ISSUE 6

JAN 2021

THE PRIMER

NAVY EOD QUARTERLY

GUIDANCE

- Tri-Service Maritime Strategy
- CNO NAVPLAN 2021

CLIPS

- What's happening in the EOD community and around the Fleet?

Contents

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Cover Photo: An explosive ordnance disposal (EOD) technician assigned to EOD Mobile Unit (EODMU) 2, conducts an inspection on a suspected chemical weapon during a chemical, biological, radiological and nuclear weapon drill at a training site. Photo by Petty Officer 1st Class John Barry. Contents Photo: Mineman 2nd Class Mat Williams, assigned to the Expeditionary Mine Countermeasure (ExMCM) Company deployed from Task Force 75, enters Apra Harbor, Guam from an MH-60S Sea Hawk helicopter, attached to the "Island Knights" of Helicopter Sea Combat Squadron 25, while conducting unmanned underwater vehicle training. Photo by Mass Communication Specialist 1st Class Adam Brock.

A MESSAGE FROM THE COMMODORES

On Jan. 12, we bid farewell to CAPT Oscar Rojas after serving as EODGRU 1's Commodore for the past two years. Through his leadership, Navy EOD units were successfully manned, trained and equipped for deployments across five Geographic Combatant Commands, providing combat-credible forces in support of Navy, Joint Force and multi-national mission requirements. CDRE Rojas' vision was instrumental in the development and release of Navy EOD's Strategic Plan, which was signed by RDML Joseph DiGuardo in October. The plan serves as Navy EOD's blueprint for the next 10 years as we look to mold our force into one that best serves America, our allies and partner nations in competing and winning in an era of Great Power Competition. CDRE Rojas, thank you for your contributions and best of luck in your next assignment as Commander, Task Force (CTF) 52.

Additionally, thank you to all EODGRU 1 and EODGRU 2 Sailors who volunteered to get the COVID-19 vaccination. Your efforts contribute greatly to the Navy's #SinkCOVID campaign, aimed at protecting our force, communities, and nation from the threat brought by this global pandemic. As the vaccine rolls out across the Fleet, everyone is highly encouraged to get theirs. Our DoD leaders have full confidence in the vaccine's safety. None of the factors that contributed to its accelerated development were due to compromised scientific or ethical integrity. By doing your part and getting vaccinated, we will reduce the burden this disease poses to high-risk populations while mitigating risk to our mission of eliminating explosive threats so the fleet and nation can fight and win whenever, wherever and however it chooses.

We urge you to read CAPT Scott Kraft's thought-provoking article to the EOD Force in this issue. He presents a compelling validation of NSWC Indian Head's value to the EOD community as its recently departed CO of four years.

Finally, a number of our Sailors achieved career milestones in the past three months. Congratulations to those who were promoted to petty officer third, second and first class. Also, B-Z to our newest Chiefs! The leadership, technical expertise, and counsel you give junior Sailors and the wardroom is the backbone of all our mission successes. The full list of advancements, EOD officer selections, and major command selections can be found in this issue.

CAPT Ken "K9" Kleinschnittger
Commander, EOD Group 1

CAPT Rick Hayes
Commander, EOD Group 2

NAVY EOD 2030 STRATEGIC PLAN

MISSION

WE ELIMINATE EXPLOSIVE THREATS SO OUR FLEET AND NATION CAN WIN - WHENEVER, WHEREVER, AND HOWEVER IT CHOOSES.

VISION

A NATION UNDETERRED BY EXPLOSIVE THREATS.

- DEVELOP THE FORCE TO WIN AGAINST NEAR-PEER COMPETITORS AND EMPOWERED NON-STATE ACTORS.
- EXPAND OUR ADVANTAGE AGAINST COMPETITORS' UNDERSEA THREATS.
- CAPITALIZE ON OUR UNIQUE ABILITY TO COUNTER WEAPONS OF MASS DESTRUCTION.
- GROW EXPERTISE IN THE EXPLOITATION OF NEXT-GENERATION WEAPONS SYSTEMS.
- EMBOLDEN ALLIES' AND PARTNERS' CAPABILITIES.

DOWNLOAD

HERE

ADVANTAGE AT SEA

PREVAILING WITH INTEGRATED ALL-DOMAIN NAVAL POWER

USCG - USN - USMC

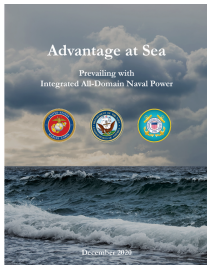
TRI-SERVICE MARITIME STRATEGY

Get Onboard!

The Tri-Service Maritime Strategy prepares the Naval Service to prevail in day-to-day competition, crisis, and conflict while we accelerate development of a modernized integrated, all-domain naval force for the future. Find it at:
https://media.defense.gov/2020/Dec/17/2002553481/-1/-1/0/TRISERVICESTRATEGY.PDF/TRISERVICESTRATEGY.PDF

- **Generating Integrated All-Domain Naval Power**
- **Strengthening Alliances and Partnership**
- **Prevailing in Day-to-Day Competition**
- **Controlling the Seas**
- **Modernizing the Future Force**

CLICK TO DOWNLOAD



CNO NAVPLAN

JANUARY 2021

This Navigation Plan charts the course for how to execute the Tri-Service Maritime Strategy. It supersedes Design 2.0 and informs annual guidance for the Program Objective Memorandum and an internal implementation framework.

It outlines the challenges we face, our unique role in meeting those challenges, and four priorities to focus our efforts:

- **Readiness**
- **Capabilities**
- **Capacity**
- **Our Sailors**

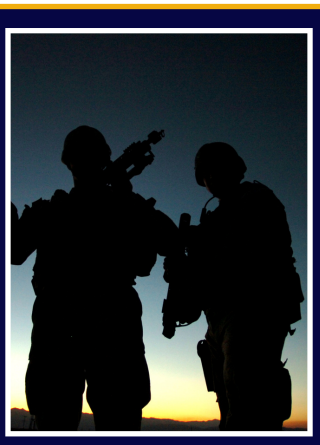
Download it HERE

There is no time to waste – our actions in this decade will set the maritime balance of power for the rest of the century.

SUPPORT TO THE JOINT FORCE

CWMD CFT homepage:
https://intelshare.intelink.sgov.gov/sites/navyeod-sof/SitePages/Home.aspx

Keep your contact information current to ensure you stay up to date on the latest activity and to close the distance between essential nodes in the organization.



Focusing on Great Power Competition and the continuum from cooperation, through competition and conflict, Navy EOD faces a challenge to design and rehearse innovative strategies and mission concepts. Community education on theater specific tasks, the anticipated threat space, emerging near-peer capabilities, and analyzing our current gaps is essential to meeting mission needs as the force of choice.

Realistic exercise design focused on anticipated threats and battlefield geography is one way we can focus on these critical questions. Conducting ExMCM in support of maritime homeland defense with heavy interagency interaction, joint exercises focusing on theater-informed problem sets, increased integration with our NSW partners for deliberate missions, and realistic CWMD training with national experts will ensure our preparedness for the future. Lessons learned from operating in these controlled but realistic environments provides essential feedback to man, train, and equip decisions and grows our capability to tackle future challenges across the competition continuum.

Navy EOD's involvement in CWMD and SOF mission areas continue to evolve and requires your input!

CONTACT STUART WHITAKER, EODGRU 2 N5, WITH ANY QUESTIONS, INPUT OR FEEDBACK YOU HAVE!
STUART.H.WHITAKER@NAVY.SMIL.MIL

SUPPORT TO THE FLEET

Expeditionary Mine Countermeasures

The Expeditionary Mine Countermeasure (ExMCM) Working Group was reorganized and rebranded as the ExMCM/Expeditionary Undersea Warfare (ExUSW) Cross-functional Team (CFT).

On Dec. 8, 2020, EODGRU 1 hosted an executive-level ExMCM-ExUSW CFT video teleconference, bringing together commodores, commanders and stakeholders from across the Navy and EOD communities.

The CFT provided updates on current and future global operations and initiatives while also highlighting significant accomplishments achieved in the past two years. Specific topics discussed included the creation of the ExMCM-ExUSW Collaboration Site (see below for details), the publishing of the ExMCM Capabilities and Concept Development Framework, the approval of a combined EODGRU 1-EODGRU 2 UUV Data Collection Requirement instruction, and the approval and implementation of the Navy EOD 2020-2030 Strategic Plan, emphasizing the need to expand our advantage against competitors' undersea threats.

Future action-officer level CFT VTCs will occur on a twice-per-quarter basis with a focus on creating increased coordination, communication, and unity of effort across the force. All are encouraged to log on to the ExMCM-ExUSW CFT INTELINK collaboration site to access the previously mentioned documents, post relevant information, and/or collaborate.

https://intelshare.intelink.sgov.gov/sites/navyeod-exmcm/SitePages/Home.aspx

Please contact Kevin Shreffler, EODGRU 1 N35, with any questions, input or feedback.

Kevin.w.shreffler1@navy.smil.mil

Achieving Our Vision:
Advantaging Provisions and Supporting Fires
View from the DoD EODT&T Deputy for EOD Technology

By CAPT Scott H. Kraft

Navy EOD Vision 2030
Most everyone knows Sir Edmund Hillary; who knows Namgyal Wangdi?

"A nation undeterred by explosive threats." That is a righteous albeit Mt. Everest-sized vision. Like I suspect you are, I am all in. If we take a moment and reflect, our aspirational just cause (appropriately) stands in stark contrast to the results of our community's survey last year which revealed that most of us didn't know our mission or vision statements, and believed that we are not at the forefront of technology. If analogously we are at Base Camp looking up, let's candidly and responsibly ask ourselves, are we clear-eyed and ready to begin our summit? Are we sufficiently acclimated? What should we portage in order to best ensure our success? Who else is in our expedition? Ought we have a Sherpa?

