



MCoE IED Defeat

Volume 3, Issue 6

July 01, 2012

Inside this issue:

Current Events	1
CIED Technology	2
Fort Benning CIED	2
CIED Training Tips	3
CIED Team Future Initiatives	4
Team Contacts	5
Links of Interest	5
Around the World	5

Special points of interest:

[New Laser-Based Explosive Scanner Accelerates Airport Security Checks Quick Links](#)

[14th CSH CIED Constructive and Virtual Training](#)

[CONUS Replacement Center \(CRC\) CIED Training Lane](#)

[Man Portable Line Charge \(MPLC\) Familiarization Training](#)

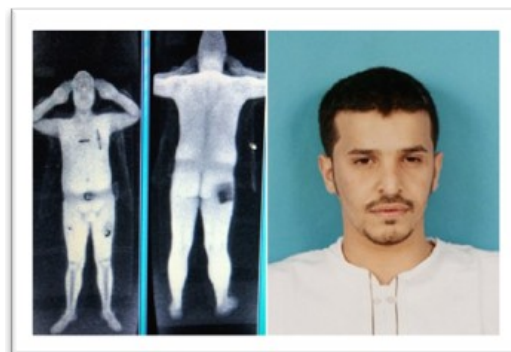
(CAC login/ Registration may be required for link access)

Current Events

You must not lose faith in humanity. Humanity is an ocean; if a few drops of the ocean are dirty, the ocean does not become dirty.” Mahatma Gandhi

Regardless of how vigilant we are, the enemy has demonstrated a willingness to employ IEDs, and the design of his devices is only limited to the imagination of the individual builder and his access to materials. From the attempted assassination of a Saudi Prince in 2009 to one of the most recent IED attacks in Yemen on 21 May 2012 killing more than 90 and injuring over 300 at a military parade rehearsal. Suicide Bombers have continued to demonstrate their abilities to enhance IED employment tactics based off watching our counter measures and learning about the technology we are employing. The actions the enemy has taken to conceal IEDs is of no surprise; however, we must acknowledge the levels of ingenuity between the wearing of a suicide vest and a surgically implanted improvised explosive device. The use of inserted IEDs is not a new concept, but intelligence agencies have reported uncovering intelligence that “al-Qaida was seeking to surgically implant bombs inside people, a move some believed was prompted by the use of full-body imaging machines at major airports around the world.” The enemy has demonstrated his willingness to die by means of suicide borne vest or vehicle. Our Soldiers need to exercise the current Rules of Engagement (ROE) and swift judgment. While conducting personnel searches, a pat down alone will never be 100% accurate. With the use of such devices as the Fido Explosives Detector, gunshot residue kits, and hand-held metal detectors our Soldiers can do a thorough search. With these enablers, the Soldier conducting the search can determine whether or not the individual being searched has been in contact with or has on his or her person any type of weapon and/or explosives. Our Warfighters must continue to enhance their abilities to detect, deter, defeat, and respond effectively against any form of IED. Mission accomplishment is our goal and how we get there is by ensuring the well being and safety of our greatest asset -The American Warfighter. Educating our Soldiers on the enablers is the first step in wining the fight against Improvised Explosive Devices (IEDs). Next we must ensure that our equipment is inspected so that when it is needed it will function properly. Lastly, the equipment is issued for a reason, USE IT and do not tuck it away in a container never to be used.

Your MCoE CIED Team continues to provide the highest quality training events to ensure our Soldiers’ survivability here and on the Battlefield. From assisting units during live training events with Subject Matter Expert advice, IED Awareness classes, and virtual training we provide the MCoE a “One Stop Shop” that can enhance your unit’s training event. This month, we assisted the Joint Improvised Explosive Device Defeat Organization (JIEDDO) with the Robotics Rodeo. Members supported numerous live or virtual training events with the 192nd, 194th, 197th, and 198th Infantry/Armor Brigades.



