







Negating Explosive Hazards through the use of Explosive Ordnance Disposal (EOD) Guns, Ammunition, Rockets and Missiles (GARM) Unconventional and Emerging Armament Systems (UEA)

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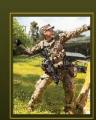












(U) Team PM CCS







- Manage 44% of the Army's conventional munition lethality
- 384 products: 316 Class V, 59 Class VII & 9 RDT&E
- Average 60 Contracting Actions/Year
- Oldest PMO in the US Army, 1961 "PM-Selected Ammunition"



Mission

Provide dominant and innovative lethal and protective capabilities for the Joint Warfighter through acquisition excellence

Vision

Skilled innovative team, empowered to deliver dominating close combat capabilities

(U) Team PM CCS







Provide dominant
and innovative lethal
and protective
capabilities for the
Joint Warfighter
through acquisition
excellence

ON EVERY MISSION



Project ManagerCOL Russell Hoff

Deputy PM

Joe Pelino



Chief, Product Support

Division Manager

Fred Willecke

Anita Polesky

Business



Director, Program Integration & International Division Michael O'Grady (Actq)



Manager, Technology Management Division

Rob Dressel (Actg)





Product Manager LTC Isaac Cuthbertson



Deputy PdMFrank
Altamura

Asst Product Manager(s)
MAJ Manuel Macias

Branch Chiefs
XM343 SAVO: Sean Stevens
TAC2: Eli Vainchenker



Asst Product Manager

MAJ John Pfromm

Tinesha Nicholas

G&PS Branch Chief

Product Director
David Millette

Product Director

Combat Armaments & Protection Systems



Deputy PD Don Palathinkal

Team Leads
Shoulder Launched: Aza Villar (Actg)
Grenades: Hugh MacMillan
Protection Systems: Derek DeReiter

Product Director Demolitions & Countermeasures



Product Director
Michael Burke (Actg)



Deputy PD Stephen McFarlane (Actg)

Asst Product Manager
MAJ Thomas Fite

Branch Chiefs
Pyrotechnics: Harvard Yuen
Demolitions: Phillyp Lawson

(U) PM CCS







Sustainment

0-5 Years FUE

5+ Years FUE

Current Products

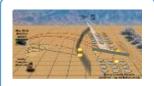












Explosive Breacher

MICLIC

M67 Grenade

APOBS



Management



✓ Denial Technologies



Payloads

Solid State Active Denial Technologies

RF RAMS

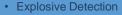


Simulators

New Products









XM919 - IAM



XM343 Standoff

Activated Volcano Obstacle

XM20/XM215

VOLCANO



Countermeasure Flares



AT4-TW

EOD Tool and Equipment Kit (ETEK)



















X-Ray Imager,

GOTS



Site Protection.



XM204



Buried IED Detection.

Render Safe Initiation,

and Detection,

Neutron Search Power Management, Unmanned Aerial System (UAS), COTS Development

(U) PD D&CM Demolitions / Breaching **Portfolio**







LANE BREACHING





Explosive Breacher Concept

Neutralization Payload Delivery System









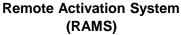
Detection System -UAS and Sensors



Neutralizer Warheads

DEMOLITION INITIATORS









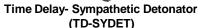


M6 Electric **Blasting Cap**



Modernized Demo Initiators (MDI)







M700 Time Fuse

DEMOLITION DEVICES







Cratering



PLASTIC EXPLOSIVES

COMP C-4





M303 BDK

(U) PD D&CM Pyrotechnics Portfolio







AVIATION AIRCRAFT EXPENDABLE COUNTERMEASURES















SIGNALS







TRAINING SIMULATORS















(U) PD D&CM Explosive Ordnance **Disposal Portfolio**







Small Caliber Dearmer (SCD) MK 38 MOD 0



Medium Directional



EOD Response Kit



Stand-Off Disrupter- Unexploded Ordnance Tool (SD-UXO) MK 40 MOD 0



Transmitter. Countermeasure



Transmitter, Countermeasure (TCM): AN/PLT-5

Smart Ray Vision

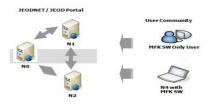
(SRV)



Hook and Line Kit



Decision Support System (DSS)



Stand-Off Disrupter IED Tool - PAN Disrupter



Render Safe -**Enhanced Robotic** Payloads



Highly Dexterous Manipulation System



Multi-shot Disrupor



Precision Aim Module

Render Safe - Sets. Kits and Outfits



X-Ray Imager, COTS



Buried IED Detection, COTS



X-Ray

COTS

Render Safe



Generator, Initiation, COTS Neutron Search and Detection. COTS



Dismounted Operations Protection, **GOTS**



Power Management, COTS



Trace Detection,



Low Light Visual COTS Augmentation System, COTS



Localized Incident Site Protection. Development



Unmanned Aerial System (UAS), COTS







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through the use of

Explosive Ordnance Disposal (EOD)
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(UEA)

(U) Explosive Ordnance Disposal (EOD)



