



Publications and Training Solutions

Course Syllabus: 523-0824385

COURSE TITLE: Venue™ HD Cabin Systems Commonalities and Differences on Aftermarket, Falcons and Globals

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Media Center Device	MCD-300X	441-0008-xxx
Cabin Management Module (Environmental Controller)	CMM	2052-1-X
Relay Drive Equipment (Environmental Controller)	RDE-6000	2052-1-10
High Definition Audio Video Distributor	HDAV-3000 HDAV-3002	441-0007-100 441-0007-102
High Definition Audio Video Distributor	HDAV-6000 HDAV-6002	441-0102-100 441-0186-100
Dual Blu-Ray Disc Player	BDP	441-0089-100 (H) 441-0089-101 (V)
Programmable Switch	PSW	441-0010-XXX (RH) 441-0070-XXX (LH)
Touch Screen Controller (TC)	TC-6000	441-0174-100
Bulkhead High Definition Monitor	10.6" HDM, Bulkhead	441-0005
Personal Entertainment Monitor	PEM	441-0165
High Definition Touch Screen Equipment 10.6"	HTSE	822-2647-100
Galley Touch Screen Equipment 10.6"	GTSE	822-2647-101
Large Area Monitor Bulkhead Display Units	LAM BDU	441-0116 (19") 441-0117 (22") 441-0133 (24")
24" Bulkhead Display Unit	24" BDU	441-0133-100
Electronic Control Module	ECM	441-0038-100
RF/IR Remote Controller	RF/IR Controller	2033-1-1
Flight Deck Controller	FDC	922000-X
"A" type Switch Panel	Switch Panels	2501-X-XXX
1x1 and 1x3 Switch Panels, Lav, Table and Entrance Lights	Switch Panel	2600-1-xxx (generic)
1x3 Conf and Divan Switch Panels	Switch Panel	2601-1-xxx (generic)
HDMI Jack Panel	Jack Panel	2600-2-xxx (generic)

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EQUIPMENT	NOMENCLATURE	PART NUMBER
1X1 Mini-Switch	MSW	441-0024-10X
1X2 Mini-Switch		441-0062-10X
1X3 Mini-Switch		441-0025-10X
1X4 Mini-Switch		441-0063-10X
Power Distribution Equipment (PDE) DC	PDE-6000	10718B01E01
Power Distribution Equipment (PDE) DC personality module	PDE-6010	10720B01E00
Power Distribution Equipment (PDE) AC	PDE-6100	10719B01E01
Power Distribution Equipment (PDE) AC personality module	PDE-6110	10722B01E00
Applications and Media Server Unit	AMSU (SKYBOX)	441-151x-100
Wireless Access Point 4000 (DC)	WAP 4000	73001002-002
Wireless Access Point (Antenna Kit)	WAP	73001001-001
* Blue Text items specific to Bombardier Global 5000/6000		

PREREQUISITES:

1. Familiarity with computers, DOS commands, and Windows Operating Systems
2. Proficiency in speaking and reading simplified English
3. Ability to read schematic diagrams
4. Familiarity with avionics system testing and troubleshooting

Laptop computer for maintenance/software loading

PURPOSE: This course provides line maintenance personnel with training on system components, concept of operation, and operation of the diagnostic tools.

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

1. Identify Venue™ Aftermarket, Falcon and Global Line Replaceable Units (LRUs)
2. Identify optional and 3rd party Venue™ HD products
3. Explain the baseline system operation
4. Perform conformity checks using the Galley Touchscreen (GTS) and Test and Simulation Tool (TST)
5. Perform System Status checks using the GTS and TST

COURSE LENGTH: 2 Days (1.5 days classroom, .5 days hands on as available)

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TRAINING DEVICES:

- Demo Rack or Aircraft as available

TRAINING MATERIALS:

1. Power Point Presentation with Overhead projector
2. Block Diagrams
3. Electronic Handouts (PDF) on USBs
4. Note: Students need to bring laptop or tablet to read USBs

REFERENCES:

- | | |
|--|-------------|
| 1. Venue™ Installation and Maintenance Manual (IMM) 44-21-02 | 523-0817219 |
| 2. Venue™ on Bombardier Global 5000V/6000 Aircraft
Maintenance Manual (AMM) 44-21-37 | 523-0823704 |
| 3. Venue™ Cabin Management System (CMS) Operators Guide (OG) | 523-0818449 |
| 4. Falcon Cabin HD+ Quick Reference Guide (QRG) | 523-0823784 |
| 5. Venue™ on Bombardier Global 5000V/6000 Operators Guide (OG) | 523-0823896 |
| 6. Applications and Media Server Unit (AMSU) Installation and
Maintenance Manual (IMM) 44-20-93 | 523-0821175 |
| 7. Venue™ Version 9 with Test and Simulation Tool (TST) Version 1.3.33 | |
| 8. Fault Isolation Manual (FIM) 44-21-03 | 523-0822712 |

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Venue™ HD Cabin Systems COURSE OUTLINE

I. Welcome

- A. Training Overview
 - 1. Welcome
 - 2. Student Registration
 - 3. Student Policies and Procedures

II. Venue™ Systems Overview

- A. Cabin control
- B. Entertainment

III. Venue™ system components/operation

- A. System Overview
 - 1. Media Center Devise (MCD)
 - 2. 2052-1-xx Cabin Environnemental Controller (CMM, RDE)
 - 3. High Definition Audio Video controllers (HDAV) 300x
 - 4. High Definition Audio Video controllers (HDAV) 600x
 - 5. Dual Blu-ray Player (BDP)
 - 6. Personnel Switch (PSW)
 - 7. Touchscreen Controller (TC6000)
 - 8. LCD High Definition Monitors (HDM)
 - 9. High Definition Touchscreen Monitors (HTSE, GTS)
 - 10. High Definition Monitors (Smart) LAM
 - 11. Smart Remote Electronics Box - SRMEB
 - 12. Electronic Control Module (ECM)
 - 13. Aux Panels
 - 14. Cabin Remote
 - 15. Tailwind 500/550
 - 16. 2033 Radio Frequency (RF) and Infrared (IR) controller
 - 17. 2501 "A" Type Switch Panels
 - 18. 3rd Party Communication devices
 - 19. Flight Deck Controller (FDC)
 - 20. Wireless Access Point (WAP) 3000
 - 21. Wireless Access Point (WAP) 4000
 - 22. Application Media Server Unit (AMSU)
 - 23. Power Distribution Equipment (PDE)
 - 24. Test and Simulation Tool (TST) and GTS
 - a. Venue Software Loading
 - 1) Loadable Software Package (LSP)
 - 2) Loadable Configuration Package (LCP)

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- 3) Airshow Software Loading
- b. Maintenance Operations

IV. Venue™ HD system diagnostics

- A. Software and Maintenance Laptop setup
- B. Performing a conformity check using GTSE and TST
- C. Performing system checks using GTSE and TST