Newsweek reports Ibrahim al-Asiri aims to devise a human bomb to evade airport body scanners. (photo of Ibrahim al-Asiri from www.thedailybeast.com)

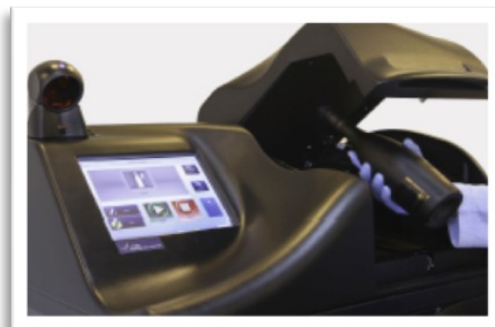
CIED Technology

New Laser-Based Explosive Scanner Accelerates Airport Security Checks

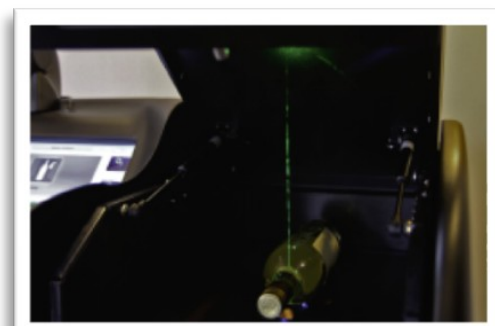
An Israeli Electro-Optics Company, Laser Detect Systems Ltd (LDS) announced this month that they have completed testing of “an innovative laser-based explosive scanner capable of detecting hard to detect liquid explosives in three to five seconds.” Explosive scanners currently fielded are restricted in their ability to detect certain categories or forms of explosives, hence the restrictions placed on airline travelers clearing security with any type of liquid/powder-like substances. LDS has named the new device the 5500D Ultra Fast Explosive Scanner which is said to enable accurate and reliable detection of explosive materials and hazardous compounds in liquid, gel, or powder form.

The scanner employs Raman spectroscopy laser scanning methods to scan an array of “standard” or improvised explosive materials whether in liquid, gel, powder, or solid forms, and materials concealed, mixed, or diluted (materials continue to be diluted with other substances in an attempt to evade existing sensors) in plastic or glass bottles. Additional applications of the LDS 5500D consist of narcotics detection and the identification of forensic chemicals in various forms (i.e., liquids, solids, gases, and powders). Laser Detect Systems unveiled the LDS 5500D Bottle Liquid Scanner explosive detector at the Counter Terror Expo 2012 in London. (Click [here](#) for more information)

See more of LDS’ featured products at laser-detect.com



LDS 5500D Ultra Fast Explosive Scanner. Picture from defense-update.com via LDS.

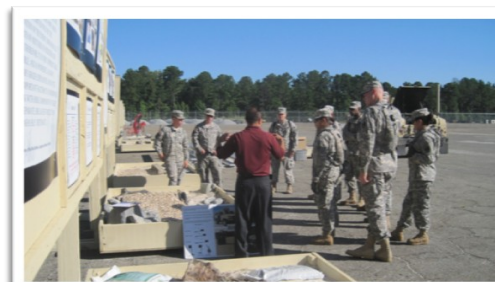
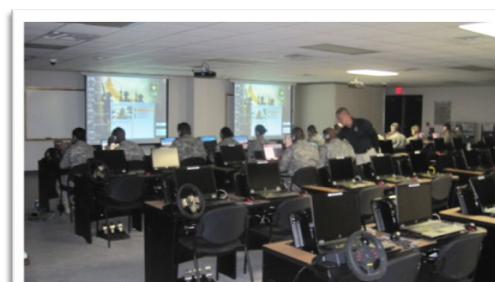


Fort Benning CIED Training

14th CSH CIED Constructive and Virtual Training

Members of the MCoE CIED Team conducted a Professional Development Class on IED Awareness to Soldiers assigned to B-Co 14th CSH here on Fort Benning. Training consisted of an IED Awareness Class, VBS2 familiarization, and Petting Zoo briefing. The purpose of the training event was to provide relevant information on enemy IEDs used in various theaters of operation and to update Soldiers on current TTPs being used by insurgents. In addition, Soldiers were instructed on the Five components of an IED, 5Cs, and counter-measures used to defeat the different types of devices. Inert IED devices and posters displaying current IED information about different IED types and categories were used to reinforce classroom instruction and to strengthen Soldier understanding of these deadly battlefield killers.

