



“IEDs are a manifestation of a bigger problem—disruptive technology. The enemy has figured out how to arrest our technological advantage on a localized or temporal basis. Their combination of local attacks gives them potential for strategic advantage.” Lt. Gen. John D. Johnson, Director of JIEDDO

Volume 5, Issue 9

September 01, 2014

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

Each improvised explosive device (IED) event that happens around the world should remind us that it will remain a constant threat on the ever changing battlefield. Regardless if we are facing individuals or organized groups of terrorists, the fact remains that IEDs are easy to make and the results from any event have an everlasting psychological affect on anyone.

No matter the enemy or the location of our next battle, we must be prepared to face new tactics as well as old tactics. The enemy has shown us that sharing and educating its fighters is the key to defeating an organized, numerically superior, and well trained force with very little effort. We must never forget the lesson learned from the last 13 years of fighting. Education and training will only increase our chances of defeating the enemy and destroying his or her supply line.

Each Soldier should not just rely on their leaders to give them the knowledge and skills to survive the next fight only during training events. We have resources like [Warrior University](#), [JKnIFE](#), and [RAPID](#) to help educate our young Warfighters. These websites can also help shape our next training event and educate our Soldiers on the newest technology in order to find the device. We cannot go into the next fight with the wrong mindset that IEDs will not appear in this fight. IEDs are a condition on the battlefield that not only needs to be planned for, but they are the most dangerous condition that we need to incorporate into our collective training events.

The MCoE’s 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 life-saving training. Virtual Battle Space 3 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 preparation for upcoming training or deployments. The team can also help Units and Commanders identify effective training applications to help support C-IED learning during “white space” times or periods of budgetary restrictions.



IDF Soldier points out IEDs disguised as chicken coops in a basement of a house.



Improvised claymore mine discovered in Gaza

Fort Benning Technology

Vehicles provide our Soldiers with speed, mobility, and protection while traveling thru their operating environment. With our current capabilities, our Soldiers can only go so many places without risking a rollover or worse, a fatality.

The Joint Lightweight Tactical Vehicle by Lockheed Martin will take the place of the Highly Mobile Multi-purpose Wheeled Vehicle (HMMWV) and will provide the protection as well as the mobility needed to gain access to many places that a Mine Resistant Ambush Protection (MRAP) vehicle can. This vehicle design will also give us the air mobile lift capability by either the CH-47 or the CH-53. The first delivery was made in August of 2013.

[\(Learn More\)](#)



JLTV
JOINT LIGHT TACTICAL VEHICLE
CAPABILITY WITHOUT COMPROMISE.

14,000 LBS CURB WEIGHT
160,000+ COMBINED TESTING MILES
300+ MILE RANGE
88.9 m OPERATIONAL HEIGHT
4.76 m TRANSPORT HEIGHT
212.8 m LENGTH
84.5 m WIDTH
70+ MPH AT TACTICAL WEIGHT

CREW PROTECTION	HELICOPTER-PORTABLE	POWER GENERATION	AIR SUSPENSION	BEST VALUE
EXCEEDS THRESHOLD REQUIREMENTS FOR FORCE PROTECTION IN BLAST TESTS	LIGHT ENOUGH FOR THE CH-47 AND CH-53 TO LIFT	JLTV POWER GENERATION POTENTIAL: 75 kW GOVERNMENT REQUIRED MINIMUM: 10 kW	MINIMIZES ROAD SHOCK AND VIBRATION IMPROVES HANDLING, PROTECTION OF ELECTRONIC SYSTEMS AND CREW COMFORT	THE MOST CAPABILITY WITHIN THE TARGET COST JLTV vs. Small MRAP • 20% SUPERIOR FUEL EFFICIENCY • 4X HIGHER RELIABILITY

THE LOCKHEED MARTIN TEAM
LOCKHEED MARTIN | BAE SYSTEMS

PROVEN. READY.

www.lockheedmartin.com/jltv

Fort Benning C-IED Training Site Improvements

WHAT: The MCoE C-IED Team updated sand tables located at Leyte Field providing an additional training asset for Units using the HSTL.

WHEN: 29 Jul - 8 Aug 2014

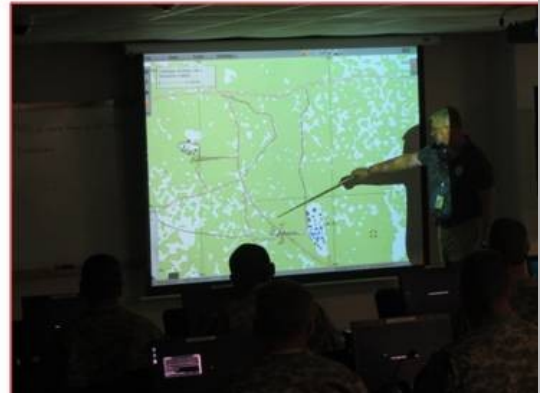
WHERE: Leyte Field

SUMMARY: Soldiers and Units can receive or conduct in-depth briefings concerning routes, buildings, and possible enemy strong points on the HSTL. Drill Sergeants or cadre can conduct familiarization/rehearsal briefings prior to VBSIII virtual training at the site or before an actual MRTC lane.

