

Black Hawk Maintenance Training

Commands across the nation have employed Kratos training solutions to assure their UH-60 Black Hawk systems perform optimally and are ready to meet mission requirements at all times. Kratos solutions have been instrumental in helping soldiers and technicians master maintenance skills ranging from avionics and electronics to powerplant and hydraulics.

Kratos fully supports the U.S. Army's "crawl-walk-run" training strategy by developing and manufacturing solutions across the maintenance continuum, from basic introductions through advanced troubleshooting. These include highly-realistic gaming and simulation-based Interactive Media Instruction courseware (IMI) through Part-Task Trainers and high-fidelity Full-Task Training Systems.



Kratos Has Designed & Delivered More Than A Dozen Black Hawk Solutions

- A** **Black Hawk Remove and Replace Trainer (BHRRT)** is a full-task trainer focused on developing complete skills in rotor and transmission systems maintenance.
- B** **Black Hawk Avionics Trainer (BHAT)** is a full-fidelity, full task training system for teaching, practicing and evaluating basic fault isolation and maintenance of avionics and associated subsystems.
- C** **Black Hawk Basic Avionics Wiring Systems Trainer (BAWST)** is a standalone, full-sized replica of the cockpit and nose section for developing knowledge of basic wire maintenance and troubleshooting procedures of communication and navigation systems.
- D** **Black Hawk Landing Gear Trainer (LGT)** is a standalone, full-sized replica of the cockpit and nose section for developing knowledge of basic wire maintenance and troubleshooting procedures of communication and navigation systems.
- E** **Black Hawk Aviation Basic Electronics Trainer (ABET)** provides a cost-effective solution for basic electronics system familiarization, component identification, servicing Maintenance Operational Checks (MOCs), Fault Isolation Procedures (FIPs) and troubleshooting.
- F** **Black Hawk Rotor Brake Trainer (RBT)** prepares the Black Hawk maintenance personnel by training them in the operation, troubleshooting and repair of the UH-60M Rotor Brake System.
- G** **Black Hawk Stabilator Trainer (BST) Part Task Trainer** was designed to train the 15T 10/30 maintainer to support the UH-60M Tail Rotor Drive and Stabilator Systems.
- H** **Black Hawk Electrical Systems Trainer (BEST)** is an IMI for Electrical Systems training that features high-quality 3D graphics to perform operational checks and troubleshooting tasks using a powerful but economical PC environment.
- I** **Black Hawk Tail Rotor and Drive Systems (TRADS)** is an advanced Tail Rotor and Drive Systems IMI that includes lessons to teach power train system principles and descriptions, maintenance procedures, service, inspections, operational checks and troubleshooting.
- J** **Black Hawk Cockpit Procedural Trainer (CPT)** IMI that provides basic procedures training for startup and shutdown processes including integration of switchology, systems operations and procedures training.
- K** **POWER PLANT** is an IMI that teaches engine system principles and descriptions, maintenance procedures, service, inspections, operational checks and troubleshooting, including On-Aircraft Inspections.
- L** **Black Hawk Automatic Flight Control System (AFCS)** is an IMI and electronic classroom program for Automatic Flight Control System maintenance covering Analog Stability Augmentation Units, Digital Automatic Flight Control Units and Stabilator elements.
- M** **Black Hawk Hydraulics & Flight Controls (HYDS & FLYS)** are a suite of integrated IMIs incorporating lessons and 3D remove-and-replace exercises that teach Hydraulics and Flight Control system principles and descriptions, maintenance procedures, inspections, operational checks and troubleshooting.

The Right Blend of Media for Maximum ROI

Kratos takes an inclusive, end-to-end view towards assisting commands in meeting their training goals. Using the most advanced technologies including; interactive simulation, gaming, web-based courseware, physical trainers, as well as traditional instructor-led and classroom delivery methods, Kratos specializes in identifying, developing and delivering the right blend of instructional media to meet specific training goals.

Identifying and Assuring Training Objectives

Our lifecycle training approach leverages cross-disciplinary expertise to assure linkages between mission, goals, skills, competencies and performance in the field. Research-based methodologies assure excellence and preparedness, from thorough Front-End Analysis and Requirements Definition to assessing the key indicators of performance. Kratos can help you:

- Identify organization, unit, team and individual competencies and performance gaps that align with your mission
- Apply instructionally sound learning approaches that drive identified performance outcomes
- Develop and sustain training courseware, devices, systems and learning environments
- Support maintain, upgrade and sustain courseware and training systems as needs and performance objectives evolve, whether designed by Kratos originally or by another supplier



Introducing the MBRAT A Revolutionary New Concept in Reconfigurable Training Devices

Kratos' new Maintenance Blended Reconfigurable Aviation Trainer (MBRAT) is an exciting new concept in part-task maintenance trainers. Using an optimal blend of Computer Based Training (CBT) and replicated physical controls, the MBRAT provides an immersive physical, visual and tactile experience at a fraction of the cost and fielding time of full-fidelity maintenance trainers. Readily reconfigurable to a variety of systems and subsystems even to other platforms with modest hardware adaptations. Black Hawk Avionics is our first MBRAT variant. It effectively and efficiently trains in Black Hawk Maintenance Operational Checks (MOCs), Cockpit Fault Identification and selective Fault Isolation.



Life-Saving Training for black Hawk Crews

As one of the world's most proven air vehicles, Black Hawk missions frequently include life-saving and recovery operations. Kratos solutions help ensure that crews are optimally trained and ready for the task. Our **Medical Suite Trainer** is the first hands-on operational and functional solution for air ambulance missions supporting full-crew interactions so teammates know how to work together effectively; and our **Static Hoist Trainer** teaches aircrewmembers the coordination skills necessary to use the hoist during vertical replenishment, rescue operations, Helicopter In Flight Rescue (HIFR), vertical rappelling and more.



For more information on Black Hawk training solutions or other training and workforce performance needs, please contact:

Kratos Training Solutions

8601 Transport Drive, Orlando, FL 32832

Email: Training@KratosDefense.com | Website: www.KratosTraining.com | 407.678.3388