



MCoE IED Defeat

Current Events

Volume 4, Issue 4

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Inside this issue:

- [Current Events](#) 1
- [C-IED Technology](#) 2
- [Fort Benning C-IED](#) 2
- [C-IED Training](#) 3
- [C-IED Hot Topic](#) 4
- [Team Contacts](#) 5
- [Links of Interest](#) 5
- [Around the World](#) 5
- Special points of interest:*
- [senseFly](#)
- [IED Training Support](#)
- [IEDES Introduction](#)
- [Path Forward/Hot Topic](#)
- [Links of Interest](#)

(CAC login/ Registration may be required for link access)

“The inevitable next fight is somewhere in our future. We must be able to rapidly posture for that fight. We must continue to lean forward and stay abreast of how our enemies are using IEDs and what new tactics and technologies they are employing.” Lt. Gen. John D. Johnson, Director of JIEDDO

Recent events in Russia and Tunisia show that a suicide bomber can hit a specific target on a fixed site or a random detonation in a public place. In Tunisia, a male intended on hitting a popular tourist hotel, but the security guards would not allow him access and he detonated the device killing himself. The incident in Russia, a female had an intended target in mind, but she changed it while in transit and targeted passengers on a bus.

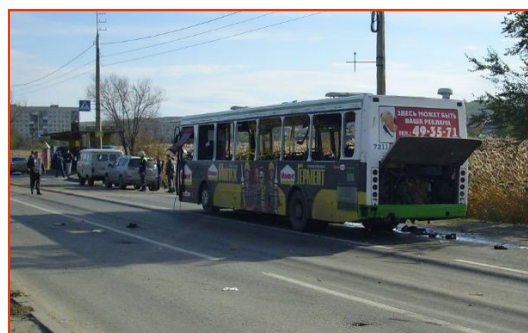
With each explosion of an improvised explosive device (IED), we should capture our actions before, during, and after to ensure that mistakes are not repeated. Focusing on the basics will increase everyone’s chances of survival. Pre-combat Checks (PCCs) and Pre-combat Inspections (PCIs) must be conducted prior to each mission. All personnel should be present and equipment should be inspected to ensure that they will function properly when needed. Rehearsals for actions on contact must be conducted and everyone should know what is expected of them during each drill.

The nine principles of IED Defeat are: maintain 360 security, offensive mindset, maintain standoff, avoid setting patterns, maintain tactical dispersion, utilize blast/fragmentation protection, stay observant, develop & maintain situational awareness, and utilize your available technology. Adhere to these principles and incorporate them into all missions to help mitigate risks to your unit. Use the assets that you have available through your unit such as unmanned aerial platforms, company intelligence support team (CoIST), surveillance systems of various types, and company counter radio controlled improvised explosive device electronic warfare (CREW) specialists. Be sure to follow through during post mission to give feedback in the form of a patrol debrief and, if possible, involve the entire patrolling element. One Soldier may have witnessed something that could lead to either losing or saving the life of a fellow Soldier.

Your MCoE C-IED Team continues to provide quality support to all. Whether it's live, virtual, mounted or dismounted training, we are providing each unit with relevant information and vital training. Virtual Battle Space 2 will provide your unit with the opportunity to identify issues prior to conducting live training and missions in an IED laden environment. Threat and IED Awareness briefings will refresh your Soldiers who have multiple deployments and educate newly assigned personnel. Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW) training, Hand Held Detector (HHD) Training, and familiarization of the numerous other enablers will add to your unit’s preparedness for upcoming training or deployments.



Suicide Bomber at popular Tunisian hotel detonates his device



Female suicide bomber kills six and injures 28 more in Russia

Emerging Technology

Our ability to observe the battlefield greatly increases our chances of identifying potential threats prior to any troop movement. Our eyes are the best weapon that we have in spotting IEDs and enemy presence. The next best thing is our unmanned aerial vehicle (UAV) platforms that we have in our inventory. These UAVs can provide us a clear picture of what the patrolling element is up against and can give them a detailed lay of the land.

The senseFly drone system is a lightweight UAV that provides the operator with a 3D map of the terrain. The senseFly is easy to launch and operate in harsh conditions. The mapping feature provides you with a clear picture that you will need when formulating your approach. ([learn more](#))



The senseFly UAV is lightweight and man-portable system.



