OBJECTIVE

Design, fabricate, and demonstrate an integrated flash bang counter-personnel, non-lethal 81 mm mortar round to suppress personnel at range, minimizing collateral damage.

MILITARY RELEVANCE/OPERATIONAL IMPACT:

Materiel solution addresses multiple suppress, move, and deny non-lethal requirements.

Program will provide effects out to several kilometers from the existing 81 mm weapon system.

- Capability to suppress an area at range
- Standoff will meet Joint requirement

Partially integrated with existing systems. Limited documentation available. Engineering feasibility fully demonstrated in actual system application.

Technology Readiness Level (TRL) 6: System/ subsystem model or prototype demonstration in a relevant environment

Successful Tech Demo held at Aberdeen Proving Ground (APG) in December 2014.





Joint Non-Lethal Weapons Program in coordination with:

- Combat Development and Integration (CD&I): Requirements & Resource Sponsor
- Armament Research, Development and Engineering Center (ARDEC): Mortar cartridge design & integration
- Naval Surface Warfare Center, Indian Head Explosive Ordnance Disposal Technology Division (NSWC-IHEODTD): Fusing and Payload Development and Testing
- Human Effects Center of Excellence, 711th HPW/RHD—Human Effects and Characterization



Joint Non-Lethal Weapons Program (JNLWP) jnlwp.defense.gov

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81 mm Non-Lethal Indirect Fire Munition (IDFM)



Escalation of Force (EoF) Branch

Combat Development & Integration (CD&I)

> Marine Corps Combat Development Command (MCCDC)

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