



US DEPARTMENT OF DEFENSE

# BLAST INJURY RESEARCH PROGRAM COORDINATING OFFICE

## Protective Equipment

### Product Manager Heavy Tactical Vehicle (PdM HTV) Heavy Equipment Transporter (HET) Urban Survivability Kit (HUSK)

The M1070 HET is a military logistics vehicle used to transport, deploy, and evacuate heavy military vehicles. The M1070 HET and M1000 semitrailer, together, comprise the Heavy Equipment Transporter System (HETS). The HETS is capable of transporting and evacuating vehicles as large as the M1 series battle tank on highways, unimproved roads, trails, and level cross-country terrain. The M1070A1 Heavy Equipment Transporter (HETA1), unarmored, was approved for Type Classification Standard and Full Material Release on 9 May 2012. Production of the HETA1 ended August 2014 with a couple thousand produced. PdM-HTV strives to continually improve the HETA1 fleet's protection level. That improvement comes in the form of the HUSK. The HUSK is an armored replacement cab for the HETA1 that provides the Service Member MRAP-level protection. The HUSK will provide increased protection for the cab occupants by including the latest protection technologies. PdM HTV and TARDEC began the development of the HUSK in 2014. The project advanced through Preliminary Design Review and Critical Design Review, successfully demonstrating that performance and cost requirements would be achieved. Modeling and simulation was used extensively through the design process. It was completed third-quarter FY15 and determined that the design would meet the desired protection levels. A HUSK production contract is targeted for FY18. The plan is to produce enough HUSKs to protect the current fleet meeting the 2014 Tactical Wheeled Vehicle Strategy initiative.