

Air Warrior (AW)

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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

Air Warrior (AW) provides advanced life support, ballistic protection, and chemical/ biological (CB) 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
- CB protection
- Body armor
- Survival and escape and evasion tools
- Overwater survival items

Improvements to the Air Warrior system are incrementally provided through an evolutionary acquisition program to solve equipment shortcomings. Components include the following:

- Block 2 Electronic Data Manager (EDM) is a miniature, knee-held computer 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 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

- **1QFY06:** Began full qualification testing of the Spiral 2 EDM hardware and software
- **2QFY06:** Production decision for the Spiral 2 EDM
- **2QFY06:** Began development of the Spiral 3 EDM
- **4QFY06:** Awarded encryption contract for Aircraft Wireless Intercom System (AWIS) program
- **1QFY07:** Block 1 and EDM fielding continues to deploying Operation Iraqi Freedom and Operation Enduring Freedom units

Projected Activities

- **4QFY07:** Qualify and begin fielding the Spiral 3 EDM
- **2QFY08:** Complete development of the encrypted AWIS
- **1QFY09:** Complete fielding of the EDM kit on AH-64A/D, OH-58D, and CH-47D aircraft
- **2QFY09:** Full rate production decision review for encrypted AWIS

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Air Warrior (AW)

FOREIGN MILITARY SALES

Australia

CONTRACTORS

Carleton Technologies, Inc.

(Orchard Park, NY)

Simula Aerospace and Defense Group, Inc.

(Phoenix, AZ)

Aerial Machine and Tool, Inc. (Vesta, VA)

Armor Holdings, Inc. (Ontario, CA)

Westwind Technologies, Inc.

(Huntsville, AL)

Raytheon Technical Services, Inc.

(Indianapolis, IN)

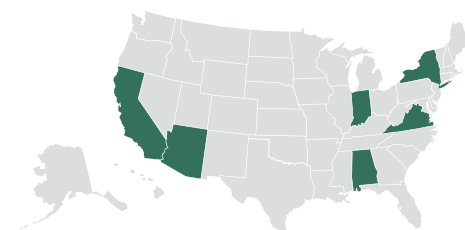
Secure Communications Systems, Inc.

(Santa Ana, CA)

Telephonics Corp. (Farmingdale, NY)

General Dynamics C4 Systems, Inc.

(Scottsdale, AZ)



WEAPON SYSTEMS 2007–2008