A system generated view of what the Soldier/Operator would see after the terrain has been mapped

Fort Benning C-IED Training Events

NCOA (M-SLC) IED Training Support:

During November 2013, the Maneuver Center of Excellence C-IED Team provided support to the Army's future Platoon Sergeants and First Sergeants attending the Non Commissioned Officers Academy's Senior Leaders Course (M-SLC) during their Global IED Awareness training. Support provided included briefing current IED threats along with relevant C-IED enablers that are being used throughout the Army. The enabler instruction included overviews of the SPARK, EW systems: CREW, THOR III, Baldr (ICREW) and Pipper; Hand Held Detectors that included: AN-PSS-14, GA-72CD-ML Schonstedt, DSP-27, Gizmo, Minehound, and the Man Portable Line Charge (MPLC) used by the operational force.

The collage consists of three main sections:

- Hand Held Detectors:** A slide titled "Hand Held Detectors" from Fort Benning, Home of the MCoE. It lists several detector models with their weights: VMR 2 MineHound (9 lbs), VMC 1 Gizmo (5.5 lbs), CEIA Compact Metal Detector V-2.00 (5 lbs), AN/PSS-14 (14 lbs), and Detector Special Purpose No. 27 "Goldie" (7.54 lbs). It includes small images of each device and the MCoE logo.
- Capabilities:** A slide titled "Capabilities" from Fort Benning, Home of the MCoE. It shows four categories of operations with corresponding images: "Building Clearing", "Clearing suspicious areas", "Route Clearance", "Clearing Vehicles", and "Area Clearance". It includes the MCoE logo.
- Red Dot:** A slide titled "Red Dot" from Fort Benning, Home of the MCoE. It features a map with a red diamond icon and a yellow callout box that says: "Click on the icon and it will take you to the 'Hook Dialogue Display' and provide you more information about the item or event". It also includes the MCoE logo.

The C-IED Team remains responsive to its customer's training needs and provides relevant training material based on the skills and knowledge of its target audience.

MCoE C-IED Training and Awareness



Meet the Improvised Explosive Device Effects Simulator (IEDES)

We're still hearing from various members of our reading audience regarding questions about the IEDES, so we thought we would take this opportunity to go over the system and its components briefly so units and trainers will better understand what this system is composed of and how each component kit performs.

Units who wish to augment their lane training, can request a Global IED Threat Update. The following items are addressed inside one of these 2-3 hour sessions:

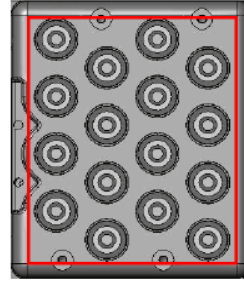
- Counter-IED Facts
- IED TTP sharing
- IED types and typical employment methods
- Mounted and Dismounted attack TTPs used in Afghanistan
- Atmospheric
- CREW concepts
- Introduction to Insider Threats
- Where to find additional C-IED training resources.



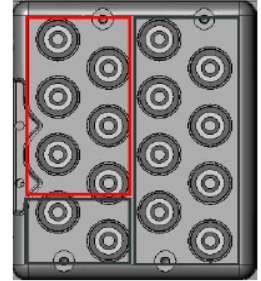
- The MCoE C-IED Team works hand in hand with the Warrior University to share the Best Practices with the Warfighter. This portal is organized as a professional "home" for Infantry, Armor and Cavalry Soldiers, and leaders to facilitate and foster lifelong professional relationships. The mission of Warrior University is to synchronize and integrate all maneuver training so the right Soldiers receive the right training at the right time, regardless of their physical location.

