

# Air Warrior (AW)

Enhances Army aircrew comfort, cockpit synergy, aircraft mission capability, and improve lethality, survivability, mobility, and sustainability through a new generation, integrated aircrew ensemble.



## DESCRIPTION AND SPECIFICATIONS

Air Warrior provides advanced life support, ballistic protection, and chemical/ biological protection in a single system comprising rapidly tailorable, mission-configurable modules. Air Warrior addresses interoperability and has leveraged several joint service technology efforts to effectively integrate all functions into a single system. The system maximizes safe aircraft operation and human performance while not encumbering the aircrew. Components include:

- Microclimate cooling system
- Digital connectivity and situational awareness
- Wireless intercom
- Aircraft platform interface
- Chemical and biological protection
- Body armor
- Survival and escape and evasion tools
- Overwater survival items

Improvements to the Air Warrior system are incrementally provided via a three-phased, evolutionary acquisition program to solve equipment shortcomings:

- Block 2 Electronic Data Manager (EDM) is a miniature computer worn on the pilot's leg that provides two-way situational awareness—Blue Force Tracking plus GPS-based moving map, and digital mission planning capability to current aircraft fleet.
- Air Warrior Modular Integrated Helmet Display System (MIHDS) will be a Block 3 advanced capabilities program.

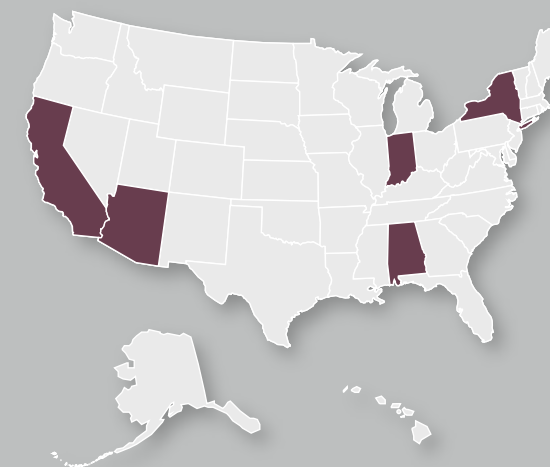
The Air Warrior system is the key ingredient to closing the performance gap that exists today between the aircrew and the aircraft. Air Warrior is answering the aviation warfighter challenges of today and tomorrow by developing affordable, responsive, deployable, versatile, lethal, survivable, and sustainable aircrew equipment.

## PROGRAM STATUS

- **3QFY04** Block 1 fielding continues to deploying units
- **3QFY04** completed design and limited safety of flight qualification testing of the Spiral 2 EDM hardware and software
- **3QFY04** Initiated voice encryption for Aircraft Wireless Intercom System (AWIS) program
- **4QFY04** Completed developmental and operational testing on AWIS non-secure system
- **4QFY04** System integrator contract awarded
- **1QFY05** EDM issued to deployed units as display for Blue Force Tracking-Aviation

## PROJECTED ACTIVITIES

- **2QFY05** Complete aircraft integration activities of the EDM on AH-64A, UH-60A/L, and CH-47D aircraft platforms
- **3QFY05** Perform formal developmental testing of the EDM on AH-64A, UH-60A/L and CH-47D aircraft platforms
- **1QFY06** Execute full rate production contract for the EDM



## CONTRACTORS

**Air Warrior:** General Dynamics (Phoenix, AZ); Carleton Technologies, Inc. (Orchard Park, NY); Simula (Phoenix, AZ); Raytheon (Indianapolis, IN); Westwind (Huntsville, AL), Telephonics Corp (Farmingdale, NY)  
**EDM:** Raytheon Technical Services (Indianapolis, IN); Secure Communications Systems, Inc. (Santa Ana, CA)

## INVESTMENT COMPONENT

Modernization

## ACQUISITION PHASE

- Concept and Technology Development
- System Development and Demonstration
- Production and Deployment