

of the target.

air drag of microcapsules.

etc." and "to identify feasible non-lethal chemical materials for further testing... for immobilizing adversaries". The photo at left is from a 2000 presentation by UDLP, SBCCOM, and Army Research Lab staff.

It shows wind tunnel tests conducted at Aberdeen Proving Grounds on on UDLP's mortar design.

Wind Tunnel Models

SBCCOM Vertical Wind Tunnel

• A mortar explosive shell. A ballistic shot of a mortar shell is executed above the target area, the shell explodes in mid-air, the payload is sprayed over the targets. An Unmanned Aerial Vehicle (UAV) can release the payload over the target area.

• A shotgun. The microcapsules are loaded in the cartridge. Upon firing the

powdery load of microcapsules impact weakly with the target. This is convenient

only at close range, because of the lack of accuracy of a shotgun and significant

Overhead Liquid Dispersion System (OLDS)

the sunshine project

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