



MCoE IED Defeat

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

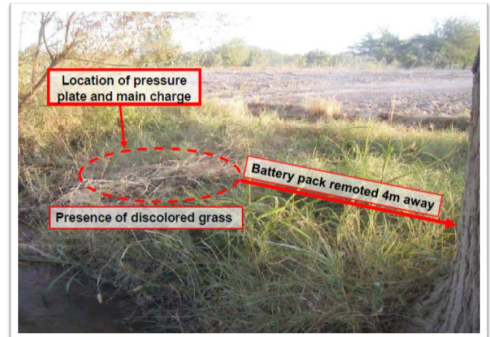
Current Events

“Of the 50 percent of IEDs U.S. forces detect, 80 percent of those are detected by Soldiers using their senses; just 20 percent are found using technology.” Army LTG Michael Oates - Director, JIEDDO

Around the world, our Soldiers are fighting against different enemy networks that all have at least one thing in common- the use of the Improvised Explosive Device. Currently, south of our own border, the Mexican and Columbian Armies and Law Enforcement officials are in a constant fight against criminal networks which are using tactics similar to those being used by groups like al Qaeda. The use of the Improvised Explosive Device as a means of early warning or to slow down the advancement of local security forces is not new. Regardless of where or who these groups are, these tactics are resurfacing around the world. The means of information gathering is made easy by the use of a simple Internet connection.

A constant that will not change are the indicators that are left behind. The IED builder and those who emplace the device leave signs that can be detected with attention to detail, situation awareness, and a connection to the community. Ground sign awareness gives away the location of a portion of the device and causes us to take a second look at the “bigger picture.” Using acronyms like C.A.G.E (more information on page 3) and increasing ground sign awareness will assist our Soldiers in being proactive verses reactive. Having an understanding of the local culture and connecting with the community by conducting key leader engagements will help both our Soldiers and the local population foster a communally beneficial relationship.

During the past month, your MCoE CIED Team has continued to provide the highest quality training events that include IED Awareness, Threat Updates, Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW) Classes, Mounted and Dismounted lane training support, and virtual training using Virtual Battle Space 2 (VBS2). We continue to provide training and Subject Matter Experts for both the Mines Training Area and the 194th dismounted IED Lane that hosts training for the Soldiers from 192nd, 194th, and the 198th which is our largest target audience. Supported PEOSTRI VBS2 Virtual Scenario User support package development. Participated and provided SME feedback on the ARL IED HD TV virtual IED training lane for integration in the Army CIED training program. We attended and supported the JIEDDO -Robotics Rodeo IPR.



C- Channeled
A- Aiming Markers
G- Ground Signs
E- Environment
Atmospherics



The MCoE CIED Team conducts mounted and dismounted training operations to assist with enhancing one’s ability to identify potential IED indicators or ground sign observables.

CIED Technology

Modular Protective System (MPS) for Improved Explosive Device Defeat

According to the U.S. Army Corps of Engineers (USACE), the Modular Protective System (MPS) for Improved Explosive Device Defeat provides modular, scalable protection tailored to the threat. The armored walls are said to defeat the following:

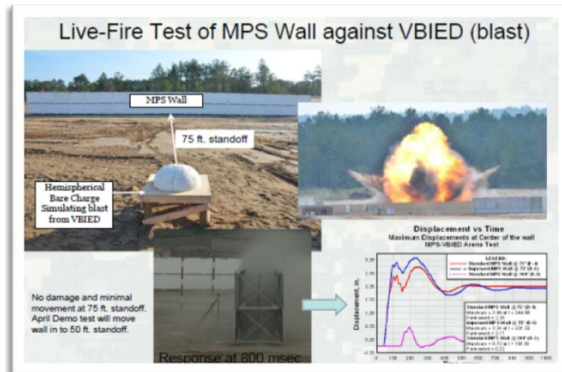
- Direct fire threats up to .50 cal AP rounds
- Walls provide blast and fragmentation protection from near-miss 82mm, 120mm, 107mm, and 122mm mortars and rockets.
- Shoulder-fired rocket (RPG) threats, with pre-detonation screen in place.
- Overhead Cover (OHC) system will fully defeat blast and fragmentation effects of direct-hit 82mm, 120mm, 107mm, and 122mm mortars and rockets.

Current systems used (i.e., HESCO barriers) cannot effectively address protection solutions for austere bases; however, the MPS does and it enables full operational protection with days verses months typically required for earth filled solutions. The structure is “reusable, reconfigurable, and rapidly emplaced with no equipment requirements.” Construction time for an 8 feet tall fully armored wall with a 5 person team not experienced with assembly will take approximately 3 min/ft per wall and experienced team would take 2 min/ft per wall. Deconstruction time is 1.5 minutes per foot of wall.