IMPACT: This asset provides additional realism for mission rehearsal as well as manages on site training time for those not engaged with VBSIII simulations focused on the HSTL.

FUTURE: The MCoE C-IED Team continues to help improve training by updating IED training aids with the most relevant information on IED threats as well as maximizing available training time while of site at Leyte Field.

Leyte Field Sand Table (HSTL)



MCoE C-IED Training “Snapshots”

Future Warfighters at the MCoE are introduced to the basics of C-IED and exposed to various Enablers, in many cases for the very first time to assist in rapid learning, long term retention, and providing an initial degree of familiarization with capabilities and employment concepts.



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.
- You will now find material related to the MCoE's C-IED Training Team, AtN, and DCT-MT.

SITUATION: IED attacks will be a part of the Operational Environment for the foreseeable future. In response the MCoE C-IED Team is developing training to replicate current threats and meet the objectives of TRADOC commanders.

WHO: Bravo 1/81st AR with support from the MCoE C-IED Training Support Team .

WHAT: FTX 3 lane which consists of a Mounted React to Contact mission.

WHEN: 28-31 July 2014

WHERE: KilBounre Range

SUMMARY: 112 Warriors received instructions on 5Cs, 5-0-25-200 m check and Mounted React to Contact Lane. Two UVIEDs were used to help the Warriors visualize and understand IEDs and their employment.

FUTURE: The C-IED Team continues to assist units in improving training scenarios by providing the most up to date information on IEDs and their use in the operational environment.

Bravo 1/81st AR FTX 3 Lane



E-Co 2/58th IN Battalion MRTC

SITUATION: IED attacks are a constant and ever evolving global threat. In response the MCoE C-IED Team is developing training to meet the objectives of TRADOC commanders.

WHO: Echo Company 2/58th IN and the MCoE C-IED Team.

WHAT: Gold Phase which consist of Mounted and Dismounted Rehearsal, and Mounted React to Contact lane.

WHEN: 22-23 July 2014

WHERE: Mail Foot /J6-7 Training Area

SUMMARY: The C-IED Team emplaced a Hoax IED and two pyrotechnic devices to replicate a live explosion. The explosion provides the Trainees with a realist experience.

FUTURE: The C-IED Team continues to assess relevant training strategy that improves training on the lanes.



C-IED Team Lead Comments

What once was old is new again, and just as deadly.

It is the devices themselves and how they're initiated in many cases that provide the ever evolving aspect of improvised explosive devices. People, groups, and countries that use IEDs are constantly on the lookout for new ways to get past security measures, Tactics, Techniques, & Procedures, and exploit natural human tendencies (humans ARE creatures of habit). This IS the "enduring" and consistently evolving aspect of this fight (requiring us to proactively develop adaptive training, performance measures and material countermeasures to the threat- the Never Ending Cycle).

During all this "Identify-Develop-Employ" cycle, the Warfighter must remain aware of the simple fact that what was developed initially by our adversaries still remains a relevant threat, despite all the gadgets, gizmos, and widgets fielded by a never tiring Research and Development effort. "Old School" doesn't mean ineffective. Take a quick trip back down memory lane if you will; remember your first C-IED class- the one with the slide that had the soft drink can with HME and a fuse? Though a very simple device, crude by the measure of many of today's devices, it is still very capable of killing or maiming the unwary or unprepared. This is a constant window of opportunity the adversary attempts to seek out and exploit.



Quick Links:

[RFMSS
Homepage](#)

[Waterborne IEDs](#)

[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](#)



Tom Dale



A device to be employed in Syria compared to a diagram of a device to be built in Dublin, Ireland in 1808. Notice the similarities.
Images from Standingwell back.com

Let's take a patrol back down memory lane again. Remember when IEDs came out with timers and/or were Victim Operated (VO). We put rollers on to defeat the VO and they went to Radio/Remote Controlled (RC) - (high-tech for them) to exploit weaknesses in our TTPs. We answered with Electronic Warfare suites to keep transmitters from talking to receivers. They in turn countered our high-tech solutions with Command Wire (CW) and VO devices, simple systems- coming full circle on that "Never Ending Cycle"; Low-tech to high-tech, back to low-tech and awaiting to exploit the next opportunity with whatever is necessary.

As we continue to move in and out of hotspots around the world, we would do well to remember the "IED developmental time line" upon departure, or old technologies once encountered.

Bottom line: lethal devices remain so against the unprepared and the best defense against this threat is knowledgeable, adaptive, proactive, and protected Warfighters.

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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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: EUCOM: 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.

Mines, IEDs and things that go “Boom”

As the reading audience is well aware, the IED has a long history of employment, from ancient China to modern day hot spots. Research and Development always working to provide the Warfighter tech solutions.



16th century German military manual.

Here we see an example from an era (16th Century Europe) gone by of what can be classified as a Hand Held Device Enabler (SPARKS...LOL) for a dismounted patrol .