

Extended Range Multi-Purpose (ERMP) Warrior Unmanned Aircraft System (UAS)

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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The Extended Range Multi-Purpose (ERMP) Warrior Unmanned Aircraft System (UAS) addresses the need for a long-endurance armed unmanned aerial system that offers greater range, altitude, and payload flexibility.

The Warrior is powered by a heavy fuel engine (HFE) for higher performance, better fuel efficiency, and a longer lifetime. Its specifications include the following:

Length: 28 feet

Wingspan: 54 feet

Gross take off weight: 3,000+ pounds

Maximum speed: 130 kts.

Ceiling: 25,000 feet

Range: 300 kilometers

Endurance: 24 hours with a 250-pound payload

One ERMP Warrior UAS configuration, fielded in company sets, consists of:

- Twelve multi-role air vehicles (six with SATCOM)
- Five One Station Ground Control Stations
- Two Portable Ground Control Stations
- Five Tactical Common Data Link (TCDL) Ground Data Terminals
- Two TCDL Portable Ground Data Terminals
- One Ground SATCOM system
- Four Automatic Takeoff and Landing Systems
- Payloads: 12 Electro-Optical/Infrared (EO/IR), 12 Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI)
- Ground support equipment

Program Status

- **Current:** System development and demonstration

Projected Activities

- **3QFY08:** Limited user test
- **4QFY08:** Milestone C acquisition decision
- **4QFY09:** Initial operational test and evaluation
- **2QFY10:** Initial operational capability

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Extended Range Multi-Purpose (ERMP) Warrior Unmanned Aircraft System (UAS)

FOREIGN MILITARY SALES

None

CONTRACTORS

Air vehicle:

General Atomics (San Diego, CA)

Ground control station:

AAI (Hunt Valley, MD)

Tactical common data link:

L-3 Communications (Salt Lake City, UT)

