

Rockwell Collins Services Training and Information Solutions Course Syllabus: 523-0808735

COURSE TITLE: **IFIS-5000**
Pilot (Level I Operator) Course

AUDIENCE: Students should be experienced with Rockwell Collins, Inc. aircraft Avionics Systems installed.

PURPOSE: This course provides training to familiarize pilots with the functionality of the IFIS-5000 system.

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

1. Provide an overall understanding of IFIS-5000 principles, and operations.
2. Identify system components and the functional/operational characteristics.
3. Identify typical aircraft system interface/system architecture.

COURSE LENGTH: Approximately 30 minutes (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. IFIS-5000 Integrated Flight Information System Operator's Guide 523-0806347

IFIS-5000 COURSE OUTLINE

- I. IFIS Description**
 - A. MFD Situational Functions**
 - 1. Electronic Charts
 - 2. Enhanced Map Data
 - 3. Graphical Weather Formats
 - B. Key Performance Features**
 - C. IFIS Preconditions**
 - D. File Server Unit (FSU)**
 - E. Partitioned Software**
 - F. Adaptive Flight Display (AFD)**
 - G. Cursor Control Panel (CCP)**
 - H. External Compensation Unit (ECU)**
 - I. Weather Hardware**
- II. IFIS Display Formats**
 - A. Airways**
 - B. Political Boundaries**
 - C. Water Bodies**
 - D. Symbology**
 - E. Graphical Weather**

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III. IFIS Operations

- A.** MENU Button
- B.** ESC Button
- C.** STAT Button
- D.** MENU ADV Knob
- E.** PUSH SELECT Button/Data Knob
- F.** Memory Buttons (MEM)
- G.** Joystick
- H.** ZOOM Button
- I.** Orientation Button
- J.** Chart Button
- K.** FMS Chartlink
- L.** Shortcut Names
- M.** Select a Chart
- N.** Any Chart
- O.** Chart List
- P.** Georeferenced Charts
- Q.** Aircraft Symbol
- R.** STATUS Display
- S.** Database Effectivity Page
- T.** STAT MENU
- U.** Chart Subscription Page
- V.** FSU Configuration Menu
- W.** FSU Configuration Page
- X.** Maintenance Main Menu
- Y.** Enhanced Map MFD Formats
- Z.** MFD Plan Map Format
- AA.** MFD PPOS Map Format
- BB.** Enhanced Map MFD Symbols
- CC.** GWX Format
- DD.** GWX Control
- EE.** XM Graphical Weather
- FF.** XM Display Formats
- GG.** Universal Graphical Weather
- HH.** NEXRAD

IV. IFIS Theory of Operation

- A.** Hardware and Software
- B.** Data Paths

II. Summary