Enablers





Seek

Buried IED Detection,

Smart Ray Vision (SRV)





X-Ray Imager,



Low Light Visual Augmentation System

Trace

Detection

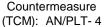


Unmanned Aerial System (UAS)



Gamma and Neutron Search and Detection

Transmitter. Transmitter, Countermeasure



MOS 89D Army Explosive Ordnance

Disposal (EOD) Specialist





JEODNET / JEOD Portal



Decision Support System (DSS)





Power Management

Negate

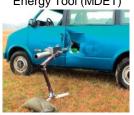
Small Caliber Dearmer (SCD) MK 38 MOD 0

X-Ray

Generator,



Medium Directional Energy Tool (MDET)



Stand-Off Disrupter- Unexploded Ordnance Tool (SD-UXO) MK 40 MOD 0





Render Safe Initiation



Hook and Line Kit

Localized

Incident Site

Protection



Stand-Off Disrupter IED Tool - PAN Disrupter



Render Safe - Enhanced Robotic Payloads



Highly Dexterous Manipulation System



Multi-shot Disruptor



Precision Aim Module

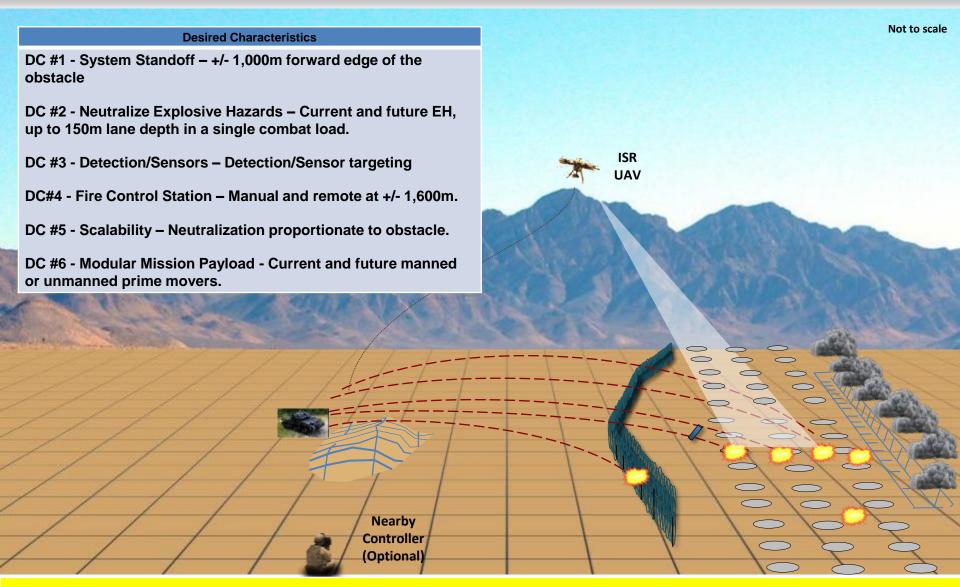
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(U) Next Generation Breaching Technologies









(U) TMRR Concept Demonstration Hardware







Detection



- Developed by DEVCOM C5ISR & Ft. Belvoir
- Supporting multiple customers including NGCV CFT (Project Convergence)
- FLIR SkyRaider R80D UAS
- Purpose-built electro-optical sensor with on-board processing, data storage, and optional laser designator / rangefinder capabilities

Launcher



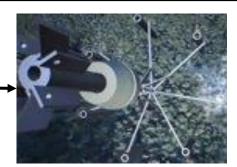
- Automated Direct/Indirect Mortar (ADIM) developed and demonstrated under S&T effort by DEVCOM AC in 2011-2014
- Fires 81mm Mortar munitions
- Modular (currently integrated onto a HMMWV)
- Recoil mitigation, on-board fire control with weapon auto-laying, and 20-round autoloader





Neutralizer Array





- Explosive Penetrator developed by DEVCOM AC and transitioned to Explosive Breacher Program of Record
- Packaging of penetrator array into 81mm form factor will be completed during TMRR
- Designed for compliance with Cluster Munition Policy
- Will investigate potential need for guidance (i.e. laser, GPS) during TMRR

(U) Next Generation Breaching Technologies







Seek

- UAS
- Manual & Automated control
- Multi-Spectrum Sensor Technologies
- Signal Processing Algorithms
- Small, light & energy efficient electronics

Enablers

- Secure Communications
- Precision Navigation & Timing (PNT)

MOS 12B Army Combat Engineer

Negate

- Stand-off Armament System
- Accurate Delivered Munition
- Neutralizer Payloads
- Multi-Fuze Conditions
- Directed Energy

(U) Explosive Hazards







Open Request to Industry and Other Government Agencies: What technologies can you provide?

NGBT Industry Day

18 Oct 2022

TMRR: FY22-24

Parsippany, NJ

EMD: 1QFY25

Solicitation notice:

https://sam.gov/opp/2769714a85194fd094f9793c84991b86

Contract Opportunity:

Next Generation Breaching Technology – Explosive Breacher (NGBT-EB)

Notice ID: W15QKN-22-Z-0QSP

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