



Rockwell Collins Services Training and Information Solutions Course Syllabus: 523-0808822

COURSE TITLE: FMS-3000 Flight Management System
Level I Operator

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
CDU-3000	Control Display Unit	822-0884-161
CPAS-3000	Collins Portable Access System	810-0032-001
CPAS-3000	Collins Portable Access System	810-0032-002
CPAS-3000	Collins Portable Access System	810-0032-003
DBU-4100	Database Unit	822-0014-104
FMC-3000	Flight Management Computer	822-0883-005
GPS-4000A	Global Positioning System	822-1377-001

PREREQUISITES: Students should have basic knowledge of aircraft avionics systems.

PURPOSE: This course provides pilots with training to operate the FMS-3000 system.

OBJECTIVES: Upon completing this course, the student will be able to:

1. Provide an overall understanding of FMS-3000 principles, and operations.
2. Identify system components and the functional/operational characteristics.
3. Identify typical aircraft system interface/system architecture.

COURSE LENGTH: Approximately 2 hours (Course length will vary from individual to individual, depending on the experience level of the participant and the Pre/Post Testing options that are selected.)

REFERENCES:

1. FMS-3000 Operator's Guide 523-0790066

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FMS-3000 COURSE OUTLINE

I. FMS Theory of Operation

- A. Introduction to the FMS
- B. Key Elements
- C. Operations Features
- D. Data Entry
- E. Settings

II. Power Up

- A. CDU Power Up Page
- B. Checking for a Current NAV Database
- C. Swapping the Current and Second NAV Database
- D. Loading a new set of NAV Databases
- E. Synchronizing FMS1 and FMS2
- F. Initializing the FMS Position
- G. Clearing the message data line
- H. Deleting the Current Active Flight Plan

III. Guided Practice

- A. Flight Plan 1
- B. Flight Plan 2
- C. Flight Plan 3
- D. Save and Load

IV. Save and Load

- A. Save the Flight Plan to a Pilot Route List
- B. Save the Flight Plan to a Disk
- C. Copy the Active Flight Plan to the Second Flight Plan
- D. Activate the Second Flight Plan

V. Performance Data

- A. Enter the Cruise Altitude
- B. Enter the Passenger Weight
- C. Check Total Fuel Onboard
- D. Check the Performance Mode

VI. Guided Practice

- A. En-route 1
- B. En-route 2

VII. Missed Approach

- A. View the Missed Approach
- B. Sequence to the Missed Approach



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- C. Sequence to the Alternate
- D. Delete the Current Active Flight Plan

VIII. Course Summary