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Title: Precision Guidance Kit (PGK) Program Update

Abstract Text: The XM1156 Precision Guidance Kit (PGK) represents the latest generation of fuzing & improved accuracy for artillery projectiles. It provides precision guidance (? 50 meters CEP) capability to the 155mm family of HE projectiles. This transforms the existing artillery inventory into affordable precision projectiles. PGK combines high-tech GPS guidance and control with traditional artillery fuzing capabilities, all while maintaining 90% of the projectile's maximum range. This increase in accuracy improves combat effectiveness, lethality and reduces the possibility of collateral damage. PGK will gain enhanced capabilities through spiral development. Increment 1 of the program is currently being developed by the Office of the Project Manager for Combat Ammunition Systems under contract with Alliant Techsystems of Plymouth, MN. Redundant electronic safety architecture controls all safety critical arming and functioning attributes. Future increments in this spiral development may potentially include 105 mm compatibility, standard artillery intrusion depth, increased precision and accuracy (improved CEP) and may include a state-of-the-art MEMS (Micro Electro-Mechanical Systems) command-to-arm S&A. PGK represents the future in precision artillery fuzing at an affordable price. This paper may include other initiatives in smart fuzing for Artillery and Mortars.