

Kiowa Warrior

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Performs aerial reconnaissance and security in support of ground maneuver forces.

DESCRIPTION

The Kiowa Warrior is a single-engine, two-man, lightly armed reconnaissance helicopter with advanced avionics, navigation, communication, weapons, and cockpit integration systems. Its mast-mounted sight houses a thermal imaging system, low-light television, and a laser rangefinder/designator permitting target acquisition and engagement at standoff ranges and in adverse weather. Sensor imagery from compatible Unmanned Aerial Systems and manned aircraft can be received and relayed to other aircraft or ground stations. The navigation system can convey precise target locations to other aircraft or artillery via its advanced digital communications system. Modifications to address safety, obsolescence, and weight will keep the aircraft viable beyond FY25. The Cockpit and Sensor Upgrade Program is the Program of Record that will convert the OH-58D into the OH-58F

Kiowa Warrior; addressing additional capabilities, safety enhancements, weight reduction and obsolescence issues. Additionally, the Kiowa Warrior Wartime Replacement Aircraft program addresses attrition with delivery of new aircraft.

SYSTEM INTERDEPENDENCIES

In this Publication

2.75 Inch Rocket Systems (Hydra), HELLFIRE Family of Missiles, Air Warrior (AW), Aviation Combined Arms Tactical Trainer (AVCATT), Shadow Tactical Unmanned Aerial Vehicle (TUAV), Global Command and Control System–Army (GCCS-A), Distributed Common Ground System–Army (DCGS-A), Single Channel Ground and Airborne Radio System (SINCGARS)

Other Major Interdependencies

M3P .50 Caliber Machine Gun, Common Sensor Payload, ARC-231, BFT, CXP (APX-118), CXP ((APX-123), IDM, AMPS

PROGRAM STATUS

- **1QFY12:** OH-58D Kiowa Warrior Fielding Single Channel Full Authority Digital Electronic Control improvements
- **2QFY12:** OH-58F Kiowa Warrior Cockpit and Sensor Upgrade Program Critical Design Review (CDR)
- **3QFY12:** First Wartime Replacement Aircraft delivery from Corpus Christi Army Depot
- **4QFY12:** OH-58F Kiowa Warrior complete prototype build of first OH-58F aircraft

PROJECTED ACTIVITIES

- **3QFY13:** OH-58F prototype aircraft first flight
- **1QFY15:** OH-58F Kiowa Warrior Limited User Testing

ACQUISITION PHASE

Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support
------------------------	---	-------------------------	----------------------

Kiowa Warrior

FOREIGN MILITARY SALES

None

CONTRACTORS

Airframe:

Bell Helicopter Textron (Fort Worth, TX)

Sensor (OH-58D):

DRS Optronics Inc. (Palm Bay, FL)

Sensor (OH-58F):

Raytheon (McKinney, TX)

Engine:

Rolls Royce Corp. (Indianapolis, IN)

Mission Computer:

Honeywell (Albuquerque, NM)

Cockpit Displays:

Elbit Systems of America (Fort Worth, TX)

