Next Generation Breaching Technology

XM123: Ground Obstacle Breaching Lane Neutralizer (GOBLN)

ON EVERY MISSION

FACT SHEET:

Represented Desired Characteristics (DC)

DC #1 - System Standoff – +/- 1,000m forward edge of the obstacle

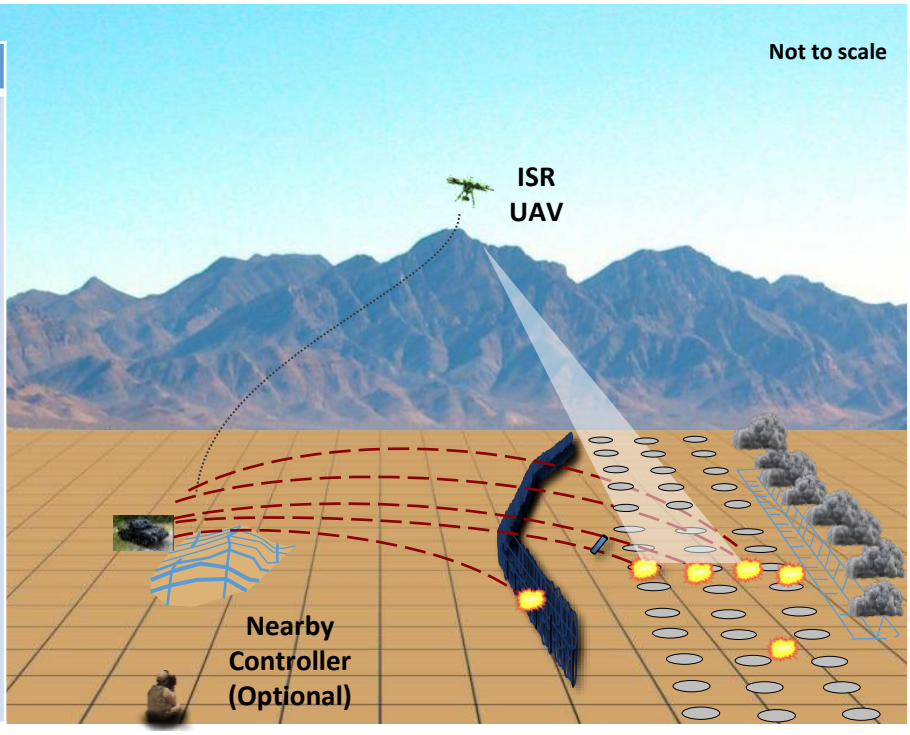
DC #2 - Neutralize Explosive Hazards – Current and future EH, up to 150m lane depth in a single combat load.

DC #3 - Detection/Sensors – Detection/Sensor targeting

DC #4 - Fire Control Station – Manual and remote at +/- 1,600m.

DC #5 - Scalability – Neutralization proportionate to obstacle.

DC #6 - Modular Mission Payload - Current and future manned or unmanned prime movers.



KEY FACTS:

- Current system architecture is based on Combat Capabilities Development Command Armaments Center (DEVCOM-AC) design. PM-CCS is evaluating other alternatives proposed by Industry.
- The Next Generation Breaching Technology, XM123: Ground Obstacle Breaching Lane Neutralizer (GOBLN), directly supports the Army of 2030 Mobility by performing a critical reduction of explosive, and non-explosive obstacles in the execution of penetration, disintegration, and exploitation in the close and deep maneuver areas.
- The XM123 GOBLN will be effective against enduring landmines and single impulse mines, as well as modern explosive hazards equipped with updated fuze and sensor technologies.

Capabilities/Characteristics:

- Modular Mission Payload (MMP) on current and future vehicle platforms, to include manned and unmanned vehicles (i.e. RCV, ABV, OMFV)
- Reliable, scalable, and capable of breaching complex obstacles that are a mix of man-made non-explosive and explosive obstacles
- Provide near real time Common Operating Picture updates
- Provides system standoff, effectively removing Soldiers from the breach

Stakeholders:

- U.S. Army / USMC
- PM CCS within Joint Program Executive Officer for Armaments and Ammunition
- Maneuver Support Center of Excellence
- Maneuver Center of Excellence
- Combat Capabilities Development Command Armaments Center
- Combat Capabilities Development Command C5ISR

Industry Partners:

- To Be Determined
- Program is currently in the Technology Maturation and Risk Reduction (TMRR) Phase

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