FMS familiarization.
Driven by the aircraft's actual avionics software.

Avionics suites are more software dependent than ever, providing the pilot with an unprecedented amount of information and situational awareness. The ongoing challenge is to keep flight crews both current and familiar with these advanced avionics systems to take full advantage of all the information available, without increasing pilot workload.

Our FMS Desktop Training Device (FMS-DTD) provides an effective solution utilizing the same software used in both the aircraft Flight Management System (FMS) and display systems, all running on a Windows® PC. The FMS-DTD uses the actual software used on the aircraft, greatly reducing the possibility of negative training, which helps pilots quickly become familiar with the avionics and enhances aircraft operational safety.

Pilots can also use the trainer's simulated avionics tool for preflight planning, still all on a Windows PC. They can save the flight plan to a USB drive and then download it into the matching aircraft's FMS. This reduces the time it takes to enter a flight plan into the FMS, minimizing avionics programming time while the engines or auxiliary power unit are operating.

KEY FEATURES/BENEFITS

> Cost-effective way for pilots to remain familiar or expand their knowledge of the avionics system

> Aircraft-specific products reduce or eliminate negative habit formation

> All versions run on Windows® 7 or Windows® 10-based computers

> Pilots can practice when and where they want, at their own pace

> Looks and operates like the aircraft software, providing the highest level of training fidelity possible off the aircraft

> Provides a virtual version of the panels, with simulated functionality

> Rockwell Collins' IFIS integrated flight information system sets are also available

Rockwell Collins

Building trust every day

THE TRAINING CONTINUUM

Rockwell Collins provides a wide range of training solutions to ensure that customers train properly in order to maximize the operation of their avionics system in the aircraft. Our training portfolio includes instructor-led training (ILT) and computer-based training (CBT) as well as various procedural trainers up to full-motion flight training devices.

THE IDEAL FMS TRAINING TOOL

A state-of-the-art FMS is one of the most powerful and vitally important components of a modern flight deck. In today's increasingly complex airspace, it is critical that pilots can accurately interpret and properly respond to all of the information provided by the avionics system. Software-centric flight decks, like other software tools, have far more capability than what is used by the typical user. The solution to better utilization of the full capability of an avionics system is readily available and highly realistic refresher training.

It starts by entering a flight plan and performance data to get the most out of the aircraft's systems. The FMS-DTD enables a pilot to go through all phases of flight, including navigation, V-speeds and in-flight performance, engaging the flight director, autopilot functions and capturing approaches. The FMS-DTD provides a virtual flight deck of displays, panels and a simulated throttle. This enables pilots to practice and master all critical cockpit tasks.

To confirm their data entries, pilots can run a simulation that executes the flight from takeoff to touchdown.

FLY LIKE YOU TRAIN. TRAIN LIKE YOU FLY.

The FMS-DTD is aircraft specific and represents the same equipment that is on the actual aircraft, which greatly enhances the pilot's training experience. We offer FMS-DTDs for both Pro Line 21™ and Pro Line Fusion® avionics suites. Our IFIS simulation is available on some of the FMS-DTDs.

The currently available FMS-DTDs include the following aircraft:

AIRCRAFT TYPE	PRO LINE VERSION	IFIS
Bombardier Challenger CL-300	Pro Line 21	
Bombardier Challenger CL-350	Pro Line 21	X
Bombardier Challenger CL-604	Pro Line 4™	
Bombardier Challenger CL-605	Pro Line 21	
Bombardier Challenger CL-650	Pro Line 21	X
Bombardier Challenger CRJ200	Pro Line 4	
Bombardier Challenger CRJ900	Pro Line 4	
Cessna® Citation CJ3®	Pro Line 21	X
Cessna® Citation XLS+®	Pro Line 21	X
Cessna® Citation CJ4®	Pro Line 21	X
Hawker 800XP	Pro Line 21	X
Beechcraft® King Air® 350	Pro Line 21	X
Bombardier C Series	Pro Line Fusion	X
Cessna Citation CJ3	Pro Line Fusion	X
Embraer Legacy 500	Pro Line Fusion	X
Beechcraft King Air 350	Pro Line Fusion	X

Note: A current navigation database is required to create and load a valid flight plan to your aircraft.

RECOMMENDED SYSTEM REQUIREMENTS

	Pro Line 4/21	Pro Line Fusion
CPU (not Celeron)	2.4 GHz quad core	3.0 GHz dual quad core
Memory	8G B RAM	16 GB RAM
Hard drive	1.5 GB free disk space	2.5 GB free disk space
Video	Graphics card with 512 MB	Graphics card with 512 MB
Number of monitors	1	2

The FMS-DTD is designed to run on Windows 7 or Windows 10, 64-bit. An "Americas" demo navigation database is included. Navigation database subscriptions available for the FMS-DTD.

Note: A current navigation database is required to create and load a valid flight plan to your aircraft.

TRAINING, BY THE AVIONICS OEM

The FMS-DTD is a cost-effective, high-fidelity training solution enabling the pilot to virtually train anywhere, anytime on the same software that runs in the aircraft. Pilots can master the skills and build and maintain the knowledge required to safely and efficiently operate the aircraft in today's air traffic control environments.

Specifications subject to change without notice.

Building trust every day.

Rockwell Collins delivers innovative aviation and high-integrity solutions that transform commercial and government customers' futures worldwide. Backed by a global network of service and support, we are deeply committed to putting our solutions to work for you, whenever and wherever you need us. In this way, working together, we build trust. Every day.

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