



RDECOM

TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

U.S. Army Research, Development and Engineering Command

U.S. Army Research Laboratory

Lethality Technology Areas of Interest

Objective: To provide advance planning information regarding ARL Technology areas of interest. Note: The information provided is not a solicitation, a request for proposal or quotation, an invitation for bids or a broad agency announcement.

Requested Innovation: Scalable effects from non-lethal to lethal for incapacitating personnel

Description: The ability to scale effects can facilitate the appropriate use of force and eliminate undesired casualties or collateral damage to personnel in close proximity.

Technology Areas of Interest:

Effects that can scale from non-lethal to lethal have the potential to be helpful in non-combat as well as combat situations. Such situations may include

- Area denial movement by personnel within buildings, facilities or structures; in open areas; and on natural or man-made terrain.
- Incapacitate individuals or groups by distracting, disorienting, deceiving, seizing or rendering incapable of performing any activity.
- Clear facilities of individuals or hold individuals in place using non-lethal effects.

It is also desirable to launch these effects by hand or from a light weight portable firing device. Low-cost, small, lightweight fuzes and initiators are needed to tailor the yield and to scale response.

EDGE Call for Innovation (CFI)

“CFI ARL-Scalable Effects-008”