

Title: Super 40mm Ammunition Family

Abstract Text: General Dynamics – OTS has been working on the development of Super 40mm ammunition family ammunition since 2000. Initial development and testing was funded through the U.S. Government; however, since 2003 additional development and testing of fully functional Armor Piercing Fin Stabilized Discarding Sabot Tracer (APFSDS-T) and High Explosive Air Burst Tracer (HEAB-T) rounds has been performed using Internal Research and Development (IRAD) funding. This ammunition family functions in the Mk44 automatic gun system built by Alliant Tech Ground Systems in Mesa, AZ.

General Dynamics – OTS has been developing and testing the HEAB-T cartridge using a contact set, programmable, mid-body fuze with forward and aft high explosive bodies. The airburst fuze is scalable from 25mm – 50mm and shapes the future by reducing development and deployment time for other medium caliber weapon systems. The APFSDS-T cartridge uses advanced composite sabot technology coupled with a heavy weight tungsten penetrator and advanced propulsion solution to increase target defeat capability. These rounds combined offer a lethal ammunition family solution to the battle field.

During the conference, GD-OTS will present development progress and next step objectives for the ammunition.