

CH-47F Chinook

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Supports a full spectrum of operations including disaster relief, homeland defense and security, and current overseas contingency operations with a Future Force system design.

DESCRIPTION

The CH-47F Chinook is the Army’s only heavy-lift cargo helicopter, supporting combat operations and many other critical operations other than war. The CH-47F aircraft has a suite of improved features such as an upgraded digital cockpit featuring the Common Avionics Architecture System (CAAS), a new monolithic airframe with vibration reduction, and the Digital Automatic Flight Control System (DAFCS), which provides coupled controllability for operations in adverse environments (reduced visibility, brown out, high winds). The CH-47F’s common cockpit enables multiservice digital compatibility and interoperability for improved situational awareness, mission performance, and survivability, as well as future growth potential. The CH-47F has an empty weight of 24,578 pounds and a maximum gross weight of 50,000

pounds. The CH-47F can lift intra-theater payloads up to 16,000 pounds in high/hot environments.

- **Max gross weight:** 50,000 pounds
- **Max cruise speed:** 160 knots
- **Troop capacity:** 36 (33 troops plus 3 crew members)
- **Litter capacity:** 24
- **Slingload capacity:** 26,000 pounds center hook, 17,000 pounds forward/ aft hook, 25,000 pounds tandem
- **Minimum crew:** 3 (pilot, copilot, and flight engineer)

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

ARC-231, BFT, CXP (APX-118), CXP (APX-123), IDM, AMPS

PROGRAM STATUS

- **2QFY07:** Complete Initial Operational Testing
- **4QFY07:** First unit equipped
- **1QFY08:** Multiyear procurement contract award
- **3QFY10:** Six units equipped

PROJECTED ACTIVITIES

- **FY13:** Multiyear II contract award
- **1QFY18:** CH-47F fielding complete

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

CH-47F Chinook

FOREIGN MILITARY SALES

Australia

CONTRACTORS

Aircraft and Recap:

Boeing (Philadelphia, PA)

Engine:

Honeywell (Phoenix, AZ)

Software:

Rockwell Collins (Cedar Rapids, IA)

Engine Controls:

Goodrich (Danbury, CT)

