



US DEPARTMENT OF DEFENSE

# BLAST INJURY RESEARCH PROGRAM COORDINATING OFFICE

## Blast Exposure Research Massive Blast Characterization

JTAPIC supported testing of intelligence-based massive vehicle borne IED and the threat they pose to facilities and personnel. Ongoing tests at Dugway Proving Grounds consisted of controlled detonation of explosive devices with 5,000 pounds, 15,000 pounds, 30,000 pounds, and 60,000 pounds of non-military grade explosives. Numerous customers were invited to participate and deploy equipment and sensors in order to assess the damage such blasts would incur. PEO Soldier collected blast pressure on dismounted and mounted troops and evaluated several mitigation technologies. Additionally the Engineering and Research Development Center, which is part of the Army Corps of Engineers, evaluated technologies they are developing in support of an ASA(ALT) initiative on base protection. These tests were the largest controlled detonations since the 1960s and the data collected will greatly enhance the understanding and ability to model large blast events.