

Blast Overpressure Reduction Breaching Forms



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FACT SHEET:



Blast Overpressure Reduction (BOR) Form used in breaching operations with det cord or malleable explosive to reduce Soldiers & Instructor blast overpressure exposure by 20%-50%

KEY FACTS:

- Efforts underway to limit personnel exposure to overpressure during combat and training
- Preliminary testing shows a 20-50% reduction in Blast Overpressure due to more efficient charge designs and reduction to required net explosive weight (NEW)
- Current forms are 3-D printed, which could be done on in theater assets. Expectation is to use injection molding for large scale production.
- Looking to add by replacing item in current Blast Demo Kit; would be included in an Urban Breaching Kit (UBK) or Subterranean Breaching Kits (Sub-TBK)

Capabilities/Characteristics:

- Reduces Blast Overpressure by focusing effects and impeding blast pressure waveforms
- Supports multiple configurations of Det Cord (1-5 strands)
- Enhanced cutting effect or push effect (with tamping strip)
- Reduced Net Explosive Weight = "Do more with less"
- Light / Affordable / Modular
- Less assembly/prep time
- Intense User involvement in item design development

Stakeholders:

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

Industry Partners:

- TBD

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<https://jpeoaa.army.mil/Project-Offices/PM-CCS/>