



Rockwell Collins Services Training and Information Solutions Course Syllabus: 523-0809384

COURSE TITLE: Pro Line 21 Falcon 20/50 Retrofit
Level I Operator CBT

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Air Data Computer (ADC)	ADC-850F	822-1036-441
Air Data Computer (ADC)	ADC-850F	822-1036-442
Automatic Direction Finder (ADF)	ADF-462	622-7382-101
Adaptive Flight Display (AFD)	AFD-3010	822-1084-402
Adaptive Flight Display (AFD)	AFD-3010	822-1084-404
Attitude Heading Computer (AHC)	AHC-3000	822-1110-002
Altimeter (ALT)	ALT-55	622-2855-011
Control Display Unit (CDU)	CDU-6200	822-1485-004
Control Display Unit (CDU)	CDU-6200	822-1485-008
Control Display Unit (CDU)	CDU-6200	822-1485-010
Control (CTL)	CTL-23	622-9851-001
Control (CTL)	CTL-23C	822-1121-002
Data Acquisition Unit (DAU)	DAU-4003	822-1075-002
Database Unit (DBU)	DBU-4100	822-0014-104
Display Control Panel (DCP)	DCP-3000	822-1134-202
Display Control Panel (DCP)	DCP-3000	822-1134-302
Distance Measuring Equipment (DME)	DME-442	622-7309-101
Electronic Control Unit (ECU)	ECU-3000	822-1200-002
Flight Control Computer (FCC)	FCC-4009	822-1148-216
Flight Control Computer (FCC)	FCC-4011	822-1373-121
Flux Detector Unit (FDU)	FDU-70A	622-8154-001
Flight Guidance Panel (FGP)	FGP-3000	822-1107-104
Flight Management Computer (FMC)	FMC-6000	822-0868-039
Global Positioning Satellite (GPS)	GPS-4000A	822-1377-001
High Frequency (HF)	HF-9031A	822-0101-002
High Frequency (HF)	HF-9034A	822-0102-0001



Rockwell Collins Services Training and Information Solutions Course Syllabus: 523-0809384

IAPS Card Cage (ICC)	ICC-4009	822-1407-001
Maintenance Diagnostic Computer (MDC)	MDC-3000	822-1139-401
Radio Interface Unit (RIU)	RIU-4000	822-1469-101
Receiver-Transmitter Antenna (RTA)	RTA-800	622-1040-004
Receiver-Transmitter Antenna (RTA)	RTA-858	622-8441-004
Satellite Receiver Transmitter (SRT)	SRT-2000-6	822-1349-001
Servo (SVO)	SVO-80A	622-3015-001
Transponder (TDR)	TDR-94D	622-9210-006
TCAS Directional Antenna (TRE)	TRE-920	622-8973-001
TCAS II Receiver/Transmitter (TTR)	TTR-4000	822-1294-002
Very High Frequency (VHF)	VHF-4000	822-1468-301
Very High Frequency (VHF)	VHF-422C	822-1115-001
Very High Frequency (VHF)	VHF-422D	822-1116-021
VOR/ILS receiver (VIR)	VIR-32	622-7194-201

PREREQUISITES: Students should be computer literate and familiar with MS Windows® Based Operating Systems.

PURPOSE: This course provides operators (Pilots) with a basic understanding of the Controls and Displays associated with the operation of the Falcon 20/50 Retrofit Pro Line 21 system.

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

1. Identify Pro Line 21 component operational characteristics
2. Perform Pro Line 21 PFD operational procedure
3. Identify IFIS operational characteristics
4. Identify Radio operational characteristics
5. Identify WXR radar operational characteristics
6. Perform WXR radar operational procedures on the PFD

COURSE LENGTH: Approximately 4.0-8.0 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.)



Rockwell Collins Services Training and Information Solutions Course Syllabus: 523-0809384

REFERENCES:

- | | |
|---|-------------|
| 1. Pro Line 21 Continuum Avionics System for the Falcon 20, Pilot's Guide | 523-0780847 |
| 2. Pro Line 21 Continuum Avionics for the Falcon 20/50, Pilot's Guide | 523-0780758 |
| 3. Falcon 50EX/Falcon 20 Retrofit Avionics System, Diagnostics Guide | 523-0778044 |
| 4. Falcon 50EX/Falcon 20 Retrofit Avionics System, System Manual | 523-0777940 |

**Rockwell Collins Services
Training and Information Solutions
Course Syllabus: 523-0809384**

PRO LINE 21 FALCON 20/50 RETROFIT COURSE OUTLINE

- I. Introduction**
 - A. Welcome to E-Learning

- II. Primary Flight Display (PFD)**
 - A. Familiarization
 - B. Nav Bearing Guided Practice

- III. Multi-function Display (MFD)**
 - A. Familiarization

- IV. Integrated Flight Information System (IFIS)**
 - A. Familiarization

- V. Radio Sensor Systems (RSS)**
 - A. Familiarization

- VI. Weather Radar (WXR)**
 - A. Familiarization
 - B. Weather Radar Guided Practice
 - C. Range Tilt Guided Practice

- VII. Control Display Unit (CDU) Operation**
 - A. Video Overview
 - B. FMS Theory of Operation
 - C. Preflight Video
 - D. Power Up Procedures Guided Practice
 - E. Build Flight Plan 1 Guided Practice
 - F. Build Flight Plan 2 Guided Practice
 - G. Build Flight Plan 3 Guided Practice
 - H. Vertical Navigation Video
 - I. Approach Video
 - J. Save & Load Procedures Guided Practice
 - K. Performance Data Guided Practice
 - L. En-route Procedures 1 Guided Practice
 - M. En-route Procedures 2 Guided Practice
 - N. Missed Approach Guided Practice

- VIII. Summary**

- IX. Survey**