

UH-60V Black Hawk Digital Cockpit



The Army completed IOT&E II on the UH-60V on August 8, 2022. Evaluation of test data is ongoing. Early observations from IOT&E II are positive. The Army addressed most of the faults and recommended corrective actions found during IOT&E I in 4QFY19.

SYSTEM DESCRIPTION

The UH-60V Black Hawk is designed to update the existing UH-60L analog architecture to a digital infrastructure enabling a Pilot-Vehicle Interface (PVI) similar to the UH-60M. The program will address current capability gaps while employing an evolutionary acquisition approach to leverage mature technologies that have been successfully integrated on other military aircraft, such as the

FlightPro Gen III Mission Computer from the Marines H-1 program.

MISSION

Units equipped with UH-60V aircraft will conduct air assault, air movement, aerial command and control (C2), and aerial MEDEVAC missions. Garrison units equipped with the UH-60V will execute garrison support missions, training and training support, and test support. The UH-60V has two pilots assisted by two crew chiefs in the

rear cabin. Aircraft and their crews are employed individually, in multi-ship formations, or as a company, as required by the unit mission.

PROGRAM

The UH-60V is an Acquisition Category II effort. The original Acquisition Program Baseline (APB) was approved in 2014 and with an APB revision in December 2020. DOT&E approved the updated Test and Evaluation Master Plan on October 27, 2021. The Army

completed IOT&E II on August 8, 2022. The Army is anticipating a Full-Rate Production decision in 2QFY23.

» MAJOR CONTRACTORS

- Development and Engineering: Redstone Defense Systems – Huntsville, Alabama
- Avionics Enhancements: Northrup Grumman – Woodland Hills, California

TEST ADEQUACY

In 2019, the Army conducted IOT&E I, which was not adequate due to the software, hardware, and production process not being production representative. The Army completed an Adversarial Assessment on the UH-60V from 7-18 March 2022 at Redstone Arsenal, Huntsville, Alabama. It completed IOT&E II from July 25

to August 8, 2022 at Fort McCoy, Wisconsin to inform a future Full-Rate Production decision. Operational testing was conducted in accordance with the DOT&E-approved test plan, and observed by DOT&E. Evaluation of test data is ongoing.

PERFORMANCE

» EFFECTIVENESS

Assessment of the UH-60V operational effectiveness is pending completion of IOT&E II evaluation. Early observations indicate that the program has corrected many of the faults found during IOT&E I in 4QFY19. The IOT&E II report will be completed in 1QFY23.

» SUITABILITY

Assessment of the UH-60V suitability is pending completion

of IOT&E II evaluation. Early observations indicate that the program has corrected many of the faults found during IOT&E I in 4QFY19. The IOT&E II report findings will be completed in 1QFY23.

» SURVIVABILITY

Assessment of the UH-60V survivability is pending completion of IOT&E II analysis. The IOT&E II report findings will be completed in 1QFY23.

RECOMMENDATION

The Program Manager should:

1. Address the recommendations that will be contained in the IOT&E II report.