



US DEPARTMENT OF DEFENSE

BLAST INJURY RESEARCH PROGRAM COORDINATING OFFICE

Protective Equipment

Project Manager Mine Resistant Ambush Protected (MRAP) Supplemental Blast Kit

The development of the Supplemental Blast Kit was sponsored by the US Army, the Army MRAP Program Office and developed along with Navistar Defense to provide greater protection against IEDs for the MaxxPro family of MRAP vehicles. In 2007, the Base MaxxPro MRAP was developed and rapidly fielded to theater. The program had Live Fire oversight by the DOT&E and was tested at Aberdeen Test Center in Aberdeen, MD. Subsequent to that fielding, a MaxxPro Survivability Upgrade (MSU) was developed and installed in theater to further increase the under-body protection of the MaxxPro vehicles. In FY14, the MRAP Program Office took an additional step and developed and tested the Supplemental Blast Kit (SBK), which is an addition to the proven performance of the MSU kit. The purpose of the SBK is to strengthen the driver's and commander's floor as well as the sidewall of the vehicle against a hull breach from UBB. These R&D efforts will increase blast protection and survivability for Service Members.