Pyrotechnic Kit

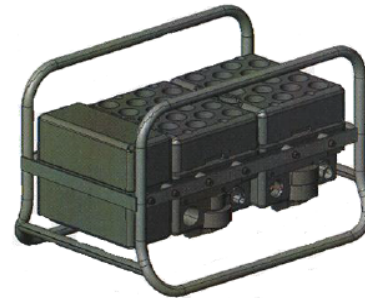
- 2 - Devices that can be scalable and allow multiple shots before requiring reloading; device will replicate small through extra-large signature devices
- 2 are provided in each Pyro Kit
- Use Standard Issue Type classified M30 and M31A1 Cartridges
- Controlled by the MCU thru the ECID
- Scalable from small thru extra large effects
- Has 2 additional sets of magazines for M30/M31A1 variations.
- Magazines are coded for Identification of round types



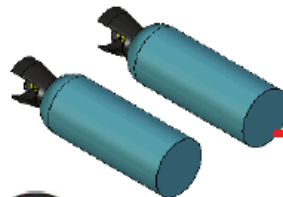
16 x M30



6 x M30
10 x M31A1



Non-Pyrotechnic Kit



- 6 - Devices that can be scalable and allow multiple shots before requiring reloading; Devices will replicate small through large signature devices
- 2 - 32 ounce commercial and reusable recharge system
- 6 - MILES Emitter Units (MEU)
- 2 - push/pull booby trap devices
- 1 - pressure signature device
- 2 - Suicide Vests
- 6 - Electronic Common Interface Devices (ECID)
- 3 - Module Control Unit (MCU)(PDA)
- Safety glasses
- Hearing protection
- Leather gloves
- Consumables

NOTE: Non-Pyro Kits consist of 5 Identical Cases for the devices and 1 case for consumables

C-IED Team activity for the Warfighter

- Conduct relevancy review of POIs at MCoE to ensure C-IED tasks and associated TADSS and supporting ammunition requirements are addressed accurately.
- Continue the implementation of relevant C-IED enabler introduction, familiarization, and use during local/MCoE training sessions. Enablers include HHDs, Man Portable Line Charge trainer, CREW/THOR III, SPARK, RHINO, and Cyclone.
- Employ low cost training solutions (virtual, dL, IMI) to support learning in a budget constrained environment.
- Respond to RFIs regarding MCoE C-IED training submitted by the Joint Services.
- Share a TRADOC “Best Practices” perspective on training with the Force.
- Remain flexible, adaptive, and proactive in the team’s efforts to provide the latest relevant training to the Warfighter.



Quick Links:

[RFMSS](#)
[Homepage](#)

[OEF Training](#)

[DHS IED Fact Sheet](#)

[ROC-IED Training Link](#)

[RAPID Reports](#)

[Marine Corps Center for Lessons Learned](#)

[CREW Training](#)

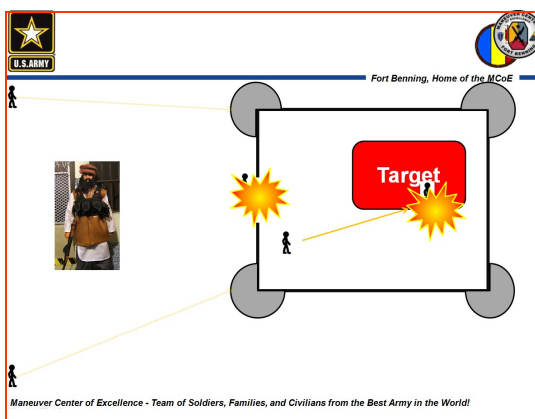
[Attack the Network Homepage](#)

[West Point Negotiation Project](#)

[Commander's Handbook For Strategic Communication and Communication Strategy](#)

C-IED Hot Topic: “The Big Bang Theory Insurgent Style”

Old Soldiers will remember the scenes from movies like “The Longest Day”, “The Big Red One”, or even “Saving Private Ryan” where the Bangalore torpedo is employed to create breaches in protective obstacles, but there might still be some that are unaware that the insurgents are using Suicide Bombers, both on foot or in vehicles in the very same fashion and intent. Several times in hotspots like Afghanistan, Syria, and a few spots in Africa, insurgent groups have employed what are basically fire teams in support of each other to breach hardened targets, but instead of carrying the extra explosives for breaching, one or more of them serves as the breaching tool. The use of vehicles in this approach was expected as static sites are hardened against such threats. The vehicle provides the bigger payload and are much harder to stop the approach when lined up with its intended target. Warfighters should remember that the placement and layout of their location is just as important as security and can play a significant role in preventing attacks or decreasing the effects of such attack methods.



