

Publications and Training Solutions

Course Syllabus: 523-0817978

COURSE TITLE: Venue™ HD Cabin Management System
Level I Operations & Flight Line Maintenance

PREREQUISITES: Students should have basic knowledge of aircraft avionics systems, the ability to read schematic diagrams, and a working command of the English language (interpreters are available for special cases). Students should have familiarity with computers, DOS commands, and Windows Operating Systems and a laptop computer for maintenance/software loading.

PURPOSE: This course provides line maintenance personnel with training to operate and perform flightline maintenance for the Venue System. This course is designed to teach troubleshooting, using diagnostic tools, for replacement of line replacement units (LRUs) and does not include internal maintenance of any component. The Venue System consists of the LRUs identified in the section titled EQUIPMENT TYPE by nomenclature and part number, including associated peripheral equipment identified as deliverable hardware.

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

1. Provide an overall understanding of Venue HD Operation.
2. Identify System Components
3. Identify Optional Venue Products (i.e. WAP, AMSU, and CTA).
4. Perform a Software Conformity Check using Test Simulation Tool (TST).
5. Per a System Continuity Test.

COURSE LENGTH: 3 Days (1.5 Days Classroom, 1.5 Days Hands-on if available)

TRAINING DEVICES:

- a. Demo Rack OR Aircraft (as available)

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TRAINING MATERIALS:

1. PowerPoint Presentation with LCD/Box Light projector
2. Student Guide – Flash drive (pdf) – Training Presentation
 - Information Sheets
 - Block Diagrams

REFERENCES:

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|--|-------------|
| 1. Venue Installation and Maintenance Manual (IM) | 523-0817219 |
| 2. Venue Fault Isolation Manual (FIM) Test and Simulation Tool (TST) | 523-0819443 |
| 3. Venue High Definition Cabin Management System Operator's Guide | 523-0819347 |
| 4. Venue High Definition Cabin Management System Quick Reference Guide | 523-0819348 |
| 5. Skybox Applications and Media Server Unit (AMSDU) User Guide | 523-0821083 |
| 6. Skybox Applications and Media Server Unit (AMSDU) Abbreviated Component Maintenance Manual (ACMM) | 523-0821027 |

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COURSE OUTLINE

0. Welcome & Introductions

- A. Course Overview
 - i. Welcome
 - ii. Student Registration

1. Introduction to Venue HD Cabin Management System Overview

- A. Cabin Control
- B. Entertainment

2. Venue HD System Components/Operation

- A. Aircraft Layout
- B. System
- C. Media Center Device (MCD)
- D. High Definition Audio Video (HDAV)
- E. Programmable Switch Panel (PSW)
- F. Auxiliary Panels
- G. Primary Port Controller (PPC)
- H. RS-232
- I. Communication Devices
- J. Source Devices
- K. Switch Panels
- L. Monitors

3. Venue HD System Diagnostics

- A. Software and Maintenance Laptop Set-up
- B. Performing a Continuity Check using Test and Simulation Tool (TST)
- C. Performing System Checks using TST

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4. Summary – Review - Critique

- A. Test
- B. Critiques

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Media Center Device	MCD-300X	441-0102-100
High Definition Audio Video Distributor	HDAV-600X	441-0007-XXX
High Definition Touchscreen Switch Equipment	HTSE	441-0165-XXX
Galley Touchscreen Switch Panel 10.6"	GTS	822-2647-101
Primary Port Controller (Environmental Controller)	PPC	2052-1-1
Electronic Control Module	ECM	441-0038-100
Touch Screen Controller	TC-6000	441-0174-100
RF/IR Remote Controller	RF/IR Controller	2033-1-1
Dual Blu-ray Disk Player	DBDP	441-0089-100
Bulkhead High Definition Monitor	HDM, Bulkhead	441-0005-XXX
Wireless Access Point	WAP-3000/-4000	441-0140-XXX
Applications and Media Server Unit (AMSU)	Skybox (AMSU)	441-151X-100