Are we exclusive?
***"Though I may be alone and completely isolated..."* (Navy EOD Ethos)**

Undoubtedly, our community has a rich and storied legacy. I assert we are indeed excellent in our niched expertise. For 27.5 years, I have been humbly privileged to be one among us. But I believe there is an insidious trap in our self-view. It is my experience and opinion that we tend to focus on differentiating ourselves to a fault. For the past fours years, I served as CO of NSWC Indian Head; simultaneously, I served as the Deputy for EOD Technology within the construct of Navy's executive agency for DoD EOD Technology and Training. I assert that in general, as a community, we have ignorance of and reactance to this. We don't know about it, understand it and embrace it; we simply don't advantage it. I am foremost culpable and wholly acknowledge that I could have done more, better. But, there is shared ownership in the problem just as there is in the opportunity. To overcome the status quo, we collectively have a clear and present decision.

Did you know?
"I follow in the wake of those who have served before me..." (Navy EOD Ethos)

Over two decades ago, we celebrated the movement of NAVSCOLEOD to their newly completed facilities at Eglin AFB Florida. Perhaps unwittingly at the time, it was the beginning of the end of our systemic awareness of our bespoken 'TechDiv'. Our TechDiv remains on the Stump Neck Peninsula in Indian Head, Md., where it has resided for 70+ years. While numerous name changes along the way, today's TechDiv is not the TechDiv of the past. Today, the organization is symbiotically integrated into not only the broader NSWC Indian Head Division, but also the Navy's Warfare Center – a constellation of 10 divisions with over 28,000 scientists, researchers, engineers – all charged with the responsibility to decisively advantage the Navy in any and all challenges, today and always. Your personal point of entry into this corpus of expertise, specific to EOD as well as a single degree of separation from everything else, consists of 303 civil servants, augmented by 100 additional support contractors. This includes 70 former active duty EOD technicians from all Services, with an amassed 1,115 years of active-duty EOD experience. This is all synergistically collocated on a dedicated 1,200-acre peninsula with explosive ranges, ordnance disassembly and test facilities, and over 325,000 square feet of laboratory, office, magazine, and engineering spaces.

Continued on next page.

Achieving Our Vision:

Advantaging Provisions and Supporting Fires

View from the DoD EODT&T Deputy for EOD Technology

By CAPT Scott H. Kraft

All of this is born from a prescient recommendation made long ago, on 15 October 1945 by LCDR J.P. David, OIC, U.S. Navy Bomb Disposal School and LT J.R. Ganther, OIC, U.S. Navy Mine Disposal School. That recommendation was, in part, "*...that arrangements be made as soon as is practicable to combine such training, research and intelligence activities in explosive ordnance as may be continued by Army, Navy, and Marine Corps Bomb and Mine Disposal into an Explosive Ordnance Center. This Center could provide: ...facilities for the preparing and publishing of information on foreign and allied explosive ordnance, (and)...facilities for development of disposal equipment... A Center which combined all these facilities and functions would avoid the excessive duplication which has occurred during the past four years; would increase the opportunities for close cooperation amongst activities carrying on related work; and would provide a centralized pool of knowledge, experience and ideas.*"

Now in 2020, concomitant with the release of Navy EOD Vision 2030, and the SecDef's designation of the Navy as Executive Agency for DoD EOD Technology and Training, we have an explicit duty and opportune responsibility. For our share, we have implemented significant, intentional change and have structured new relationships, mechanisms and practices to specifically focus on providing coordinated, valuable, and timely solutions to EOD technology and information needs.

<u>Over the past three years, we have developed, adopted, and/or institutionalized:</u>

- Joint EOD Strategic Plan to achieve the vision of ensuring joint forces have decisive EOD technology, training, procedures and information advantage. This has been our agency for prudent, self-directed change.
- Joint EOD Integrated Prioritized Capabilities List (IPCL) forwarded to SECNAV and driving heightened awareness and altogether different resourcing decisions.
- Regular and recurring Key Leader Engagements (KLE) with OPNAV, SECNAV, OSD and Congress.
- SOF Transition - MOA with JSOC for rapid and frequent review and acquisition/approval of SOF equipment for EOD use.
- EOD Battle Lab – Partnered concept development, war-gaming, prototyping, experimentation, demonstration and evaluation.

These efforts, alongside other initiatives, and coupled with Executive Agency responsibilities and authorities, avail and wield far greater 'punch weight' than has ever existed prior, and much more than any single Service can achieve on its own.

I believe our future, and the actualization of our Vision, will be determined by our collective awareness, understanding, and deliberate advantaging of those who stand willing, ready and able to support and enable us. I can assure you that the EODT&T Program, and the 'TechDiv' are poised to help – better than they ever have been before. If nothing else, I hope to have generated some introspection and piqued your curiosity. If I have been at all successful, you will not only have Googled Namgyal Wangdi, you will have also asked yourself and preferably, each other, and perhaps even your 'TechDiv', so what now?

EXPEDITIONARY SALVAGE

Support To The Fleet

MDSU ONE

DET EOD MDSU 1 UXO Disposal

Lt. Patrick Byers and Senior Chief Explosive Ordnance Disposal Technician Jon Erik Kristoffersen, assigned to Detachment EOD Mobile Diving and Salvage Unit (MDSU) 1, disposed of a World War II-era unexploded ordinance projectile found at Pacific Missile Range Facility, Barking Sands, Hawaii, Jan. 12, 2021.

U.S. Navy photos by Mass Communication Specialist 1st Class Erickson Magno

Supporting Expeditionary Lines of Effort

1) Fleet concepts development & integration
2) Force generation & employment
3) Industry exchange & acquisitions
4) Platform integration & training

MDSU TWO

Southern Partnership 2020

In September, divers from Mobile Diving and Salvage Company 2-5 deployed to Panama in support of SOUTHCOM and FOURTH FLEET enduring Southern Partnership Station Exercise. MDS Co 2-5 and divers from the Servicio Aeronaval de Panama (SENAN) security force conducted a salvage survey of a submerged vessel, the Isla del Rey, sunk pier side at the SENAN Naval Base in Panama City, Panama. Working in shallow depths of 15-30fsw and dealing with a 15' tide difference, the integrated team accomplished 30 dives and over 10 hours of Seabotix and high definition SONAR data collection. Additionally, MDSU divers led focused exchanges covering topics from dive medicine to diver life support equipment maintenance. The exchanges and operations helped build partner capacity and provided a full-spectrum salvage survey of the vessel, enabling planning for future salvage operations. The removal of the sunken vessel will directly support FOURTH FLEET initiatives and improve capacity of the U.S. Navy in the SOUTHCOM AOR.

Diving Equipment: Launch and Recovery Systems & Diver Augmented Visual Display

MDSU TWO continues to drive industry technology integration into fleet salvage efforts. The diver's Launch and Recovery System (LARS), commonly used in commercial applications, has proved it's worthiness in real-world salvage environments onboard multiple dynamic positioning (DP) vessels. From August to November, MDSU TWO divers trained on the LARS from the contracted vessel, M/V Shelia Bordelon. Two hundred and thirty seven dives were conducted and the LARS performed flawlessly throughout. The feedback from MDSU divers will enable the LARS to become a NAVSEA program of record in the coming months. In October, MDSU TWO and UCT hosted NAVSEA and commercial diving industry specialists to display the Diver Augmented Visual Display (DAVD) system. The DAVD and Coda Octopus Echoscope SONAR is an integrated system that uses sensors, computers, and software with the ability to send images and real-time mapping to the heads-up-display lenses installed in a KM-37 or 97. MDSU TWO has custody of these systems and will continue to provide feedback to NAVSEA to improve usability.

Supporting Expeditionary Lines of Effort

1) Fleet concepts development & integration
2) Force generation & employment
3) Industry exchange & acquisitions
4) Platform integration & training

GUIDANCE

COVID VACCINE

A MESSAGE FROM RDML DIGUARDO

The COVID-19 vaccination is the best and fastest path back to a lifestyle unencumbered by COVID restrictions.

There are three key factors I want you to consider when making your decision about receiving the COVID-19 vaccine.

1. The COVID-19 vaccine will keep us ready to win the fight and do the work we need to do in support of our forces and the Navy.
   - Receiving your vaccination protects everyone, not just you.
   - Vaccination ensures we stay healthy. Which, in turn, makes our force more resilient, effective and mission capable.
   - The vaccine is effective because the immune response it triggers makes your body more capable to fight infection.
2. The vaccine is safe.
   - The potential benefits of the vaccine when used to prevent COVID-19 outweigh the risks.
   - COVID-19 vaccines were approved by the FDA because they demonstrated they are safe and effective in large phase-three clinical trials.
   - Vaccines fight disease by producing an immune response within the body. Sometimes that means flu-like symptoms, such as aches, headache, and fever. This is normal and a sign that your body is creating antibodies to protect you from COVID-19.
   - Here are two great resources where you can educate yourself about the benefits of the vaccine and the risks of COVID-19:
     - https://www.cdc.gov/
     - https://www.usff.navy.mil/Press-Room/News-Stories/Article/2464764/benefits-of-getting-a-covid-19-vaccine/
3. It is your decision.
   - You are NOT required to receive this vaccine, but it is encouraged based on the information above.
   - It's your choice; educate yourself about the vaccine. Then make an informed decision.

Let's mitigate the COVID-19 risks in the community.
We're all in this together.

#SinkCOVID

Thank you to the San Diego-area Navy medical personnel who helped vaccinate nearly 370 servicemembers and civilians from throughout the EODGRU-1 enterprise, Jan. 8.

GUIDANCE

EOD & DIVING COMMUNITY IDENTITY

The Navy EOD & Diving community specializes in solving high-end, complex warfighting problems

- We eliminate explosive threats so our Fleet and Nation can fight and win -- whenever, wherever, and however it chooses

Three unique, operationally vital skill sets

1. Support the Fleet: Expeditionary Mine Countermeasures (ExMCM)
2. Support the Joint Force: EOD & Counter-Weapons of Mass Destruction (CWMD)
3. Support the Fleet: Deep Sea Combat Recovery and Salvage

Specialized exploitation expertise informs both

- Focus is on high-end weaponry in challenging environments that poses an existential threat, capable of upending the world order and economy - "weapons of mass effect."

