

# Extended Range Multipurpose (ERMP) Unmanned Aircraft System (UAS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## MISSION

To provide combatant commanders a real-time responsive capability to conduct long-dwell, persistent stare, wide-area reconnaissance, surveillance, target acquisition, communications relay, and attack missions.

## DESCRIPTION

The Extended Range Multipurpose (ER/MP) Unmanned Aircraft System (UAS) addresses the need for a long endurance, armed, unmanned aircraft system that offers greater range, altitude, and payload flexibility.

The ER/MP is powered by a heavy fuel engine (HFE) for higher performance, better fuel efficiency, common fuel on the battlefield, and a longer lifetime. Its specifications include the following:

**Length:** 28 feet

**Wingspan:** 56 feet

**Gross take off weight:** 3,200 pounds (Growth to 3,600 pounds)

**Maximum speed:** 150 knots

**Ceiling:** 25,000 feet

**Range:** 1,200 nautical miles via satellite communications (SATCOM)

**Endurance:** 30+ hours

The ER/MP UAS is fielded in company sets, consists of 12 multi-role aircraft (six with SATCOM); five Universal Ground Control Stations (UGCS); two portable ground control stations; five Tactical Common Data Link (TCDL) ground data terminals; two TC DL portable ground data terminals; one ground SATCOM system; four automatic takeoff and landing systems; 12 Electro-Optical/Infrared/Laser Designator (EO/IR/LD) payloads; 12 Synthetic Aperture Radar/Ground Moving Target Indicator (SAR/GMTI) payloads; and ground support equipment.

## SYSTEM INTERDEPENDENCIES

**Payloads:** PM-Robotic Unmanned Sensors (PM-RUS) provides the EO/IR and SAR/GMTI payloads; **Weapons:** PM-Joint Attack Munition Systems (PM-JAMS) provides Hellfire missiles; **Communications:** PM-Warfighter Information Network Terrestrial (PMWINT) provides communications relay payload

## PROGRAM STATUS

- **Current:** System development and demonstration

## PROJECTED ACTIVITIES

- **3QFY09:** Operational assessment
- **1QFY10:** Milestone C acquisition decision
- **4QFY11:** Initial operational test and evaluation

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Extended Range Multipurpose (ERMP) Sky Warrior Unmanned Aircraft System (UAS)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### Aircraft:

General Atomics, Aeronautical Systems  
Inc. (San Diego, CA)

#### Ground Control Station:

AAI (Hunt Valley, MD)

#### Tactical Common Data Link:

L-3 Communications (Salt Lake City, UT)

