

# 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. It provides anti-armor and anti-personnel capabilities at standoff ranges. The Army is currently installing modifications to address safety, obsolescence, and weight to keep the aircraft viable through its projected retirement date of FY25.

Additionally, the Army has started an aircraft replacement program to address Kiowa Warrior losses.

## SYSTEM INTERDEPENDENCIES

### In this Publication

2.75 Inch Rocket Systems (Hydra-70), HELLFIRE Family of Missiles

### Other Major Interdependencies

M3P .50 Caliber Machine Gun, various communications, navigation, and weapons systems

## PROGRAM STATUS

- **1QFY11:** OH-58D KW begin fielding Level II Manned Unmanned Teaming
- **1QFY11:** OH-58F KW CASUP successful Milestone B
- **2QFY11:** OH-58D KW first production modifications of Common Missile Warning System-equipped Kiowa Warrior aircraft
- **2QFY11:** OH-58F KW CASUP Preliminary Design Review (PDR)
- **3QFY11:** WRA Delivered Pilot KW cabin from Bell Helicopter to CCAD
- **4QFY11:** OH-58D KW complete Safety Enhanced Program (SEP) lot 13; program completion

- **4QFY11:** OH-58D KW begin Fielding Single Channel FADEC improvements
- **4QFY11:** OH-58F KW began structural modifications on first KW CASUP test aircraft

## PROJECTED ACTIVITIES

- **2QFY12:** OH-58D KW begin fielding of Reduced Weight Missile Launcher (HELLFIRE) and Composite Universal Weapons Pylon
- **2QFY12:** OH-58F KW CASUP Critical Design Review (CDR)
- **4QFY12:** First Wartime Replacement Aircraft delivery from CCAD
- **4QFY12:** OH-58F KW complete prototype build of first CASUP configured aircraft

## ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

## Kiowa Warrior

### FOREIGN MILITARY SALES

Taiwan

### CONTRACTORS

#### Airframe:

Bell Helicopter Textron (Ft. Worth, TX)

#### Sensor:

DRS Optronics Inc. (Palm Bay, FL)

#### Engine:

Rolls Royce Corp. (Indianapolis, IN)

#### Mission Computer:

Honeywell (Albuquerque, NM)

#### Cockpit Displays:

Elbit Systems of America (Ft. Worth, TX)