- The Navy EOD & Diving community is unique due to their selection process, training, and specialized capabilities.

- **Decades long, sustained combat operations have forged Navy EOD into the world's premier EOD force**, supporting the Fleet, joint special operations, and joint conventional forces.

We effectively deny use of weapons of mass effect, conduct deep sea special applications, and ensure freedom of movement

GUIDANCE

STRIKE

The name STRIKE is derived from the lightning bolts in the EOD insignia. Not only do the lightning bolts symbolize the potential destructive power of unexploded ordnance, they most importantly symbolize the courage, professionalism, and RESILIENCE of the EOD operator. When the storm clouds roll in, STRIKE empowers the Force to overcome adversity and uncertainty. The human – our platform, sensor, and weapon system - in EOD STRIKE wields comparable power to the air wing in the Navy's Carrier Strike Group. STRIKE is not a program, it is a leadership process executed by every single member of the Force to: protect individuals and teams from debilitating stress through adaptability, recovery, and growth across the personal, social, cognitive, and physical wellness domains.

CURRENT STATUS

EODGRU 1

STRIKE is kicking off full force as we move deeper into the New Year. Advanced human performance and therapeutic equipment will be arriving to support all members of EODGRU 1. Building renovations are underway and are scheduled to be completed this year.

Learn more on the next page!

EODGRU 2

We recently hosted Adm. Christopher W. Grady, Commander, U.S. Fleet Forces Command, and Fleet Master Chief Richard O'Rawe for a visit to our STRIKE facility and meeting with our EOD technicians and divers to discuss capabilities and equipment employed by the force.

During the visit, FLTCM O' Rawe got to test out the PUSH system used by EODGRU 2 STRIKE strength and conditioning coaches use to conduct velocity based physical training for the force.

Current Status of the STRIKE Program

- Rehabilitation
  - Physical Therapy: 1341 visits
  - Athletic Training: 1072 visits
  - Rehab Team Total: 2413 visits
- Strength and Conditioning
  - Onsite contacts: 2675
  - BridgeAthletic contacts: 3095 visits

STRIKE

CURRENT STATUS

EODGRU 1

- All STRIKE facilities will have dual rehab, and strength and conditioning services. Please contact LT Derrick O'Neal if you desire services and are not enrolled.

- More than $750,000 of human performance and advanced rehab equipment was ordered for the program. Over the course of 2021 expect to see more of this equipment involved in the day-to-day operations of STRIKE.

- Bldg. 111 on Naval Amphibious Base Coronado is open and can be utilized from 6 a.m. to 4 p.m. daily with staffing. All members from any mobile unit who are registered in the program are able to use the facility. Rehab services will be offered here as well with walk-ins welcomed. We will have 24-hour access in the future.

- Located at EODTEU 1, Bldg. 54 will be online near the end of February. The facility will be open to all members who are registered in the program. Rehab services will be offered at Bldg. 54 with walk-ins welcomed.

- A partnership was established with the Naval Health Research Center to begin EOD Warrior evaluation for those enrolled in STRIKE. Metrics tested will include: upper and lower body strength, flexibility, agility, power output, force generation, overall mental resilience. As this rolls out, more info will be provided to all STRIKE participants.

- EODMU 5 Dual Physical Therapist/Certified Strength and Conditioning Specialist Dr. Halle Wilson checked in at the end of December. More to come on her role at EODMU 5 as she checks onboard.

COMMUNITY RECOGNITION

Advancements and Promotions

EODGRU2 Chief Petty Officers

MAC Atkins
NDC Baker
MNC Eatmon
EODC Feldhaus
PSC Feracho
PRC Geiger
EODC Green
EODC Haushalter
EOC Ivey
EOC Masson
EODC O'Berg
NDC O'Toole
EODC Padmore
BMC Popp
NCC Ross
MNC Surber
HMC Taylor
EODC Till
NDC Torres
LSC Whaley

EODGRU1 Chief Petty Officers

NDC Amaro
ITC Ayala
NDC Bailey
EODC Bejar
NDC Bowen
EODC Brooks
EODC Brown
EODC Bruce
EODC Brull
NDC Buttler
YNC Canalesholler
HMC Cogburn
ETC Croucher
OSC Delapena
EODC Dorris
MNC Douglas
HMC Bredenburg
EODC Gerard
EODC Gorsuch
MMC Hayes
BMC Hernandez
HMC Isgar
EMC Jackson
BUC Kaercher
EODC Kelly
GMC Klei
EODC Lucon
LSC Lustre
ETC Marton
EODC Medwedeff
ETC Olivar
EODC O'Neal
EODC Ortiz
PSC Parkes
NDC Peters
BMC Plett
EODC Schultz
ETC Shafter
EODC Sieczkarek
EODC Stabile
BMC Teruya
LSC Tong
EOC Wallace
EODC Walling
MNC Weatherford
ETC Whiteman
EODC Willey
EODC Williams

EODGRU 2 Petty Officers

EOD2 Alderman
LS2 Amaral
EOD1 Anzilottilampson
EOD1 Backes
EOD2 Bass
ND2 Benz
ND2 Billias
MN3 Bostain
MN3 Bouldenjames
YN2 Boyce
EOD1 Browne
EOD1 Bueras
EOD2 Burrows
EOD2 Carter
YN1 Cevallos
GM1 Dowe
EOD2 Emes
EOD2 Fallon
CM3 Ferguson
EOD2 Forester
ND1 Frederick
EOD2 Frost
EOD1 Garcia
MN3 Guidry
IS1 Habbe
ND2 Hawkins
ND1 Hayes
EOD2 Hendry
EOD2 Hensler
EOD1 Hoerner
EOD2 Hong
EOD1 Huebner
EOD2 Konecny
MN1 Lafave
YN3 Lee
ND2 Legge
ND2 Legge
MM3 Li
CM2 Lindsley
EOD2 Maat
EOD2 Mangosing
EM1 Mansfield
EOD2 Martin
EOD1 Marx
EOD1 Mcgary
EOD1 Mevers
EOD1 Molina
ND2 Moller
LS2 Moore
EOD2 Moore
EOD1 Moynihan
GM2 Neuberg
ND1 Noblit
EOD2 Norem
EOD1 Oskarsson
EOD1 Peters
EOD2 Platte
ND1 Powell
EOD1 Puntel
EOD1 Ragni
LS1 Ramdass
HM2 Rector
ND2 Rupart
EOD2 Seroski
EOD2 Shalala
EOD2 Shappell
EOD1 Shelton
EOD1 Shutters
EOD1 Siegal
YN3 Smith
EOD1 Steckler
EOD2 Sybrandy
EO3 Taylor
EOD2 Thompson
UT3 Versluis
ET1 Wadleigh
MN3 Wagner
EOD1 WEaver
EOD2 Whitaker
EOD2 White
EOD2 Willey
EOD2 Williams
EOD2 Wood
MN3 Yerby

EODGRU 1 Petty Officers

EOD2 Ali
EOD1 Ball
EOD1 Beltran
EOD2 Bonin
MN3 Bridle
OD2 Brown
MN3 Brumirski
EOD2 Brynell
ND2 Christie
BM1 Coyne
HT3 Darkwaaguilera
EOD2 Felton
EOD1 Finneran
YN1 Fuentes
EOD1Gahagan
EOD1 Gele
EOD1 Green
YN1 Guzman
CM2 Harrison
EOD1 Hayden
EOD2 Hekker
EOD1 Holder
EOD2 Huffman
EOD2 Jakel
EOD1 Johnston
ND1 Kallfelz
EOD1 Keneborus
EOD2 Kotlarz
EOD2 Kovach
EOD1 Larosa
ND1 Law
EOD2 Lazzeroni
EOD1 Link
MM1 Liu
MN2 Martinez
EOD2 McCord
EOD1 McKnight
EOD1 Mendozalopez
EOD2 Miller
EOD1 Morris
EOD2 Norton
EOD2 Ocampo
EOD1 Pacheco
EOD1 Patterson
EOD2 Pavlovich
EOD1 Perez
MN1 Perkins
ND1 Perry
MN3 Provines
ND1 Ptaszek
EOD2 Rice
MN2 Rimmer
MN3 Roman
EOD2 Rowley
MN1 Sanders
MM1 Santayana
YN2 Scott
EOD2 Setzer
EOD2 Shaffer
EOD2 Stimp
EOD1 Styles
ND1 Turner
MN3 Uvallebriseno
ND2 Volloldo
EOD1 Weaver
EOD2 Wittel

COMMUNITY RECOGNITION

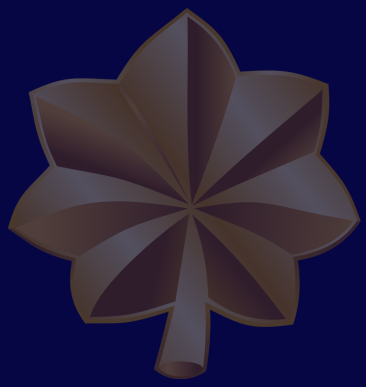
Promotions

FY-22 EOD Major Command Selects

CAPT Tim Ferracci
CAPT Karl Haywood
CAPT Jer Thompson
CAPT Geoff Townsend

EOD Lieutenant Commander

Bresson, Ryan (DTRA ABQ)
Dahl, Morgan (NSWDG)
Danner, Brendan (USNA)
Dobbins, Jonathan (CSG5)
Fekete, Kristen (CSG12/CSG2)
Gaster, Thomas (JSOC)
Grossman, Ralph (SUBDEVRON5)*
Hampton, Donald (NECC)
Heckelman, Jeffrey (JSOC)
Honan, Stephen (PEP UK)
Lovekamp, Kristopher (CSG5)
McSharry, Mark (CSG9)