Upon completion of classroom instruction, Soldiers were broken down into groups and escorted through VBS2 familiarization training and a detailed IED Petting Zoo briefing. Topics covered during this phase of training included; React to a Possible IED, React to an IED Attack, Prepare for an IED Threat Prior to Movement, Submit Explosive Hazard Report (9-Line), 5Cs, and 5/25/200. Upon the completion of training, members of the MCoE CIED Team presented the unit with a set of seven IED shadow boxes and six table display boards for continued training at their unit. The MCoE CIED Team is here to provide any virtual or live CIED training; whether mounted or dismounted to any requesting unit.

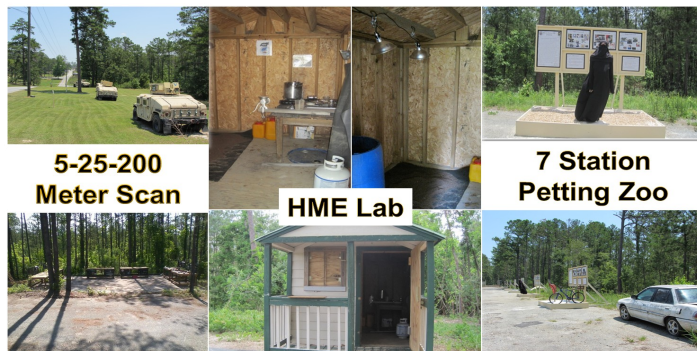




Available CIED Training

CONUS Replacement Center (CRC) CIED Training Lane

The MCoE CIED Team provides SME support to the IED training section at the CRC in an effort to assist with weekly CIED training provided to the Warfighters and DA civilians deploying to various OCONUS locations. This past month, we completed construction of the CRC seven-station IED Petting Zoo. It provides a global overview, current enemy TTPs in general, recommended actions, and currently fielded CIED enablers (i.e., Minehound HHD, Goldie HHD, THOR III, Man Portable Line Charge [MPLC], etc.) for the following devices: Homemade Explosives (HME), Vehicle Borne IED (VBIED) and Suicide Vehicle Borne IED (SVBIED), Personnel-Borne IED (PBIED), Victim Operated IED (VOIED), Command Wire IED (CWIED), Remote Controlled or Radio Controlled IED (RCIED), and Explosively Formed Penetrator (EFP)/Directional Focused Fragmentation Charge (DFFC). In addition to the IED Petting Zoo, members of the MCoE CIED Team fabricated a small mock HME lab and are currently incorporating it into the CRC IED training lane. Training initiatives are considered monthly including a Global IED Threat Update provided by the MCoE CIED Team to ensure both classroom and lane training incorporate current global trends. The CRC IED Training Section is tasked with providing individual deploying Warfighters to various OCONUS locations with a basic understanding of IED and Ground Sign Awareness. We will continue to assist the CRC with training and ensure they have access to all the resources available to them here at the MCoE.



5-25-200
Meter Scan

7 Station
Petting Zoo

HME Lab

“We cannot expect substantial progress in the fight against IEDs in Afghanistan until Pakistan takes responsibility for tracking and interdiction...This topic should be at the top of our agenda in every interaction with Pakistani officials.”

U.S. Senator Robert Casey, D-Pa.

From June 1, 2011, to May 31, 2012, there were 16,321 incidents, in which bombs exploded or were found before they detonated. The record for a calendar year was in 2011 when insurgents planted 16,554 bombs. About 86 percent of the attacks come from homemade explosives traced to Pakistan, according to JIEDDO.

CIED Training Tip

Man Portable Line Charge (MPLC) Familiarization Training

Conducting dismounted operations in today’s environment can be very dangerous for our Soldiers. In Afghanistan our Soldiers are issued one device that will increase their chances of survivability. The Man Portable Line Charge (MPLC) will aid our Soldiers in revealing IED Triggers and sometimes the device. Description of the MPLC from the Handbook:

The Man-Portable Line Charge (MPLC) is a lightweight, man-portable, rocket-launched explosive line-charge system that allows for safe breaching through a complex mined or trip-wired environment. The MPLC provides a precise, portable mine-clearing weapon system at the small tactical unit level that provides forces the ability to conduct clearing operations in urban and complex mined or trip-wired environments with immediate precision fire, from covered or concealed positions, thus increasing mobility and survivability.



