

Air Warrior (AW)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Provides enhanced mission effectiveness, leveraging clothing and equipment to maximize aircrew member survivability.

DESCRIPTION

Air Warrior (AW) is a modular, integrated, rapidly reconfigurable combat aircrew ensemble that saves lives and maximizes Army aircrew mission performance. Previous aviation life support equipment consisted of a non-integrated assemblage of protective and survival gear. AW uses a systems approach to equipping the aircrew and closes the capability gap between human and machine. Fielded incrementally in blocks to rapidly provide enhanced capabilities to the warfighter, AW leverages and integrates clothing and equipment, such as the Army Aircrew Combat Uniform and ballistic protection from other Product Managers.

AW Block I provides:

- Survival Equipment Subsystem, which integrates first aid, survival, signaling, and communications equipment with body armor and over-water survival subsystems
- Microclimate Cooling System, which increases effective mission duration in heat-stress environments by more than 350 percent
- Aircrew Integrated Helmet System, a lighter helmet with increased head and hearing protection

AW Increment III:

- Electronic Data Manager (EDM), a portable digital-mission planning device for over-the-horizon messaging and enhanced situational awareness capabilities through connectivity to Blue Force Tracking, Aviation
- Aircraft Wireless Intercom System (AWIS) for secure cordless, hands-free aircrew communications
- Survival Kit, Ready Access, Modular (SKRAM) Go-Bag with integrated hydration
- Portable Helicopter Oxygen Delivery System, a Soldier-worn supplemental breathing oxygen system for high-altitude operations

- Communication Enhancement and Protection System (CEPS) provides helmet hear-through capability

SYSTEM INTERDEPENDENCIES

In this Publication

Force XXI Battle Command Brigade and Below (FBCB2), Black Hawk/UH-60, Joint Battle Command-Platform (JBC-P), Soldier Body Armor, CH-47F Chinook, Army Key Management System (AKMS), Kiowa Warrior, Light Utility Helicopter (LUH)/UH-72A Lakota, Longbow Apache (AH-64D) (LBA), Modernized UH-60 Black Hawk

Other Major Interdependencies

Fixed Wing

PROGRAM STATUS

- **FY09:** Fielded Air Warrior Increment III systems
- **FY10:** Fielding of the CEPS and SKRAM

PROJECTED ACTIVITIES

- **FY11:** Continue fielding and reset of Air Warrior to units prior to deployment

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Air Warrior (AW)

FOREIGN MILITARY SALES

Australia, Bahrain, Canada, United Arab Emirates

CONTRACTORS

Telephonics Corp. (Farmingdale, NY)
 General Dynamics C4 Systems, Inc. (Scottsdale, AZ)
 BAE Systems (Phoenix, AZ)
 Aerial Machine and Tool Corp. (Vesta, VA)
 Westwind Technologies Inc. (Huntsville, AL)
 Carleton Technologies Inc. (Orchard Park, NY)
 Med-Eng Systems Inc. (Ogdensburg, NY)
 Raytheon Technical Services (Indianapolis, IN)
 Secure Communication Systems Inc. (Santa Ana, CA)
 US Divers (Vista, CA)
 CEP Inc. (Enterprise, AL)
 Science and Engineering Services, Inc. (SESI) (Huntsville, AL)
 Gibson and Barnes (Santa Clara, CA)
 Oxygen Generating Systems International (Buffalo, NY)
 Gentex Corp. (Rancho Cucamonga, CA)
 Mountain High Equipment and Supply Co. (Redmond, OR)
 Taylor-Wharton (Huntsville, AL)