Morrison, Michael (GRU1)
Ones, Christopher (MU3)
Phillips, Christopher (MU5)*
Price, Christopher (EXU1)
Rollow, Thomas (DTRA Elgin)
Sauer, Daniel (CTF-52)
Scoggins, Steven (Det Kings Bay)
Smith, Thomas (MU12)
Stoner, Nicholas (GRU1)*
Valdo, Daniel (ESG2)
Whitaker, Taylor (Det Dahlgren)

* Merit Reorder

FY-21 EOD Officer Selectees

STA-21

EOD2 Nikolaus Wendling – Columbia University

OCS

EOD2 Jessica Bobango – EODMU 3
EOD1 Nicholas Fontenot – EODTEU 2
Mr. Stephen MacLeod – Georgetown University
Mr. Maxwell Potter – UC Santa Barbara

SSMP

Winston Shen – Merchant Marine Academy

NROTC

Anna Armfield – Virginia Military Institute
Kyle Bryant – University of Virginia
John Fonseca – George Washington University
Eva Hubbard – Boston College
Zachary Lee – Virginia Polytechnic Institute
Mason Mihm – University of South Florida
Dillon Roske – Texas A&M University
Jovanna Salvador-McColly – University of San Diego
Brian Schrandt – Oregon State University
Joseph Van Lier Ribbink – Miami University (OH)
Luke Vaughters – Pennsylvania State University
Nathaniel Wang – University of Colorado

USNA

Jared Arlett
Blake Bizousky
Ian Bramblett
Daniel Butchko
Cole Cooper
Christian Daniel
Ethan Dupre
Lucas Johnson
Jack Kinnear
Josephine Korenak
Luke Moffett
Justin Newell
Tyler Parsons
Margaret Peacher
Philip Ross
Nikolas West
Kira Willard

GUIDANCE

Mental Health

Risk Factors

- Loss or change in relationship
- Problematic alcohol use
- Exposure to trauma
- Mental health history
- Traumatic brain injury
- Health status changes
- Financial loss or strain
- Impulsivity
- Disciplinary action / legal issues
- Medical issues/chronic pain
- Stigma re: help seeking
- Impending retirement
- Access to lethal means

Warning Signs

- Hopelessness, no hope for the future
- Reactionary/Emotional outbursts
- Extreme mood swings or changes
- Irritability, rage
- Increased alcohol use
- Poor sleep hygiene
- Social isolation
- Anxiety, agitation, depression
- Talking about wanting to die or kill themselves
- Preoccupation with death or dying
- Saying goodbye to loved ones
- Giving away prized possessions
- Reckless behavior

REACH OUT FOR HELP!

East Coast: Dr. Alex Dryden

757-642-7069

757-406-3611

West Coast: CDR Kaarin Coe

619-437-9604

National Suicide Prevention Lifeline

1-800-273-8255, Press 1

Call 911, your IDC or your command's medical professional

Navy EOD

Adaption, Insight, Coaching (AIC) Model

For More Info Contact: Valerie Keogh, LCSW: (619) 806-6679

Navy EODGRU 1 developed a novel approach for enhancing a servicemember's character under the Leadership Continuum Program. This program was created by Valerie Keogh, LCSW, and LT Jennifer Williams, LCSW, and is currently being utilized by the Navy EOD force. It begins with boot camp selection and is applied all the way through senior leadership selection. This approach utilizes the Adaption, Insight, Coaching (AIC) model, which was developed by Keogh and Williams, who are two Embedded Psychological Health Team Clinicians for Navy EOD. The AIC model combines four different personality assessments, utilized at different levels of a servicemember's career to develop leadership, interpersonal and communication skills.

While working together at EODGRU 1, Keogh and Williams studied the environment and culture at EODGRU 1. Under the Leadership Continuum, they created the AIC model for character development. AIC allows for servicemembers to gain insight and adaption during different levels in their careers to cultivate success and grow the mission of EOD. This is the first time these 4 assessments, and the related coaching feedback, have been used in this manner. Keogh and Williams discovered that the potential is limitless by helping people overcome challenges as individuals and improving the functioning of an organization.

All matters are approached with an unbiased, outside coaching perspective to help people adapt and increase productivity in the environment they currently operate. Teaching and coaching insight, not only about an individual, but also about the environment in which individuals at all levels want to excel, helps to increase productivity, morale, and overall group cohesion. By combining and utilizing 4 specific types of assessments that are established and validated behavioral and psychological testing methodologies, we can help our Sailors to clearly identify individual strengths and limitations. The AIC model can establish development plans to enhance individual performance, and we can coach individuals to grow and improve. Furthermore, by sharing acquired data within teams, and by coaching those teams, overall unit performance and mission effectiveness can greatly be improved.

AIC Model: Training Development Model

The AIC model integrates four different assessment for multiple needs of an organization to develop the individual and the culture of the organization through insight and coaching and is a training development model. Keogh and Williams are certified coaches in EQi, DiSC, Gallup Strengths and Hogan Assessments. This qualifies them to administer these assessments and compile the results to provide the individual and team coaching, across different levels of Navy EOD to improve culture, communication, insight and adaptability. By combining these 4 assessments in this facet allows for continued growth and addresses the needs of the different levels of Navy EOD versus a one-size-fits-all approach with just one assessment. The AIC model utilizes pre and post measures both for individual and team coaching to show improvements in insight and culture amongst the organization.

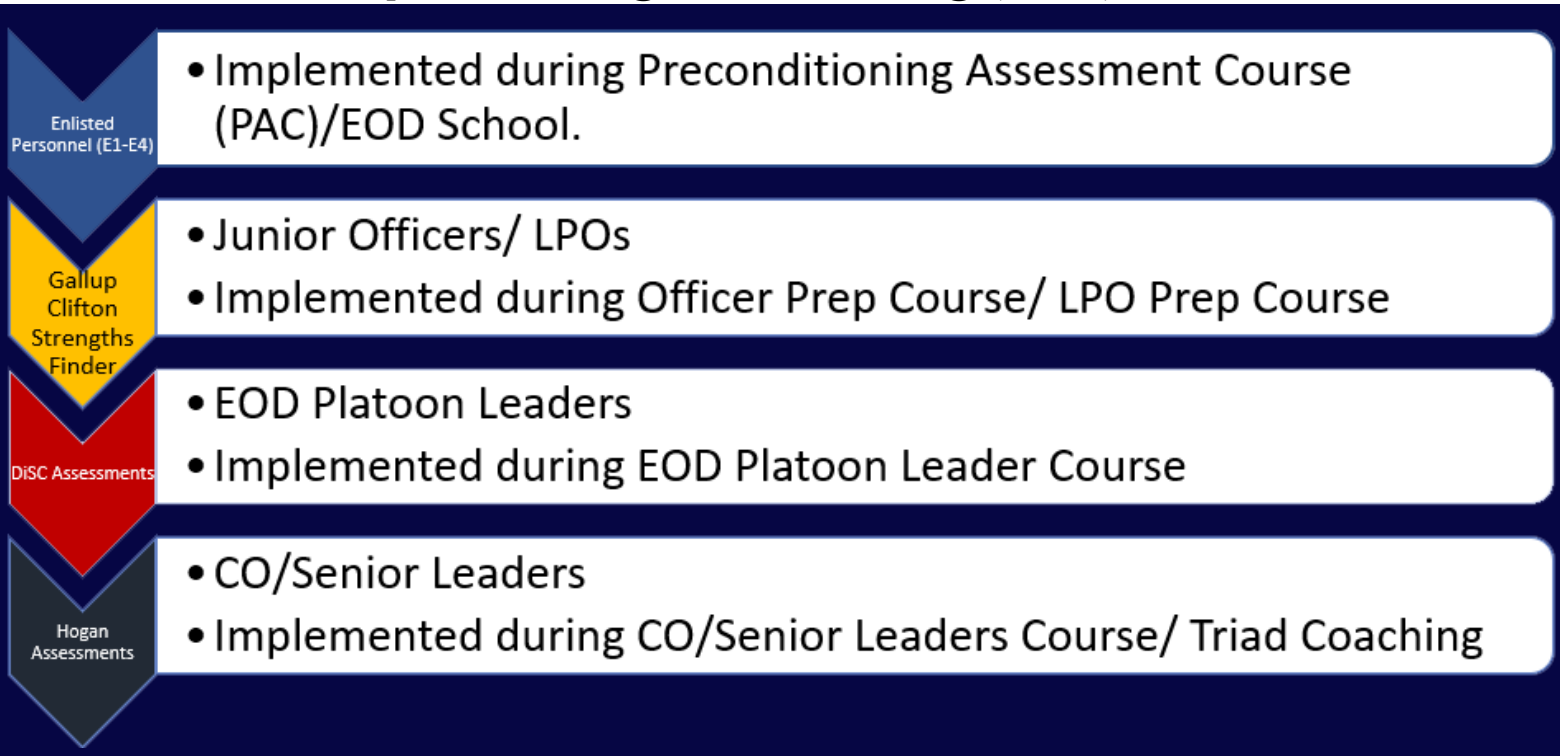
EQi 2.0 – Enlisted Personnel (E1-E4): Implemented during Preconditioning Assessment Course (PAC)/EOD School

By utilizing the EQi 2.0, we allow our forces the opportunity to begin exploring factors that are related to success in life, helping them understand why some people do well in life while others struggle. Emotional Intelligence is a cross section of emotional and social competencies that determine how well we understand and express ourselves, understand and relate to others, and cope with daily demands and pressures. This assessment allows our servicemembers the opportunity to begin taking inventory of their emotional and social skills, and to identify the strengths and weaknesses of their EQi, which is the first step towards personal and character growth.

When utilizing the EQi 2.0 at basic training, a peer ranking excerpt allows for feedback in a standardized form from peers based on the EQi 2.0. The scores are compared in the peer ranking to those in the EQi 2.0 to allow for further growth amongst the individuals at boot camp. The peer ranking excerpt also allows for the cadre at boot camp and dive school to understand areas that need to be strengthened and to enhance the character development of these servicemembers.

