



VIRTUAL AVIONICS PROCEDURES TRAINER (VAPT)

TIMELY RETRAINING WITH LOWER COSTS

Rehosts aircraft's avionics software for high training fidelity

During avionics upgrades on your current aircraft, you are faced with a growing challenge: How can you provide training for your flight crews on these new avionics before the aircraft are ready for service? The solution is the Collins Virtual Avionics Procedures Trainer (VAPT).

VAPT can be used for many applications, including: preparation for full flight simulator training, full IFR training, familiarization and differences training on Collins Aerospace avionics, mission rehearsal and pre-mission planning.

Because it directly integrates our avionics software, including Collins Pro Line Fusion®, Pro Line 21™, CAAS and Flight2™, VAPT enables flight crews to experience the capabilities, functions and procedures in the aircraft without the high costs that come with using real assets for training.

At the heart of VAPT system is a unique combination of commercial off-the-shelf (COTS), PC-based hardware and Collins Aerospace avionics software. The rehosting of the actual avionics software on COTS hardware provides a cost-effective training option. It also ensures that VAPT displays not only look like those in the aircraft, they operate the same way, too.

KEY FEATURES AND BENEFITS

- Wireless instructor operator station
- Modular system hardware configuration for portability
- Compact footprint that enables setup in a typical office environment
- Configurable, expandable, simulator-common software
- Virtual avionics components capable of adding hardware as needed
- Reduced operational and training costs
- Fielded for both fixed- and rotary-wing platforms, with customers that include flight training companies and foreign militaries
- Out-the-window visuals powered by the desktop Collins EP®-80 image generation system

FEATURES AND BENEFITS

- High-fidelity training early in upgrade program
- Software based for ease of reconfiguration
- Scalability to multiple aircraft platforms
- Flexibility that enables future software upgrades without hardware modifications

VAPT – THE VIRTUAL FLIGHT DECK

Using a combination of large touchscreens and virtual graphic representations of the actual Collins Aerospace display software, VAPT looks and functions like the real thing. VAPT lets flight crews practice every pre-flight, in-flight and post-flight avionics operational procedure they will find in the actual aircraft.

VAPT's unique software rehosting architecture guarantees that when you change equipment or upgrade displays in the aircraft, all it takes is a software upgrade to the VAPT system and your flight crews will be training on the same new avionics they will use during real flights. All delivered early in an upgrade or forward-fit program, ensuring timely retraining of your pilot force.

SIMPLE UPGRADABILITY – SUPERIOR CAPABILITY

If your fleet is equipped with Collins Aerospace avionics, VAPT is the ideal cost-effective and flexible solution. The displays and virtual controls are created using our avionics software rehosted on COTS, PC-based hardware, simplifying future upgrades without expensive LRUs or hardware to change.

Your VAPT system is always up to date. And since it's all software based, you can easily switch from one flight deck to another using the same hardware. It's the perfect solution for operators flying a mixed fleet.

MADE BY THE PEOPLE WHO MAKE THE AVIONICS

No other avionics procedures trainers are built and supported by the company that makes the avionics they simulate. Pilots walk away from a VAPT session with the knowledge and confidence they need to safely operate in today's active air-traffic-control environment.

THE TRAINING CONTINUUM

VAPT is just part of our full spectrum of cost-effective training solutions. As a world-leading avionics supplier, we provide an array of training solutions to ensure that our customers get the greatest benefits from their avionics systems.

Our training portfolio includes instructor-led training, desktop and web-based tools and full-motion flight training devices. Training is just part of our unsurpassed level of support. Other services include product documentation, spares, on-site service and full warranty support.



Wireless instructor operating station

Specifications subject to change without notice.



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