



US DEPARTMENT OF DEFENSE  
**BLAST INJURY RESEARCH PROGRAM**  
**COORDINATING OFFICE**

## Vehicle Improvement Studies

### Occupant-Centric Protection for Military Ground Vehicles

Department of Defense Military Standard-3058, Occupant-Centric Protection for Military Ground Vehicles, was published to the Acquisition Streamlining and Standardization Information System (ASSIST) database. ASSIST is a website used by standardization management activities to develop, coordinate, distribute, and manage defense and federal specifications and standards. Six military performance specifications were cited within the standard. These standards documents were created from the multitude of technical activities conducted for the Occupant Centric Platform Technology-Enabled Capability Demonstration (OCP TECD) program from December 2011 - December 2015. The OCP TECD was chartered by Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)) Science and Technology Advisory Group/Working Group in 2011 to meet the Army's current and future capability challenges. The program's objective was to provide optimal space allocation for Service members and their gear, while decreasing platform weight, maintaining or increasing maneuverability during full spectrum operations, and reducing casualties in underbody blast (UBB) events. The OCP TECD delivers four products: the concept for advanced military explosion-mitigating land demonstrator, two platform specific demonstrators, and occupant-centric design standards. The OCP TECD suite of documents includes standards and specifications necessary to implement the occupant-centric design philosophy. The intended users of these standards documents are the Program Executive Office; program managers; research, development, and engineering centers; defense industry; military ground vehicle manufacturers; and academia. The standards may be applied to future new vehicle acquisitions, legacy system upgrades, modifications to deployed military ground vehicles, and research activities related to occupant accommodation and survivability during an UBB event.

This standard presents occupant-centric design and UBB protection criteria for Military ground vehicles with full consideration given to the target population and their defined equipment to mitigate the risk of occupant injury.