Navy EOD

Adaption, Insight, Coaching (AIC) Model



Gallup Clifton Strengths Finder (JOs and LPOs): Implemented during Officer Prep Course and LPO Course

The Clifton Strengths Assessment allows officers, the ability to more closely examine their unique strengths based on 34 themes. These themes explain a simple but profound element in human behavior: what's right with people. Individually each theme gives you a way to describe what you naturally do best or what you might need help from others to accomplish. Junior officers will have to heavily rely on skills that allow them to effectively communicate, collaborate, build relationships, negotiate and persuade. By understanding strengths through the Clifton Strengths perspective, it allows you to bring your best self to your leadership role as a junior officer and learn how to use your strengths to thrive in this leadership capacity.

DiSC Assessments (EOD Platoon Leaders): Implemented during EOD Platoon Leader Course

DiSC is a behavior assessment tool that allows for character development to increase a person's self-knowledge concerning how they respond to conflict, on what motivates them, in understanding what causes them stress, and on how they typically solve problems. Utilizing the DiSC assessment gives a person more insight into how to improve working relationships. By understanding the DiSC model of an individual's behavioral differences and tendencies will allow leaders at this character development phase the ability to recognize the communication needs of their team members and subordinates by being able to adapt to their differences. This ability to adapt will increase their ability to mentor and develop their subordinates.

Hogan Assessment (COs and Senior Leaders): Implemented during CO and Senor Leaders Course

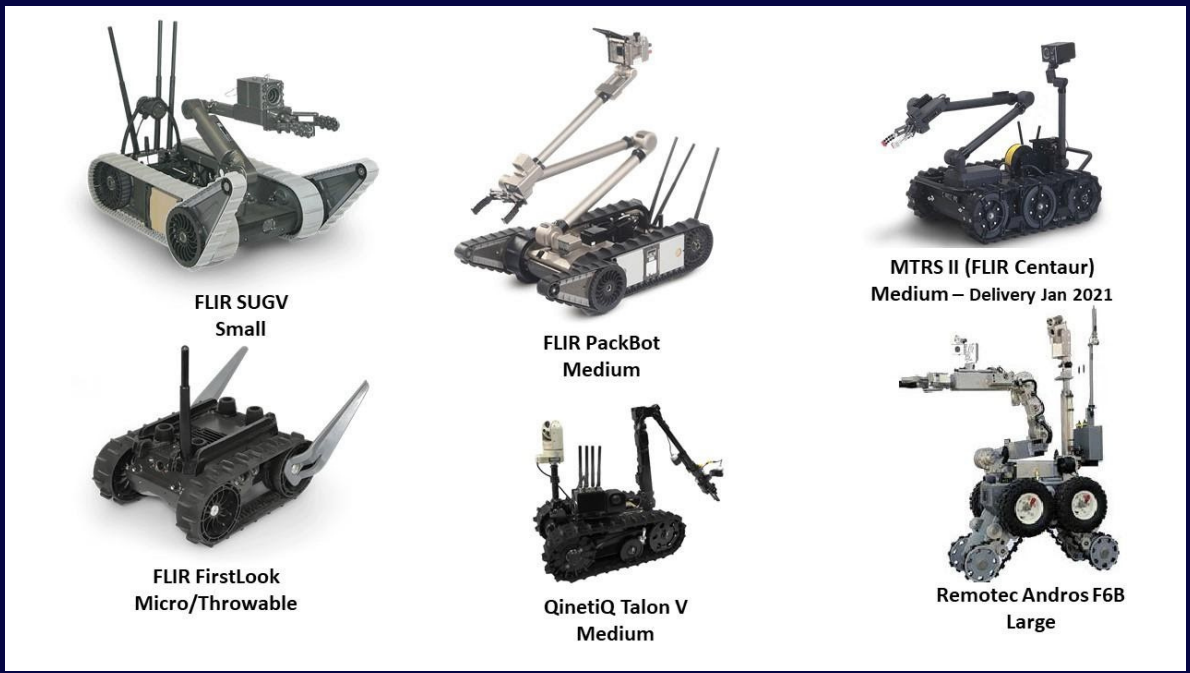
The Hogan Assessment is a tool that allows leaders to see themselves from the observers view. An individual's reputation is defined in terms of characteristics. Characteristics reflect how an individual's behavior is evaluated after repeated interaction with others and can be used to predict behavior in new situations and used to predict performance. During this time, triad coaching is also provided to incoming triad members. This allows for coaching at the triad level to provide understanding of individuals capabilities of themselves and of each other to enhance their triad leadership approach within the organization, to improve their ability to maintain a healthy culture and build and maintain relationships amongst each other.

EXPLOSIVE ORDNANCE DISPOSAL ROBOTS UPDATE

From EODGRU 2 Requirements Department

Efforts to increase capability and combat effectiveness are constantly ongoing within the EOD community. The ability to be effective remotely as EOD Technicians is a staple for safe execution of EOD operations. Our ground robotics platforms continue to evolve as Program Manager Ships (PMS) 408 has solicited robotics industry leaders for expansion of our current Family of Systems (FoS) to include a micro platform that can execute hasty reconnaissance in confined spaces or denied environments encountered during combat operations. Testing is slated to begin 2nd quarter 2021 to develop a FoS that consist of micro, small, medium, and large robotics platforms that provide the EOD operator with options that better suit the tactical situation.

The testing will also develop the use of mesh networks across the platforms enabling parked robots to serve as repeaters to extend the operational range of any robot actively employed to conduct EOD procedures. Additionally, the network will enable seamless handoff between platforms from one common Operator Control Unit (OCU), as well as provide assay of the operation through individual Expeditionary Tactical Assault Kit (ETAK) end user devices. More to follow!

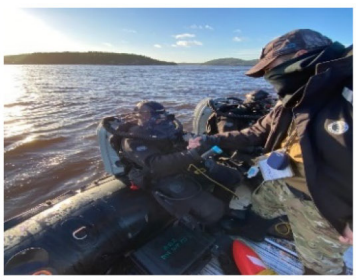


COMMUNITY RECOGNITION

EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT EIGHT

COMMANDING OFFICER	EXECUTIVE OFFICER	COMMAND MASTER CHIEF
CDR STEVE DUBA	LCDR DAN NESMITH	CMDCM BEN SMITH

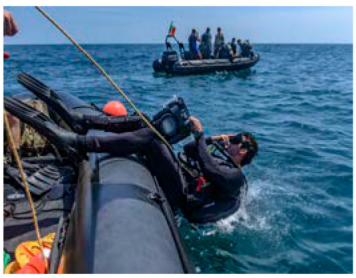
COMMAND IN THE SPOTLIGHT



EOD Mobile Unit EIGHT (EODMU EIGHT), Home of the Thunderstealers, was established in 1991 in Sigonella, Italy, and immediately provided support to NATO during Operations JOINT ENDEAVOR and JOINT GUARD in the Balkans with the Army's 1st Infantry Division and during COMSIXTHFLT operations in the Adriatic and Black Sea onboard USS LA SALLE. During this timeframe, EODMU EIGHT deployed EOD Detachments in support of Special Operations Command EUROPE (SOCEUR) contingency operations and conducted its first EOD and humanitarian demining missions in Africa. During the 1990s, the command was awarded the Meritorious Unit Commendation and the Navy Unit Commendation for its support to NATO.

After the attacks of September 2001, EODMU EIGHT's scope of responsibility increased significantly. The Thunderstealers were among the first U.S. forces deployed to Afghanistan with Special Operations Command CENTRAL, with platoons simultaneously deployed to Yemen, Qatar, and Djibouti. The Mobile Unit continued to operate with SOCEUR forces in Albania and Chad, clearing several thousand land mines and explosive remnants of war between 2002 and 2003. They earned a second Navy Unit Commendation for performance during OIF, JOINT FORGE, and DETERMINED RESPONSE. EODMU EIGHT Platoons went on to support OIF in the realm of Underwater Mine Countermeasures (UMCM), maritime interdiction, and crisis response operations while engaged in combat with CJTF TROY (Iraq) and PALADIN (Afghanistan). In 2011, the command completed its homeport shift to Naval Station Rota, Spain, and continued to support OIF/OEF, conducting 221 combat missions in 2012.

Today, the Thunderstealers are actively engaged throughout EUCOM and AFRICOM as a forward-deployed Task Group under Task Force SIX EIGHT, conducting a wide range of NATO MCM, Theater Security Cooperation, Humanitarian Mine Action, Anti-Terrorism/Force Protection, Mountain and Arctic Warfare, and Theater Special Operations Command contingency operations. In 2021, the Thunderstealers will deploy in support of Standing NATO MCM Group ONE and TWO in the Baltic and Mediterranean, NATO arctic warfare operations in the High North, CJTF Horn of Africa, and Special Operations Commands EUROPE and AFRICA. The Thunderstealers stand on a proud heritage of combat credibility, quiet professionalism, and mission accomplishment…anywhere, anytime!



THUNDERSTEALERS DON'T QUIT!

COMMUNITY RECOGNITION

EOD IN-RESIDENT GRADUATE EDUCATION PROGRAMS

		School	Degree	Thesis/ Focus
NPS	LCDR Jonathan Bach	Naval Postgraduate	Computer Science	Machine and Deep Learning
	LT Ryan Donofrio	Naval Postgraduate	Defense Analysis	EOD employment within PACOM
JUNIOR WAR COLLEGE	LT David Haney	Army Command and General Staff Officer	Military Studies	
	CDR John Donohue	Marine Corps War College		
SENIOR WAR COLLEGE	CAPT Mike Tollison	National Defense University	National Security and Strategic Studies	CWMD
	CDR Jonathan Puglia	Naval War College		Advanced Strategic Studies
	CDR Zach Sheetz	Naval War College	National Security and Strategic Studies	Special Operations
FSEP	LT Scott Maxfield	Georgetown	Science in Foreign Service	
	LT Drew Geiger	University of Texas	Systems and Design Management	
	LT Andrew Heckel	Old Dominion University	Engineering Management	
	LT Ben Lewis	Georgetown	Security Studies Program	Technology and Security
	LT Drew Visintin	University of Texas	Business Administration	Strategy, Innovation & Finance
	LT William Quadrino	University of Pennsylvania	Business Administration	Real Estate, Economics and Finance
IGEP	ENS Christian Hoffman	University of York	Science in Chemistry	
SOCOM	EODCS William Sangster	M.I.T.	Business Administration	

If you would like to contact personnel listed above to discuss their area of study, please contact the EOD OCM or Detailer for contact information.

