



**COUNTER IMPROVISED EXPLOSIVE DEVICES
CENTRE OF EXCELLENCE**
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Accredited COE

S193-2024

TO: See Distribution List

SUBJECT: SAVE THE DATE–Technical Exploitation in Water Environment 2024
Trials (**TEWE24**) Seminar

DATE: 28 May 2024

REFERENCES: C-IED CoE Program of Work (PoW) 2024

1. The Counter-IED Centre of Excellence (C-IED CoE) is planning to conduct the **Technical Exploitation in Water Environment 2024 (TEWE24) Seminar**, which is going to be held primary from **19th to 21st November 2024** (alternative dates from 26th to 28th November 2024) in Hoyo de Manzanares, Madrid, SPAIN, in-person attendance. The Calling Letter will be sent September 2024. Below is the QR code to the TEWE website of the COE C-IED.



2. The **generic objective** of the event is to join experts (scientists, specialists & technicians) related to technical exploitation in water environment (open, inner, confined, swallow, subterranean, residual, and artificial waters), and supportive disciplines all together.
3. The **aim** of the event is to provide a favorable space to enrich the expert's technical skills with scientific knowledge, to share experience, to promote best practices, and to improve collaboration among agencies and security forces.

4. This meeting is strictly directed to an expert **audience** based on specialists dealing with:

- Scientific analysis in support to Technical Exploitation in Water Environment.
- Research & development in support to Technical Exploitation in Water Environment.
- Intelligence/Threat Analysis related to Technical Exploitation in Water Environment.
- First-response related to Technical Exploitation in Water Environment.
- Collection, search, preserving, and processing in Water Environment.
- Technical support to collection, search, preserving, and processing in Water Environment.
- Technical analysis of collected exploitable material (CEM) related to Water Environment.

5. The **main topics** for TEWE24 will be based on:

- Understanding & analysis of effects from energetic materials in water environment
- Case studies on recent incidents in maritime environment.
- Principles for design on protection of structures and vessels.
- Counter measures against attacks based on energetic reactions.
- Specific conditions, capabilities & procedures for Technical Exploitation in Water Environment
- Use of energetic materials under water environment: research & development
- Prospective on technologies in support to Technical Exploitation in Water Environment
- Threat updates from non-state actors related to water environment.
- Technical knowledge on water-related explosive munition/devices (both conventional and improvised ones).

- National approaches/challenges to/in Technical Exploitation in Water Environment.

6. Attendees will also have the opportunity to **interact and network** with colleagues from different agencies and organizations.

7. The C-IED COE **has planned** the following primary trials:

SEMI-SUBMURGIBLE + IED

Technical analysis, vehicle design, device design, vehicle construction, and device construction of a model as derived from the potential threat from the combined use of homemade semi-submergible with improvised explosive devices, along with associated practical trials.

UNDERWATER EFP REFINEMENT

Technical analysis, design, manufacture, and trials of improved and more effective designs for explosively formed projectiles (EFP) to be used underwater, as a continuation from TEWE23 Seminar & Trials: these trials are planning even to include the attachment of the devices to a commercial-on-the-shelf (COTS) underwater unmanned vehicle (UUV).

AERIAL DRONE + IED (INCENDIARY & DFC)

As derived from the analysis during Alternate Threat Scenarios Seminars (ATS22 & ATS 23), technical analysis, design, manufacture, and trials of:

- Improvised incendiary systems and devices to be dropped from a commercial-on-the-shelf (COTS) aerial unmanned vehicle (UAV)
- Directional Fragmentation Charge (DFC) IED to be fired from a commercial-on-the-shelf (COTS) aerial unmanned vehicle (UAV)

Also, secondary trials have been planned:

3D SCENARIO

Trials with a combined use of underwater scanners, digital videos and digital photography as a tool for scenarios regarding technical exploitation.

TRIALS ON UNDERWATER TE TTP

Technical analysis, design and trials regarding the performance and effectiveness of different techniques and procedures in support to technical exploitation in water environments.

UNDERWATER DRONE – DOCUMENT, DIGITAL MEDIA AND CELLULAR EXPLOITATION (DOMEX)

Technical analysis tactics, techniques & procedures on collected commercial-on-the-shelf (COTS) underwater unmanned vehicles (UUVs).