C-IED Team Lead Comments

This team stresses the need to remain vigilant. If we take a quick look around the world right now, Warfighters are involved in many activities that bring them into close contact with possible IED employment opportunities. It is understood that we can expect to encounter these devices in or near war torn or conflict ridden countries and areas. But as we have witnessed, there are other opportunities for their use that are more subtle and less conspicuous, like sporting events, public rallies, and places where humans congregate for prolonged periods like the work place.

Warfighters should take notice of places like the Philippines (an area with a history of IED activity), where they might change their title to “Caregivers”. This area, so recently devastated by a massive tropical storm, will become ripe with IED targets of opportunity, as people gather in large numbers at aid distribution centers and First Responders move through areas littered with debris (perfect camouflage).

It is operational conditions and opportunities like these that present themselves on a daily basis everywhere we have Soldiers stationed and deployed. Stay Alert-Stay Alive!

The MCoE’s C-IED Team is on-call to support any requesting unit. To schedule training, contact, Mr. Tom Dale at 706-545-6577, thomas.l.dale.ctr@mail.mil or Mr. Jerry Niggemann at 706-545-8823 gerald.e.niggemann.civ@mail.mil.



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L to R: Mr. Koger, Mr. Fairchild, Mr. Perry, Mr. Black, Mr. Francis, Mr. Molina, Mr. Freeman, Mr. Dale, Mr. Repicky

Links of Interest

- **Joint IED-Defeat Organization** @ <https://www.jieddo.mil>
- **JKnIFE C-IED Training site** @ <https://jknife.jieddo.mil>
- **Center for Army Lessons Learned** @ <https://call2.army.mil/>
- **Combined Arms Center** @ <https://ctd.army.mil/external12/BSTPs/ied-tsp/index.asp>
- **Directorate for Counter IED (DCIED)** @ <http://www.wood.army.mil/dcied>
- **Army C-IED Professional Forum** @ <https://www.us.army.mil/suite/collaboration/GetDocument.do?doid=17964848>

(Users should be aware of site maintenance down times)

Around the World

(IED topics from around the world)

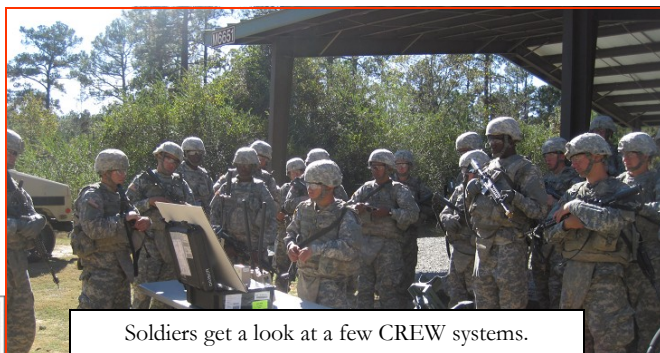


NORTHCOM: SOUTHCOM: EUROM: AFRICOM: PACOM

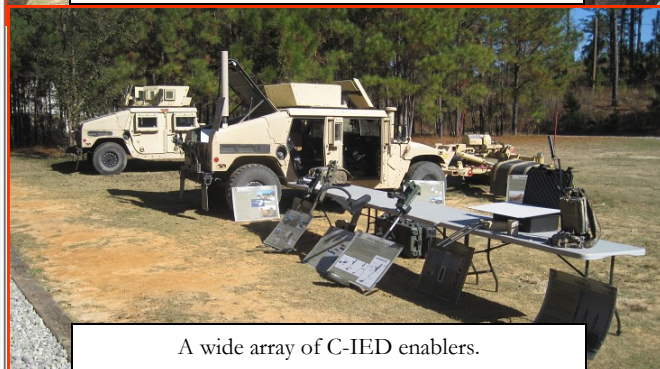
Link Disclaimer: The links provided above in no way denote any agenda or affiliation with the publisher of this news letter. They are provided for the reader to see the possibilities that the IED threat can/could achieve.

194th Armor BDE Support

Soldiers of I Troop 1/81 AR recently participated in the C-IED training conducted on the Armor School's IED lane. In addition to the standard lessons, they received exposure to a few of the popular C-IED enablers used by forces in theater.



Soldiers get a look at a few CREW systems.



A wide array of C-IED enablers.