BASIC MEDIA ENGAGEMENT TIPS

Accurate, truthful, and timely communication increases the credibility and transparency of our organization and enhances the legitimacy of our operations.

AN EFFECTIVE RESPONSE INCLUDES AN ANSWER TO THE QUESTION AND A MESSAGE. FOR EXAMPLE:

Q: Why is Navy diving still relevant with the advances in unmanned underwater systems?
A: Unmanned underwater technology is important, and we employ it in many of our missions when it is safe and practical. However, there is no comparison to our incredibly skilled divers and EOD operators solving problems underwater.

IF YOU ARE ASKED A QUESTION OUTSIDE OF YOUR LANE, BRIDGE BACK TO THE TOPIC AT HAND. FOR EXAMPLE (TOPIC: EOD SHORE DET RESPONSE):

Q: Why does the Navy insist on dropping ordnance off the coast, knowing that it will put people in danger?
A: I can't speak on all the training the Navy does, but I can say Navy EOD operators are incredibly skilled and will handle any ordnance washed ashore in a safe and responsible manner when required.

HAVE INPUT FOR THE NEXT PRIMER?
QUESTIONS?
CONTACT YOUR PUBLIC AFFAIRS OFFICER!

LT John Mike
john.j.mike2@navy.mil
o: 619-437-3644
c: 619-756-3915

LT Mary Smith
mary.e.smith1@navy.mil
o: 757-917-6780
c: 757-663-8420

EMBRACING UNDERSEAS ROBOTS: A US STRATEGY TO MAINTAIN UNDERSEAS SUPERIORITY IN AN AGE OF UNMANNED SYSTEMS

By Cmdr. Erich C. Frandrup, Commanding Officer,
Naval Diving and Salvage Training Center

Below is the Executive Summary from the above named article. The article can be found in its entirety here: https://www.atlanticcouncil.org/wp-content/uploads/2020/10/Embracing-Undersea-Robots.pdf

The United States Navy currently enjoys "undersea superiority." In other words, and slightly altering the doctrinal definition of "maritime superiority," the United States military has a degree of dominance over any other opposing force within the undersea domain which permits US undersea forces (and its related surface, land, and air forces) to conduct undersea operations at a given time and place without prohibitive interference by the opposing force. This is a considerable advantage, and one that is largely due to the strength, versatility, and vastness of the US submarine force. In an age of emerging technologies with increased development and use of unmanned systems, this strategy maps out how the United States will maintain undersea superiority against its competitors.

There are four major elements to this strategy. First, developing foresight on both the promise that Unmanned Undersea Vehicles (UUV) possess and the threats that they pose within the undersea domain is critical. Second, there needs to be a transition to manned/unmanned system joint operating concepts. This paper provides a "deep-dive" on two potential operating concepts pertaining to mine warfare. Third, the capabilities required within these operating concepts need to be developed smartly and comprehensively. Fourth, opportunities to engage US partners and allies with unmanned systems should be considered, even
outside the bounds of military purposes.

Finally, concerning this strategy's implementation, this paper argues that developing offensive capabilities should be prioritized over defensive capabilities, that existing technologies both within industry and within the military should be leveraged, and that a "crawl-walk-run" approach to fully operationalizing the concepts is essential.

THE STRATEGIC POTENTIAL OF COLLECTED EXPLOITABLE MATERIAL

By Michael R. Fenzel with Leslie Slootmaker and R. Kim Cragin

Below is an excerpt from the above named article. The article can be found in its entirety here: https://ndupress.ndu.edu/Portals/68/Documents/jfq/jfq-99/jfq-99.pdf

In November of 2007, I was commanding an infantry battalion in the Eastern Paktika Province of Afghanistan. One of our convoys was hit by an improvised explosive device (IED) on a routine mission in the border distric of Bermel, just a few short miles from Pakistan. A brilliant young troop commander (Captain David Boris, USA, age 30) and his dependable and tough driver (Sergeant Adrian Hike, USA, age 26) were killed in the explosion.

A few questions came to mind as I struggled with the loss. Who had built and placed the IED? How could I exact justice? What actions could I take to prevent a recurrence? This is the timeless dilemma of every commander in combat. It is personal. It does not matter that the attack occurred in a time of war. It is of no consolation to understand "the enemy has a vote." Thirteen years later, as I reflect back, it was this searing event and my talented staff's response that taught me the value of collected exploitable material (CEM).

After the Bermel attack, an explosive ordnance disposal (EOD) team conducted a postblast analysis of the site and found what would prove to be critical CEM. Specifically, the EOD team collected a pressure plate with metal soup can lids and wire taped together at one end. The team also recovered fragments of a battery pack wrapped in goat hair. Biometrics (fingerprints) were lifted from the tape. In addition to the EOD team, I had a retired Federal Bureau of Investigation (FBI) agent serving on my staff. He informed me that the same fingerprints had been discovered at the site of four other IED attacks. He explained how the distinctive configuration of these IEDs was the "signature" of a single bombmaker. If we could locate him, then we would have the person responsible for killing Captain Boris and Sergeant Hike.

Five months later, a local goat herder told us that bombs were being made in a qalat (a fortified place) in Bermel. A combined Afghan army and coalition team searched the dwelling and found The same distinctive bombmaking materials.

The bombmaker and his fellow insurgents were detained, taken to prison in Kabul, and, based on evidence derived from the CEM, convicted of terrorism charges under Afghan law. We subsequently saw an immediate and dramatic reduction in IED activity in Bermel.

This story is not uncommon. The Armed Forces often acquire large quantities of CEM in the midst of operations. Even now, we hold over 300 terabytes of CEM gathered from across the globe. It has become common practice for ground force commanders to use CEM as they "find, fix, finish" violent extremist organizations (VEOs) on the battlefield. Less frequently, and outside of conflict zones, law enforcement authorities have used CEM in criminal proceedings against a wide variety of illicit actors. CEM has proved useful in securing longer prison sentences for convicted terrorists and persuading countries to extradite terrorists to the United States. Yet CEM has its challenges. Transfers or "warm handoffs" between the U.S. military, law enforcement, and other government agencies have been inefficient and cumbersome. The Armed Forces also have struggled to get these materials to our allies and partners in a usable format and timely manner.

NAVY EOD LAYS OUT STRATEGIC PLAN FOR MODERNIZING DOMAIN AWARENESS, FORCE PROTECTION AGAINST PEER THREAT

By Megan Eckstein, USNI News

The Navy explosive ordnance disposal community is beginning to implement a strategic plan meant to modernize the force for the next decade of fighting in a complex world marked by great power competition. Rear Adm. Joseph DiGuardo, the commander of Navy Expeditionary Combat Command, recently signed off on the Navy EOD Strategic Plan 2020-2030, which keeps Navy EOD's main roles – clearing hazards and securing an area for a naval force to enter, building battlespace awareness to detect threats during operations, and protecting the space until the force is ready to move on – but seeks to modernize the gear and the tactics to keep up with peer and near-peer threats.

"In today's environment of great power competition, Navy EOD needs to continue to evolve to support the fleet and the joint force in daily competition against peer and near-peer nation states," Capt. Oscar Rojas, the commodore of EOD Group 1 in San Diego, told reporters during an Oct. 22 media roundtable.

The plan has five strategic objectives, he said: develop a force to win against near peer competitors and non-state actors; expand the Navy EOD advantage against competitors' undersea threats; capitalize on Navy EOD's unique ability to counter weapons of mass destruction; grow Navy EOD's expertise in exploitation of next-generation weapons systems; and embolden allies and partner nations' capabilities.

These main objectives come together in a way that takes Navy EOD's current missions and tools and helps propel them forward.

For example, the EOD force already uses unmanned underwater vehicles to search the undersea for potential threats – and help identify and examine anything that's found – as well as build domain awareness for the incoming naval force. Going forward, according to the strategic plan, that could include the UUVs penetrating enemy networks and incorporating cyber warfare.

"Navy EOD will develop and employ unmanned systems (UxS) with communications relay and transmission capabilities that insert themselves into enemy networks, not to destroy individual network nodes, but to discover, probe, map, and manipulate the adversary network," the plan reads.

"The information obtained will be transmitted to friendly forces who can mount more sophisticated cyberattacks on those networks in order to disrupt, delay, or destroy the WMD or conventional weapon pathways."

Last November, the Navy EOD community released a 2030 strategic vision, which laid the groundwork for this new plan. Since that time, a group of junior officers and senior enlisted sailors have been working on writing the 36-page plan, which Rojas said will now enter the operationalization phase.

Last year, when rolling out the new strategic vision document, Rojas and his East Coast counterpart, Capt. Rick Hayes, the commodore of EOD Group 2 in Virginia Beach, said that lessons learned from nearly two decades of ground wars had informed their ideas of how to conduct complex maritime operations with a peer adversary. For example, rather than trying to clear an entire area in Iraq and Afghanistan of roadside bombs, EOD units instead cleared a single route through the area to quickly get troops past the danger and to their objectives. In the maritime realm, the same could be done, abandoning the old model of "mowing the lawn" and ensuring an entire waterway is clear of mines, and instead focusing on creating a safe lane for ships or landing vessels to sail through to get sailors and Marines to their objective.