8. Tentative Agenda

- Welcome (DIR Salutation)
- Admin & security briefing
- C-IED COE presentation
- Group photography
- SEMI-SUBMURGIBLE + IED
- UNDERWATER EFP REFINEMENT
- AERIAL DRONE + IED (INCENDIARY & DFC)
- 3D SCENARIO SCANNING TTP
- TRIALS ON UNDERWATER TE TTP
- UNDERWATER DRONE DOMEX TTP
- C-IED COE Activities & Events 2025

9. A **calling letter**, including a detailed agenda together with all the relevant administrative details, will be released in September 2024 and available at www.ciedcoe.org/index.php/events/tewe. Should you have any questions please do not hesitate to contact us through TEWE@ciedcoe.org.

10. The **security classification** of the TEWE 2024 is NATO UNCLASSIFIED

11. Accommodation

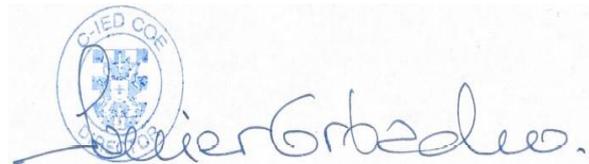
We recommend the nearest hotels in the area:

“HOTEL PAX TORRELODONES” C/ Sama de Langreo, s/n 28250 Torrelorones (Madrid). Email: reservas@paxtorrelodones.com or by telephone 0034 918 406 606.

Gran Hotel Attica 21 Las Rozas (C/ Chile 2 28290 (A6, KM 24) Las Rozas Madrid). Email: repcion.lasrozas@attica21hotels.com or by telephone 0034 916 308 410.

B&B Hotel Madrid Las Rozas (Calle Perú nº2. 28290 (A6, KM 24)) Las Rozas Madrid. Email: hotel.lasrozas@hotelbb.com or by telephone 0034 916 301 717.

Participants should make their own reservations in the hotels, but daily transportation is expected to be provided from/to the hotels recommended to/from the NATO C-IED COE.



Javier Corbacho Margallo
Colonel ESP Army
C-IED CoE Director

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SACT NLR ALL DISTRO LIST
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MININT (Direction general de la securite civile et de la gestion de crise)
COE Counterintelligence (CI)
COE Confined Swallow Waters CSW
COE Explosive Ordnance Disposal EOD
COE Human Intelligence HCOE
COE Joint Chemical Biological Radiological Nuclear Defense JCBRND
COE Naval Mine Warfare (NMW)
EDA
JDEAL
CAF - CANADA C-IED TF CAF
- IED Threat TF
CAF - Joint Counter Explosive Threat TF (JCET TF)
CAF ARMED FORCES TACTICS SCHOOL C-IED
CAF NAVY EOD
DEU BKA
DEU FEDERAL POLICE POC
DEU NAVY MINE CLEARING ESP
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GBR Army HQ/DEODS
GBR MoD - DI CA - LAND IED 1
GBR MoD / Counterterrorism and Security Division
GBR MoD C-IED Force Protection and CIED WG
GBR MoD Executive Officer & SO1 FP/CIED Policy
GBR MoD DSTL
GBR MoIA Metropolitan Police SO15
HQ 1st GNC, DEU
HQ Allied Air Command
HQ Allied Land Command
HQ Allied Maritime Command HQ
ARRC, GBR
HQ EUROCORPS HQ
EUROCORPS, FRA
HQ LC Land Command
HQ MC Maritime Command
HQ NATO Rapid Deployable Corps (HQ NRDC ESP) HQ
NATO Rapid Deployable Corps GRC (HQ NRDC GRC)
HQ NATO Rapid Deployable Corps ITA (HQ NRDC ITA)

HQ NATO Rapid Deployable Corps TUR (HQ NRDC TUR)
HQ NRDC ESP - G3 OPS Protection
INTERPOL
IRL EOD School Director (MoD)
ISR LSO in NATO HQ
ITA C-IED COE
ITA COMSUBIN
Joint Support and Enabling Command (JSEC) / CIED Branch
NATO Maritime Interdiction Operations Training Centre (NMIOTC)
NLD DEC CIED
PGS / SPP (Protection and Guard Service)
PRT Joint Staff POC
ROU POC
TUR ARMY
TUR GENDARMERIE
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USA JOINT PROGRAM OFFICE US (USJPO)
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USA FBI LABORATORY CUANTICO
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COE C-IED Military Attache/Ambassy POC

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