Reduce Target Defeat Time with Precision Engagement

The 81mm Precision Air-Dropped Guided Munition (ADM) system provides a fully integrated solution for weaponizing un-manned and manned aircraft.

• Complete Weapon System Solution for Tactical Class and Tier II UAS platforms including munition, carriage, and weapon ground control station:
  - 81mm GPS guided munition
  - Integrated smart rack carriage system
  - Standalone or integrated communication links

• Lightweight

• Minimal impact on UAS airframe

• Tactically proven

• On-Target precision < 10m

• Suitable for use in manned aircraft platforms

GENERAL DYNAMICS
Ordinance and Tactical Systems
81MM PRECISION AIR-DROPPED GUIDED MUNITION (ADM)
FOR UN-MANNED AND MANNED AIRCRAFT

ADM Features

• Patented Roll Controlled Fixed Canard (RCFC) Control System
  – No actuators, no linkages
  – Low power
  – Low cost
• SAASM GPS
• Existing M821 HE warhead, with uncompromised and known lethality
• US Army developed air-drop electronic fuze

Benefits

• Low cost guided weapon, for effective engagement against soft and lightly armored target sets
• Simple to install and operate
• Leverages existing UAS Communication links
• Provides soldier with reduced target defeat time in an all-in-one solution
• Reduced collateral damage with precision engagement
• Uses existing supply chain for cartridge round
• Guidance technology is scalable for other warhead classes and platforms

Tactical Rack & Weapon Control Station

• Airframe independent
• Fuselage or wing mounted
• Multiple racks with a single ground control system
• Self contained power supply and communication system
• Real-time GPS tracking independent of UAS and round
• Safety release features
• Weapon Control Station utilizes simple Graphic User Interface (GUI) – integrated with the Ground Control Station

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