

Chinook/CH-47 Improved Cargo Helicopter (ICH)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

To conduct air assault, air movement, mass casualty evacuation, aerial recovery, and aerial resupply across the full spectrum of operations.

DESCRIPTION

The Chinook/CH-47F Improved Combat Helicopter (ICH) upgrade program for the current CH-47D fleet will extend the service life of the current cargo helicopter fleet by an additional 20 years. The program includes the production of new aircraft and the remanufacture of CH-47Ds in the current fleet to meet the total Chinook fielding requirement of 513 aircraft. Both new and remanufactured CH-47F ICHs incorporate new monolithic airframes, a digital cockpit, a digital automatic flight control system, and improvements to reliability and maintainability. They provide an avionics architecture compliant with the DoD Information Technology Standards and Profile Registry (DISR), interoperability with DoD systems, and compliance with emerging Global Air Traffic Management requirements.

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

- **2QFY07:** Complete initial operational testing
- **4QFY07:** First-unit equipped
- **1QFY08:** Multi-year procurement contract award

PROJECTED ACTIVITIES

- **4QFY19:** CH-47F fielding complete

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Chinook/CH-47 Improved Cargo Helicopter (ICH)

FOREIGN MILITARY SALES

None

CONTRACTORS

Aircraft:

Boeing (Philadelphia, PA)

Cockpit upgrade:

Rockwell Collins (Cedar Rapids, IA)

Engine upgrade:

Honeywell (Phoenix, AZ)

Extended range fuel system:

Robertson Aviation (Tempe, AZ)



MAX GROSS WEIGHT:	50,000 pounds
MAX CRUISE SPEED:	170 knots/184 miles per hour
TROOP CAPACITY:	36 (33 troops plus 3 crew members)
LITTER CAPACITY:	24
SLING-LOAD CAPACITY:	26,000 pounds center hook 17,000 pounds forward/aft hook 25,000 pounds tandem
MINIMUM CREW:	3 (pilot, copilot, and flight engineer)