(Click [here](#) for more information)



Pictures from USACE IED & RAM Defeat Capabilities Emerging from the Deployable Force Protection (DFP) Program Brief.



Fort Benning CIED Training

Maneuver Senior Leaders Course (MSLC) Professional Development (PD)



MCoE CIED Instructor shares a history lesson regarding the first recorded Suicide attacks with Warriors of the Maneuver Senior Leaders Course.

Members of the MCoE CIED Team provided IED Professional Development (PD) training to the Maneuver Senior Leaders Course (M-SLC NCOA) at Bldg 4, CR E106. M-SLC students (154) attended IED-D PD classroom instruction from 0900-1000 hrs.

The purpose of training was to augment the currently institutionalized training and provide a global snapshot of events and topics centering on IED awareness and communicate the latest enemy IED Tactics, Techniques, and Procedures used. These frontline leaders were briefed on the types of currently preferred devices they would likely encounter during deployments to or in Afghanistan and were shown videos that provided effective examples of enemy personnel emplacing IEDs against Coalition Forces (CF) which reinforced the value of current CIED drills.

Instruction didn't stop at the borders of Afghanistan though, as the instruction went through current threats that are being encountered globally. Discussion covered the insurgents methods of transferring technical and tactical data across the world, and why OPSEC is critical in the overall fight against IEDs.

- Training topics included:
- IED Facts
 - Why use them
 - Afghanistan trends
 - Components
 - Initiating systems
 - Basic IED types
 - HME
 - Principles of IED -D
 - Establishing a baseline
 - Markers/Ground signs
 - CAGE
 - Confirmations
 - CREW topics
 - MCoE Initiatives: ASAT, DCT-MT



Contact Information for this selection is:

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“The top five countries of IED events every month are Pakistan, Colombia, Russia, Syria and the United States. That’s not well understood, but we do have an IED challenge. There is an IED coming to a national mall near you. There are too many networks, and too many of this generation of bomb-makers that are determined. We’ve been very successful, I think, as a nation at preventing these attacks, but [they] are very good. I think the way to handle this enduring domestic threat is to really knit together all of the tools we have at our disposal as we understand these networks.”

LTG Michael Barbero, JIEDDO Director

Available CIED Training

Weapons Intelligence Course

The six week Weapons Intelligence Course is conducted at Fort Huachuca, AZ. It can be found in ATRRS under Course: 9E-F27/950-ASIW6 (G).

Graduates from the course will assist the Active Force by developing and maintaining a standing, professional Weapons Intelligence force nested in the WTI enterprise, capable of supporting deployed ground forces and unit commanders by providing expert analysis on IED threats, enemy weapon systems, and enemy TTPs.

Topics addressed in both classroom and tactical training include: Biometrics, Forensics Procedures, Case Studies & Global Terrorist Threats, Computer Forensics & Media Exploitation, IED Tactics, Basic Explosives, Tactical Training, all topped off with a Field Training Exercise.

The Primary Target Audience of the course is Joint and multi-component forces with a strong background in intelligence analysis, forensic investigations, weapons technical training, explosive ordnance disposal, and combat arms. After completing this course, graduates will receive the ASI W6.



A veritable treasure of intelligence for a future WTI Course graduate. Photo by -SPC. Daniel Herrera, U.S. Army/Flickr

CIED Training Tip

Enhancing Ground Sign Awareness

The protection of our Warfighters from IEDs has become of paramount importance among operational units in the modern contemporary operating environment. While the surge in developing field expedient and evolving technological solutions are of high priority in this arena, we must be charged with the enhancement of our fundamental observation skills. The correct use of ground sign awareness training integrated with the current knowledge of enemy TTPs through up channel and down channel communication has been shown to improve the survivability of the Warfighter on the battlefield and maintain the integrity of critical military assets.

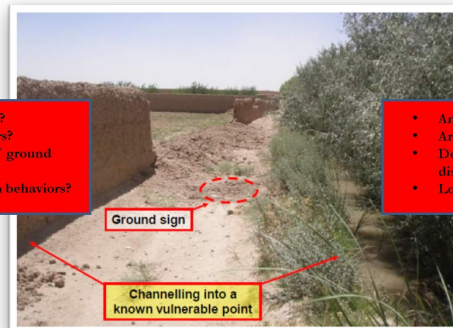
Using this acronym “**CAGE**” will help you focus on the potential threat you are trying to identify. Look at the given terrain in your field of view, begin by asking yourself the four questions in the diagram below. (Note: Aiming markers and their meanings can vary among regions, this is why it is important to ensure you receive as much information as possible from outgoing personnel previously occupying the area and build a working relationship with the local population through Key Leader Engagements.)

