KRATOS

THE BLACK HAWK

UH-60 Medical Suite Trainer (MST)

This comprehensive, first-of-its-kind training system is being used by the U. S. Army School of Aviation Medicine at Fort Rucker to teach Flight-Medic students the operation of all on-board systems.

Kratos' range of products that support the BLACK HAWK now includes the UH-60 Medical Suite Trainer (UH-60 MST). This device is the first hands-on training system that provides operational and functional task training of the UH-60Q and HH-60L Air Ambulance, and is currently being utilized in The United States Army School of Aviation Medicine's Flight Medic Course at Fort Rucker, AL. The mission of this course is to provide qualified combat medics trained to treat, stabilize, and provide in-flight medical care to the critically injured or ill while being transported aboard air ambulances. The UH-60 MST replicates the confined environment of the BLACK HAWK and includes a functional Medical Interior Kit, the External Rescue Hoist, and External Stores.

The high-fidelity MST simulator technology is necessary to teach the proper use of all the systems found in the UH-60Q/HH-60L to the student medic in a classroom environment during team platform training. Moreover, it can support scenario-based training in team mission training. It will support the flight medics of today, as well as those of the future, by making it possible for students to train in an authentic training environment for patient loading and care while addressing obstruction issues under day, night, and NVG conditions much as they might encounter under actual combat conditions.

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The interior of the UH-60 MST includes the following training features:

- Audio / Video Recording System to enhance After Action Reviews
- Provisions for NVG training under blackout conditions
- Audio system to simulate sounds associated with aircraft operation

The UH-60 MST Medical Interior Kit includes the following operational features:

- Simulated On Board Oxygen Generator System (OBOGS)
- Operational Suction System
- Litter Control
- Lighting Control
- Operational Intercommunications System (ICS)
- Ambulatory Patient Seats
- Medical Attendant Seats

The IOS enables the instructor to fully control and monitor the total UH-60 MST training environment by providing the following capabilities:

- Fault Insertion
- After Action Review
- Pilot Control Functions
- Audio / Video Monitoring and Recording
- Master Power Switch Controlling
- Hoist Power On/Off
- Litter lights On/Off
- OBOGS On/Off
- Interior Lighting Controls (On/Off, and Daylight/NVG mode select
- Control Voice Traffic - Radio 1 and Radio 2 intercom channels

The hoist control includes simulated functions of the cable cut system, including arming and actuation of the squib:

- Maximum load of 300 pounds
- FULL IN and FULL OUT indicator lights
- Functional speed control
- Cable speed range of 0-45 fpm
- Pendant and Crew Control Panel
- Hoist Cable Cut Indicator
- Monitoring

KRATOS®
FROM STRENGTH TO SUCCESS

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