To read the full article, please visit *https://news.usni.org/2020/10/23/navy-eod-lays-out-strategic-plan-for-modernizing-domain-awareness-force-protection-against-peer-threat*

SUPSALV DEMONSTRATES TWO NEW TECHNOLOGIES

From Capt. Thomas P. Murphy, Supervisor of Diving, Naval Sea Systems Command

NAVSEA's Supervisor of Salvage and Diving (SUPSALV/00C) demonstrated two new and innovative technologies at the Washington Navy Yard, Dec. 8-9.The systems, the Diver Augmented Vision Display (DAVD) and the Multiple Occupant Flexible Recompression Chamber (MOFRC), will improve safety and expand the Navy diver's capabilities.

DAVD

The DAVD system provides enhanced situational awareness and efficiency for divers, particularly in limited visibility conditions. DAVD incorporates a transparent heads-up display (HUD) technology readily adapted to current U.S. Navy Diving Helmets. The system utilizes sonar and high-resolution optical display technology to provide high-resolution data and imagery to the diver.

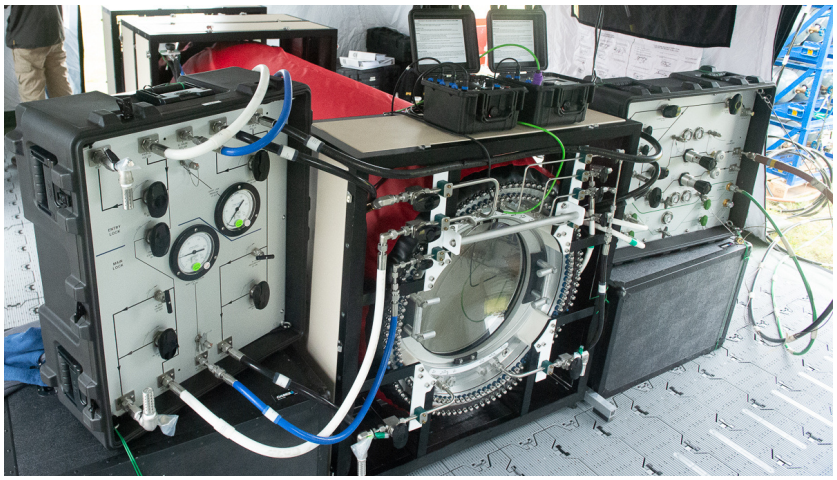
"With the DAVD system, our divers can safely and effectively work underwater in low and no visibility conditions with the assistance of high-resolution imagery provided by integrated sonar systems and technical data sources." said SUPSALV's Commander Capt. Jay Young.

The DAVD system also includes two-way communication and the ability to transfer digital information to the HUD. The DAVD is being developed and fielded through generational updates as technology advances and will allow:

- In-helmet viewing of photographs and SONAR snippets
- Real time display of critical data to include azimuth heading, current depth, max depth, breathing gas remaining, bottom time and time elapsed
- High resolution SONAR imagery of the surrounding arealmagery-assisted underwater navigation and obstacle avoidance
- 1st and 3rd person viewing capability utilizing the CODA Octopus 3D SONAR
- Three dimensional augmentation and mixed reality displays in low visibility conditions

"DAVD is a game changer. It allows us to safely and efficiently get to and from a project and maximizes productivity during bottom time," said Master Chief Master Diver Joshua Dumke. "This system coming from generation one to generation two is almost limitless with what we can do. It is not just a salvage and diving or ship's husbandry device, but it has applications for other missions including underwater explosive ordnance disposal, naval special operations and shipboard firefighting."

The Naval Surface Warfare Center Panama City Division (NSWC Panama City) initially developed the DAVD system in concert with Navy and Industry partners. Through an Office of Naval Research (ONR), SUPSALV and OPNAV N97 Technology Transition Agreement and Future Navy Capability designator, the program will work to develop a generation 2 and 3 capabilities in Fiscal Years (FY) 2020-2023.



MORFC

The MOFRC is a lightweight, highly mobile recompression system that will accommodate two divers and one tender."MOFRC gives us another tool for the expeditionary forces in a lighter recompression package that is easier to move around in theater," said Master Chief Master Diver John Hopkins. "The current budget has us acquiring six low-rate production models with first one being delivered next year."

The MOFRC displayed at the Navy Yard was a prototype model. According to Hopkins, the chamber fits into six containers, with the heaviest container being 470 lbs. The total system is approximately 1,000 pounds less that the lightest recompression chamber currently in service. MOFRC is can be transported over land, by sea or via commercial and military aircraft on a single standard aircraft cargo pallet, which reduces the current load plan by 50 percent.

"It gets down to having our own mobile recompression chamber. This is a system monitored by our own U.S. Navy personnel. With MOFRC, we have greater flexibility to bring our own chamber to whatever theater we are working in and use Navy certified-equipment, personnel, and treatment protocols. It short, it makes us self-sufficient even in the most remote areas we work. " said Capt. Thomas Murphy, Supervisor of Diving (00C3B). "DAVD and MOFRC are great examples of how we have used ONR funds to successfully transition new, game-changing, technologies through development and into acquisition," said SUPSALV's Director of Ocean Engineering Michael Dean. "The costs associated with the design and fielding are not huge, but the impact on our ability to expand our capabilities is enormous," concluded Dean.

HANDOVER OF DONATED EQUIPMENT OF THE US ARMED FORCES TO THE CROATIAN NAVY

From The Croatian Ministry of Defense

This article was translated from Croatian and may contain grammatical or spelling errors

In the barracks "Admiral of the Fleet Sveto Letica - Barba" Split on Wednesday, December 16, 2020, the handover of equipment for training and operation of mine divers, which was donated to the Croatian Navy by the US Navy.

It is a valuable donation that is a continuation of bilateral cooperation with the US Armed Forces and which aims to develop the mine action capabilities of the HRM.

The ceremonial handover of equipment was organized as part of a joint training of members of the Mine Action Squadron of the Croatian Navy and the team from the US Navy for Europe, which is currently being conducted in the barracks "Admiral Fleet Sveto Letica - Barba". The donation of equipment was attended by Commodore Damir Dojkić, Chief of Staff - Deputy Commander of the Croatian Navy and Brigadier General Matthew Denny, US military envoy to the Republic of Croatia and associates.

Commodore Damir Dojkić thanked the US military envoy for his support so far provided by the US RM to the Croatian Navy. He went on to point out that this significant equipment will also improve the training process, contribute to the development of mine action capabilities and ultimately strengthen the interoperability of HRM.During the handover, a demonstration of the use of equipment was carried out in the port of Poljud by members of the Croatian Navy and the US Navy.

As part of the implementation of this activity, a meeting was organized at the HRM Command to discuss forms of future bilateral cooperation, and the US Armed Forces delegation had the opportunity to visit the ship OOB-31 "OMIŠ" and get acquainted with its tactical and technical opportunities.

Explosive Ordnance Disposal Mobile Unit 12 participated in the equipment handover with the Croatian navy.

United States Government donated $280,000 worth of mine countermeasure and explosive ordnance disposal equipment to the Croatian Navy

EXU-1 RECEIVES NAVY UNIT COMMENDATION FROM SECRETARY OF THE NAVY

By NSWC Indian Head Division Public Affairs

Expeditionary Exploitation Unit 1 (EXU-1) personnel are widely regarded as the Navy's premier mobile explosive ordnance disposal expeditionary and technical exploitation unit. With the reception of the Navy Unit Commendation (NUC) from the Secretary of the Navy, Dec. 15, they can now say they have it in writing.

"I'm incredibly proud of the EXU-1 team and thankful for the recognition that this award provides to the command," EXU-1 Commanding Officer Edgar Britt said. "We are a small unit and our people work hard in a challenging mission with high tempo and limited resources. For years, our team has provided an outsized contribution to the fleet and joint force and this award is an acknowledgement of that. We gratefully accept and will drive on towards new challenges."

EXU-1 is an operationally deployable Type II, Echelon V command aligned under Naval Surface Warfare Center Indian Head Division (NSWC IHD). EXU-1 hosts a variety of platoons designed to collect, process, exploit and analyze improvised and conventional explosive ordnance, explosive hazards and other related components on land and sea to provide real-time targeting information and intelligence to explosive ordnance disposal (EOD) forces.

From January 2016 through May 2019, EXU-1 personnel demonstrated unparalleled success in providing expeditionary technical exploitation services to joint and naval forces in the U.S. Central Command, U.S. Africa Command, and U.S. Pacific Command Areas of Operation. EXU-1 exploited first-seen ordnance; identified new threat streams related to commercial technologies used in improvised weapons; provided national-level decision makers with verifiable identification of captured ordnance and improvised weapon systems; and conducted biometric, document and media exploitation to identify terrorist networks, individual bomb makers, and resource facilitators. During this period, EXU-1 also developed and exercised policy, doctrine, and tactics to advanced joint and naval technical exploitation capabilities.

The NUC states these efforts were successful due to the "extraordinary efforts of a small team of highly trained exploitation specialists, intelligence analysts, electronics technicians, logisticians and administrators who provided advanced technical capabilities and essential reach back support to forward-deployed units. By their truly distinctive accomplishments, unrelenting perseverance and unfailing devotion to duty, the officers, enlisted and civilian personnel of EXU-1 reflected great credit upon themselves and upheld the highest traditions of the U.S. naval service."

"EXU-1 was commissioned in June 2018 as an Echelon V Command reporting to NSWC IHD Commanding Officer Capt. Scott Kraft, who serves as the Immediate Superior in Command to EXU-1.

"EXU-1 are experts in their field and their forward-deployed capabilities are a unique asset to the joint warfighter," Kraft said. "I am proud of their accomplishments and this commendation reaffirms what our warfighters already know: they truly are the best in the business."

EODGRU-1 HOLDS CHANGE OF COMMAND

By Lt. John Mike, EODGRU1 Public Affairs

Explosive Ordnance Disposal Group (EODGRU) 1 welcomed its newest leader during a change-of-command ceremony at Naval Amphibious Base Coronado, Calif., Jan. 12.