Using this acronym “**CAGE**” will help you focus on the potential threat you are trying to identify. Begin by scanning the bigger picture and ask yourself the following:

- C- Channeled**
- A- Aiming Markers**
- G- Ground Signs**
- E- Environment**
- Atmospherics**

- Am I Channeled?
- Are there markers?
- Do I see signs of ground disturbance?
- Local population behaviors?

- Am I Channeled?
- Are there markers?
- Do I see signs of ground disturbance?
- Local population behaviors?



MCoE Attack the Network (AtN) Line of Effort (LOE)

Human Network Engagement

What is Human Network Engagement? The definition states: “Human Network Engagement operations are defined as lethal and nonlethal actions or operations focusing on friendly, neutral, and threat networks conducted continuously and simultaneously at multiple levels. These operations enable operational success by capitalizing on supporting friendly network’s, influencing neutral networks, and creating key vulnerabilities that neutralize the threat networks ability to function.” What does that mean to Soldiers and leaders at the operational level? Human Network Engagement simply provides a construct of processes and principles to identify, define, and then engage any network regardless of its design or intent. It is not restricted by the type of operation, or the type of network that activities are directed against. It allows Army leaders to effectively engage any network (friendly, neutral, or threat) with the appropriate lethal or nonlethal targeting once the network has been defined through information collection and analysis. Human Network Engagement utilizes the Attack the Network (AtN) operational framework and operational approach, but it does not focus solely on the threat network. It is not restrictive, but provides leaders the flexibility to apply the appropriate targeting, on the correct network, within an effective window of opportunity, to achieve the desired result. Human Network Engagement also focuses on building relationships rather than focusing on short-term gains achieved from classic lethal-targeting engagements. In the coming months, Army Techniques Publication (ATP) 3-90.50 Human Network Engagement, will be completing the approval process to become Army doctrine. It will provide the doctrine necessary to successfully conduct Human Network Engagement activities.



CAIRO, EGYPT - Nearly 200 members of the [New York Army National Guard 42nd Infantry](#) (Rainbow) Division headquarters, based in Troy, N.Y., executed a large-scale command post exercise jointly with Egyptian army staff officers in Cairo.

(Click here to request more information from the MCoE AtN LOE Team)

CIED Team “Behind the Scenes”

The team recently supported Scientists from the Army Research Laboratory with SME input regarding the development of the Anomaly/Change Detection Interactive Multimedia Instruction program.

CIED Team Lead Comments

The seriousness of the IED threat was reinforced recently with the attempt to infiltrate and board a passenger aircraft with an improvised device built into underwear. The insurgents share their concepts for devices and applicable TTPs with jihadists and would be martyrs around the world through the use of the Internet. With the advent of cyber communications, experts said the world had gotten smaller. The downside of this luxury is that it made the world a more lethal place, with the sharing of ideas and technical information to many who would have had to start from ground zero in device exploration.

Warfighters must be aware that the enemy monitors almost all social networking sites, and users should be very cautious about their photos and posts. What might seem an innocent post about something learned might very well turn out to be a change in TTPs by the time the Warfighter gets into country.

The MCoE CIED Team is on-call to support any unit requesting CIED training, Professional Development (PD), or Subject Matter Expert (SME) assistance during field training. To schedule training contact, Tom Dale at 706-545-6577, thomas.l.dale.ctr@mail.mil or Jerry Niggemann 706-545-6516, gerald.e.niggemann.civ@mail.mil.



Quick Links:

[RFMSS Homepage](#)

[OEF Training](#)

[CALL UTPP Bulletin 2011-02](#)

[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](#)



Tom Dale



MCoE IED Defeat

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

Links of Interest

- Joint IED-Defeat Organization @ <https://www.jieddo.dod.mil/>
- KNIFE Training site @ <https://jknife.jieddo.dod.mil/pages.knifepublic.aspx>
- Center for Army Lessons Learned @ <https://call2.army.mil/>
- Combined Arms Center @ <https://ctd.army.mil/external12/BSTPs/ied-tsp/index.asp>
- Capabilities Integration Team (CIT) Rep NIPR: ben.clapsaddle@us.army.mil
SIPR: ben.clapsaddle@us.army.smil.mil
- Directorate for Counter IED: <http://www.wood.army.mil/dcied>
- Army CIED Professional Forum <https://forums.army.mil/SECURE/CommunityBrowser.aspx?id=131710&lang=en-US>

Featured Site: CRC



The CONUS Replacement Center CIED Training facility features:

- Dismounted “universal” Patrol lane
- Seven Station IED Petting Zoo
- Conveniently located near the Home Station Training Lane
- 5/25 Drill static M-1151 platforms
- HME lab in development

The facility currently supports the processing of Non-unit Related Personnel (NRP) for deployment to the theaters of operation, and executes Theater Specific Individual Requirements Training (TSIRT) in order to support overseas contingency operations.

Around the World

(IED topics from around the world)

