



HAWKEYE INTEGRATED TRAINING SYSTEM (HITS) PROGRAMS FOR AIRCREW AND MAINTENANCE

KEEPING E-2D AIRCREWS AND MAINTAINERS AT PEAK PERFORMANCE

CHALLENGE

The U.S. Navy required fully integrated mission training systems to support E-2D Advanced Hawkeye aircrews and maintainers. As the Navy pursued replacing the E-2C aircraft with the E-2D, it faced the daunting challenge of developing an all-inclusive, integrated mission training system to train both front-end and back-end crew members and maintainers on the complexity and capability of the new aircraft systems.

An effective and affordable integrated training solution would be required to train crew members to high levels of competency while simulating high-fidelity battlespace awareness and situations encountered during multifaceted mission operations.

For realistic E-2D training, the solution must enable two flight trainers to fly together in "form mode" and a flight and tactics trainer to operate together as an aircraft in "coupled mode." Component integration would need to include training systems to replicate flight, mission and tactics training.

The training solution would also require the development, implementation and delivery of curriculum, courseware and mission brief/debrief capabilities. The training and simulation environment would need to accurately demonstrate the full capabilities of a totally integrated, next-generation training system.





SOLUTION

We provided the Navy with the Collins Aerospace E-2D Hawkeye Integrated Training System – Aircrew (HITS-A) and Hawkeye Integrated Training System – Maintenance (HITS-M) programs.

These programs integrate comprehensive training system elements to offer realistic, adaptable training for pilots, aircrews and maintainers.

HITS-A provides:

- Tactics trainers
- Operational flight trainers
- Aircrew procedures trainers
- Curriculum/courseware
- Electronic classroom
- Learning resource center
- Mission brief/debrief

HITS-M provides maintenance crews blended training, ranging from classroom and computer-based instruction to device trainers.

HITS-M features:

- Simulated maintenance trainer
- Power plant (engine) trainer
- Curriculum/courseware
- Electronic classroom

RESULTS

Today, the Navy uses HITS-A and HITS-M in its Carrier Airborne Command Control and Logistics Wing's Fleet and Replacement Squadrons as well as its Weapons School, providing the most realistic scene fidelity, image quality and performance available today. E-2D naval flight officers and maintenance personnel are now training using HITS-A and HITS-M.

Visit collinsaerospace.com to learn more



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