The MPLC is not intended to defeat or detonate the IED itself. Any path created by the MPLC must be proofed before it is considered clear. The MPLC gives our Leaders an additional option when they are confronted with the indicators of a possible device.

The MCoE CIED Team can provide hands-on MPLC training for familiarization with the capability of supporting 20 personnel or Warfighters each class. (Click [here](#) to schedule your training request)





CIED Team Key Events

- Supported final development of DCT-MT MTT Pilot course.
- Provided IED Awareness/Threat updates for 198th IN BDE and 3/11 IN Regt OCS.
- Supported test lanes, and device construction for the JIEDDO sponsored Robotics Rodeo at McKenna MOUT site.

Path Forward

- Provide SME support for CIED related events, experiments, etc., conducted at the MCoE.
- Submit assessments and refinement recommendations of the CIED POIs to the MSCoE.
- Ensure the CONUS Replacement Center (CRC) training relevancy with monthly CIED updates and provide CIED subject matter expertise for training lane.
- Respond to RFIs regarding MCoE CIED training submitted by the Joint Services.
- Remain flexible, adaptive, and proactive in the team’s efforts to provide the latest relevant training to the Warfighter.

CIED Team “Behind the Scenes”

The team recently supported JIEDDO and the Maneuver Battle Lab during the Robotics Rodeo held at McKenna. The event was designed to demonstrate emerging robotic technologies that address capability gaps and allow the Services to identify technologies for rapid transition to overseas contingency operations. The CIED Team’s contribution included developing relevant IED scenarios for the “Detect” and “Disrupt” lanes and the construction of over 100 functional victim operated initiation systems for the challenges.



CIED Team Lead Comments

The threat of IEDs worldwide cannot be stressed enough. With the upheaval that started in Libya, the election crisis in Egypt, conflicts in Somalia and Yemen against government forces, to the armed rebellion of President Assad’s regime in Syria, the Improvised Explosive Device in all its deadly configurations continues to make front line news and demonstrate the proliferation of successful TTPs across international boundaries. Leaders and Trainers must insure that this threat is addressed in day to day events. Every day’s training can easily incorporate the opportunity to apply critical situational awareness skills and exercises to help the Warfighter practice establishing his environmental and operational base line. It is not without warrant that the IED has replaced Field Artillery as “King of the Battlefield”.

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 UTTP 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

Maneuver Center of Excellence KeyBridge Technologies CIED Team POCs

Tom Dale (Team Lead)
thomas.l.dale.ctr@mail.mil
 Cliff Repicky (Ops)
cliff.repicky.ctr@mail.mil
 Louis Francis (Training)
louis.j.francis.ctr@mail.mil
 Andrew Freeman (Analyst)
andrew.freeman1.ctr@mail.mil
 Samuel Molina (Analyst)
samuel.e.molina.ctr@mail.mil
 Tatiana Rivera (Analyst)
tatiana.r.rivera.ctr@mail.mil
 John J. Fairchild II (Analyst)
john.j.fairchild2.ctr@mail.mil
 Peter Black (Analyst)
peter.b.black.ctr@mail.mil
 Robert Perry (Analyst)
robert.p.perry1.ctr@mail.mil



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/dciied>
- Army CIED Professional Forum <https://forums.army.mil/SECURE/CommunityBrowser.aspx?id=131710&lang=en-US>

Featured Site: 2/19 IN BN Training Area



The 2/19 IN BN training area features:

- Dismounted “universal” Patrol lane
- Seven Station IED Petting Zoo
- Conveniently located near many units on Sand Hill
- Culvert
- Urban environment
- “Rough” surrounding terrain

The location is currently used by the 2/19th IN BN and scheduled through their Training Support representative. The current CIED Training concept employs a classroom room block of instruction that reinforces Mines Training Area instruction before conducting dismounted patrols.

Around the World

(IED topics from around the world)

