



US Army Aviation and Missile Research,
Development, and Engineering Center

Lethal Miniature Aerial Missile System (LMAMS)

LMAMS is a Soldier-carried, Soldier-launched loitering precision weapon system, organic at the small unit level, that allows precision engagement of enemy combatants without exposing the Warfighter to direct enemy fire. The guided weapons systems fly to a specific coordinated position or are diverted with its wave-off capabilities to minimize collateral damage.

IMPORTANCE TO THE ARMY

AMRDEC assists in making proven critical component technologies available to potential vendors essential to Warfighter mission success. More than 40 AMRDEC engineers have developed and flight tested critical component technologies in its Small Organic Precision Munition Science & Technology Program to support the LMAMS requirement.

The six government-developed critical components are:

Image Stabilization and Autotracker - increased day/night target acquisition with reduced operator workload against personnel and soft targets in cluttered environments.

Secure Micro Digital Data Link - NSA-certified, secure, reliable data link over all flight trajectories. It can be used for up-to-Secret missions without the operator needing a security clearance to operate the system.

Laser Ranging Height of Burst Sensor - compact with accurate target proximity in obscured battlefield conditions.



Small Electronic Safety and Arming Device

- compact, safety-compliant, and optimized for unique arming environments and target sets.

Small Warhead - optimized lethality against threat personnel in the open and light vehicles. workload against personnel and soft targets in cluttered environments.

Power - reliable, increased endurance, low maintenance system operation in all temperature environments.

OUTLOOK FOR THE FUTURE

The Army Acquisition Executive has assigned Office of Primary Responsibility to Close Combat Weapons Systems (CCWS) for LMAMS.

The Maneuver Center of Excellence (MCoE) currently has the LMAMS Capability Development Document in Army staffing.

LMAMS is being fielded under Joint Urgent Operational Need Statements (JUONS), while CCWS and MCoE work to establish a program of record to fulfill enduring Army requirements.



AMRDEC

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