

Black Hawk/UH-60

INVESTMENT COMPONENT

Modernization (UH-60M)

Recapitalization (UH-60 A-A/L)

Maintenance

MISSION

To provide air assault, general support, aero-medical evacuation, command and control, and special operations support to combat, stability, and support operations.

DESCRIPTION

The Black Hawk (UH-60) is the Army's utility tactical transport helicopter. The versatile Black Hawk has enhanced the overall mobility of the Army due to dramatic improvements in troop capacity and cargo lift capability. It will serve as the Army's utility helicopter in the Future Force. There are four basic versions of the UH-60: the original UH-60A; the UH-60L, which has greater gross weight capability, higher cruise speed, rate of climb, and external load; the UH-60M, which includes the improved GE-701D engine and provides greater cruising speed, rate of climb, and

internal load than the UH-60A and L versions; and the UH-60M P3I Upgrade, which includes the Common Avionics Architecture System, and fly-by-wire and Full Authority Digital Engine Control upgrade to the GE-701D Engine. On the asymmetric battlefield, the Black Hawk enables the commander to get to the fight quicker and to mass effects throughout the battlespace across the full spectrum of conflict. A single Black Hawk can transport an entire 11-person, fully equipped infantry squad faster than predecessor systems and in most weather conditions. The Black Hawk can reposition a 105mm howitzer, its crew of six, and up to 30 rounds of 105mm ammunition in a single lift. The aircraft's critical components and systems are armored or redundant, and its airframe is designed to crush progressively on impact, thus protecting crew and passengers. The Army has put programs into place to extend the life of the UH-60 by providing it with the capabilities needed on the future battlefield. The UH-60M upgrade program will incorporate a digitized cockpit and improved handling characteristics, and

will extend the system service life. The UH-60A-A/L recapitalization and rebuild program will be applied to a number of older aircraft while awaiting introduction of UH-60M aircraft into the fleet.

SYSTEM INTERDEPENDENCIES

Advanced Threat Infrared Countermeasures (ATRICM), Common Missile Warning System (CMWS), Air Warrior, Blue Force Tracker (BFT), and Joint Tactical Radio System (JTRS)

PROGRAM STATUS

- **1QFY08:** UH-60M multiyear VII award
- **2QFY08:** UH-60M first-unit equipped
- **4QFY08:** UH-60M upgrade first flight
- **4QFY08:** UH-60M upgrade customer test

PROJECTED ACTIVITIES

- **1QFY10:** UH-60M upgrade limited user test
- **2QFY10:** UH-60M upgrade low-rate production contract award

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Black Hawk/UH-60

FOREIGN MILITARY SALES

UH-60M: Bahrain, UAE

CONTRACTORS

UH-60M:

Sikorsky (Stratford, CT)

UH-60M Upgrade Development:

Sikorsky (Stratford, CT)

701D Engine:

General Electric (Lynn, MA)

CAAS Software:

Rockwell Collins (Cedar Rapids, IA)

Flight Control:

Hamilton Sundstrand (Windsor Locks, CT)



	UH-60A	UH60L	UH60M	UH 60M P31 Upgrade
MAX GROSS WEIGHT (pounds):	20,250	22,000	22,000	22,000
CRUISE SPEED (knots):	149	150	152	152
RATE CLIMB (feet per minute):	814	1,315	1,646	1,646
ENGINES (2 each):	GE-700	GE-701C	GE-701D	GE-701D
EXTERNAL LOAD (pounds):	8000	9,000	9,000	9,000
INTERNAL LOAD (troops/pounds):	11/2, 640	11/2, 640	11/3, 190	11/3, 190
CREW:	two pilots, two crew chiefs			
ARMAMENT:	two 7.62mm machine guns			

