

Black Hawk/UH-60

INVESTMENT COMPONENT

Modernization (UH-60M)

Recapitalization (UH-60 A-A/L)

Maintenance

MISSION

Provides air assault, general support, aeromedical 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 multiple versions of the UH-60 Black Hawk: the original UH-60A; the UH-60L, which has greater gross weight capability, higher cruise speed, rate of climb, and external load; and 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. During FY10 the Army decided to continue only with developmental testing of the UH-60M P3I Upgrade components, including Common Avionics Architecture System, fly-by-wire flight controls and full authority digital engine control upgrade to the GE-701D Engine.

There are also dedicated Medical Evacuation (MEDEVAC) versions of the UH-60 Black Hawk: the HH-60A, HH-60L and HH-60M each include an integrated MEDEVAC Mission Equipment Package (MEP) kit, providing day/night and adverse weather emergency evacuation of casualties.

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 UH-60M is a digital networked platform with greater range and lift to support maneuver Commanders through air assault, general support command and control, and aeromedical evacuation. Full rate production for the new-build UH-60M began in 2007 and the UH-60M is currently employed in a second combat rotation.

SYSTEM INTERDEPENDENCIES

In this Publication

Advanced Threat Infrared Countermeasure/Common Missile Warning System (ATIRCM/CMWS), Air Warrior (AW), Joint Tactical Radio System Multifunctional Information Distribution System (JTRS MIDS)

Other Major Interdependencies

Blue Force Tracker (BFT)

PROGRAM STATUS

- **FY08:** Multi-service/multi-year VII contract award
- **FY08:** UH-60M first unit equipped
- **FY08:** UH-60M P3I upgrade first flight
- **Current:** Production and fielding of UH-60M and HH-60M aircraft

PROJECTED ACTIVITIES

- **Continue:** Production and fielding of UH-60M and HH-60M aircraft
- **FY12:** Multi-service/multi-year VIII contract award

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Black Hawk/UH-60

FOREIGN MILITARY SALES

UH-60M:

Bahrain, Mexico, United Arab Emirates

UH-60L:

Brazil, Colombia, Egypt, Jordan, Saudi Arabia, Thailand

CONTRACTORS

UH-60M:

Sikorsky (Stratford, CT)

701D Engine:

General Electric (Lynn, MA)

Multi-Function Displays:

Rockwell Collins (Cedar Rapids, IA)

Flight Controls:

Hamilton Sundstrand (Windsor Locks, CT)



	UH-60A	UH60L	UH60M
MAX GROSS WEIGHT (pounds):	20,250	22,000	22,000
CRUISE SPEED (knots):	149	150	152
RATE CLIMB (feet per minute):	814	1,315	1,646
ENGINES (2 each):	GE-700	GE-701C	GE-701D
EXTERNAL LOAD (pounds):	8,000	9,000	9,000
INTERNAL LOAD (troops/pounds):	11/2,640	11/2,640	11/3,190
CREW:	two pilots, two crew chiefs		
ARMAMENT:	two 7.62mm machine guns		