Capt. Ken Kleinschnittger relieved Capt. Oscar Rojas in front of essential personnel and a virtual crowd of family, friends and service members watching on social media to support the Department of Defense's proactive approach in combating the spread of COVID-19.

Rojas said the opportunity to serve as EODGRU-1's commodore is the highlight of his career and was made possible by the efforts of all its personnel.

"None of us achieve success in isolation, and the successes EODGRU-1 enjoyed over the past two years has been the result of our mutual cooperation, collaboration and respect for one another," said Rojas.

Rojas also used his remarks to honor the Navy EOD operators who have fallen in the line of duty.

"The names listed on the memorial behind me is a sobering reminder of the cost of freedom we enjoy in our great country," said Rojas, who is transferring to Bahrain to lead Commander, Task Force (CTF) 52.

Commander, Navy Expeditionary Combat Command (NECC) Rear Adm. Joe DiGuardo Jr. used his keynote address to stress the important role Navy EOD played in the Pacific during World War II and how EODGRU-1 continues to build on that legacy by supporting the fleet and joint force in maintaining a free and open Indo-Pacific.

"Today the warriors of [EODGRU-1] are executing missions across the globe, but specifically in the Pacific where they compete against our great power adversaries," said DiGuardo, while also thanking Rojas for his commitment to the nation and Navy throughout his more than 30-year naval career.

"This great experiment that was started by our forefathers has inspired generations around the world to desire the freedoms we have that can be summed up and represented by Capt. Rojas and his family," said DiGuardo.

In his first address as commodore, Kleinschnittger said he was honored to be a part of the EODGRU-1 team and thanked Rojas for his commitment as commodore over the past two years.

"I give you my word that I will do everything I can to lead and care for the people at EODGRU-1 for you," said Kleinschnittger.

Operating from Naval Amphibious Base Coronado, EODGRU-1 oversees the manning, training and equipping of EOD Mobile Units 1, 3, 5 and 11; Mobile Diving and Salvage Unit 1; EOD Expeditionary Support Unit 1; and EOD Training and Evaluation Unit 1. EODGRU-1 is also capable of deploying as a battalion level staff to command task forces in theater.

EODGRU-1 is a critical part of the Navy Expeditionary Combat Force (NECF) that clears explosive hazards to provide access to denied areas; secures the undersea domain for complete freedom of maneuver; builds and fosters relationships with a constellation of capable and trusted partners; and protects the homeland and American way of life.

EODTEU-1 HOLDS CHANGE OF COMMAND

By Lt. John Mike, EODGRU1 Public Affairs

Explosive Ordnance Disposal Training and Evaluation Unit (EODTEU) 1 welcomed its newest leader during a change-of-command ceremony onboard Naval Base Point Loma, Dec. 15.

Cmdr. Michael Minukas relieved Cmdr. David Blauser in front of essential personnel and a virtual crowd of family, friends and service members watching on social media in support of the Department of Defense's proactive approach to combat the spread of COVID-19.

Blauser thanked EODTEU-1's civilians and service members, highlighting their hard work and innovation that helped deliver combat-ready EOD, diving and salvage, and other expeditionary forces to the Navy and Joint Force in support of the National Defense Strategy.

"We have made significant progress in building a professional training force through improved and repeatable processes to deliver reliable, realistic and relevant training to our force," said Blauser, who is headed to the U.S. Naval War College in Newport, R.I.

Keynote speaker, Commodore, Explosive Ordnance Disposal Group (EODGRU) 1 Capt. Oscar Rojas, congratulated Blauser on his efforts to ensure Navy EOD will maintain its technological and tactical edge over adversaries as it heads into the future.

"You leave the command in a better place," said Rojas.

EODTEU-1 explored every opportunity to make the learning experience more realistic, rigorous and innovative under Blauser, said Rojas, adding he has total confidence Minukas will carry on in developing the force to win against near-peer competitors and empowered non-state actors.

"Under your leadership, we will continue to dominate in the littorals and reinforce maritime lethality," said Rojas.

In his first address as commanding officer, Minukas thanked Blauser for the positive impact he left on the command and said he and his family are humbled to be a part of the EODTEU-1 family.

"[We] are excited about what the next two years will hold for the Sailors and families of EODTEU-1 and will strive to continue the standard of excellence established by Dave and his family," said Minukas.

A component of EODGRU-1, EODTEU-1 develops and provides rigorous, relevant and realistic training to EOD, and mobile diving and salvage forces to prepare them for safe and successful operations in all environment while assessing new equipment, tactics, techniques and procedures.

EODGRU-1 is a critical part of the Navy Expeditionary Combat Force (NECF) that that clears explosive hazards to provide access to denied areas; secures the undersea domain for complete freedom of maneuver; builds and fosters relationships with a constellation of capable and trusted partners; and protects the homeland and American way of life.

EODGRU-1 COMPLETES NIEX, ENHANCING ABILITY TO INTEGRATE WITH NECF, FLEET AND JOINT FORCES

By Lt. John Mike, EODGRU1 Public Affairs

PPORT HUENEME, Calif. (NNS) — Explosive Ordnance Disposal Group (EODGRU) 1 enhanced its ability to operate within the Navy Expeditionary Combat Force (NECF), fleet and Joint Forces by completing a Navy Expeditionary Combat Command (NECC) Integrated Exercise (NIEX) at Naval Base Ventura County-Port Hueneme, Calif., Nov. 13.

The one-week exercise simulated EODGRU-1 commanding a deployed task unit designed to support NECF and Joint Forces conducting security, supply and combat operations.

"EODGRU-1 is always focused on capability development, which includes war-gaming and assessment. Participating in a NIEX is an example of how we accomplish a Navy EOD strategic objective while building towards our vision of a nation undeterred by explosive threats," said Capt. Oscar Rojas, EODGRU-1's commodore.

NIEX 21-1 tested the staff's ability to command and control a distributed force in an austere, expeditionary environment, while also challenging them to analyze and solve evolving problem sets under tight time constraints.

"Navy EOD plays a critical role within the NECF by eliminating explosive threats so the fleet and nation can win whenever, wherever and however it chooses," said Rojas, who emphasized that the NECF is greater than the sum of its parts. "NIEX 21-1 made us prove our ability to also integrate and command components of Navy EOD, Mobile Diving and Salvage, and the Naval Construction and Maritime Expeditionary Security Forces—a capability that is essential to achieving superiority in a contested maritime environment."

A NIEX is designed to ensure NECC major commands, such as EODGRU-1, can integrate with the NECF to support theater commanders in executing the National Defense Strategy. It also serves as the culminating event before a numbered fleet can certify them for major combat operations, which includes deploying as a task force staff.

NIEXes are assessed by Expeditionary Warfare Development Center (EXWDC), who train the NECF to plan and execute distributed operations to increase lethality and survivability.

"EXWDC's role was to strain EODGRU-1's capabilities so they can maximize their ability to train subordinate forces to deploy," said Gregory Gates, a member of NECC's assessments and certification department. "We wanted to see them properly communicate within their staff, and to subordinate commands and higher headquarters to solve problems and complete mission taskings."

"To accomplish this, they needed to come together as a staff and focus on clear, secure, build and protect," said Gates, referring to the NECF's specialized skills that enable distributed maritime operations by maintaining open and secure logistic routes, providing the capability to construct and repair critical infrastructure, and the ability to defend critical assets.

Operating from Naval Amphibious Base Coronado, Calif., EODGRU-1 oversees the manning training and equipping of EOD Mobile Units 1, 3, 5 and 11; Mobile Diving and Salvage Unit 1; EOD Expeditionary Support Unit 1; and EOD Training and Evaluation Unit 1. EODGRU-1 is also capable of deploying as a battalion level staff to command task forces in theater.

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SCAN ME

Explosive Ordnance Disposal Ethos

I am a United States EOD OPERATOR,
a warrior, professional Sailor and guardian of life.

I willfully accept the danger of my chosen profession and will accomplish all duties my great country asks of me.

I follow in the wake of those who have served before me with uncommon valor. I was born from the bombs and mines of the blitzkrieg. I have cleared the world's sea lanes and fought in the jungles, deserts and mountains around the globe.

I will never disgrace the Navy EOD warrior of the past and will uphold their honor and memory, both on and off the battlefield.

I am a quiet professional! I strive to excel in every art and artifice of war. I adapt to every situation and will overcome all obstacles. I will never fail those who depend upon me.

I maintain my mind, body and equipment in the highest state of readiness that is worthy of the most elite warrior.

I will defeat my enemies' spirit because my spirit is stronger. I will defeat my enemies' weapons because I know my enemies' weapons better.

I will complete every mission with honor, courage and commitment. Though I may be alone and completely isolated, I will trust my teammates and my country. I will never give up and I will never surrender.

Where most strive to get it right, I will relentlessly train so I never get it wrong.

I am a United States Navy EOD operator.

Navy Diver Ethos

I am a United States Navy Deep Sea Diver

I traverse the dark, forbidding depths of the world's oceans, lakes, rivers and seas where only a select few can follow. They are my battlefield. I serve across the spectrum of our nation's military services and with Special Operations Forces.

I honor my deep sea brethren past, present and future; they are my Family. My personal Honor and Integrity are above reproach and compel me to do what is right regardless of the circumstances. Courage is the hallmark of my trade.

The laws governing my chosen profession are absolute and unforgiving, demonstrated and proven with the blood of many brave divers who have gone before me.
Because of their courageous sacrifice, I am committed to my Brothers-in-Arms through relentless mental and physical preparation. My knowledge of diving, underwater techniques and systems, physics, and hyperbaric medicine must be unsurpassed.

The accomplishments of United States Navy Deep Sea Divers are the benchmarks by which the world measures man's achievements in the sea. My specialized skills, undaunted spirit and unbreakable will enable me to succeed in an environment where there are no second chances. Excellence is my standard.

I maintain uncompromising standards personally and professionally. Accepting anything less would bring disgrace upon myself and discredit to my community. My sense of Duty to God, my Country and the United States Navy and my teammates is steadfast and enduring.

I am a United States Navy Deep Sea Diver