Rockwell Collins

Publications and Training Solutions
Course Syllabus: 523-0823678

COURSE TITLE: Venue for Bombardier Global 5000V/6000
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 Operation.
2. Identify System Components
3. Identify Optional Venue Products (i.e. WAP and CTA).
4. Perform a Software Conformity Check using Test Simulation Tool (TST).
5. Check System Status at the High-Definition Touchscreen Equipment (HTSE).

COURSE LENGTH: 2 Days

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:

1. Venue Installation and Maintenance Manual (IM)   523-0817219
2. Venue Fault Isolation Manual (FIM) Test and Simulation Tool (TST)   523-0819443
3. Venue on Bombardier Global 5000V/6000 Aircraft Maintenance Manual 523-0823704
4. Venue on Bombardier Global 5000V/6000 Operator's Guide   523-0823896

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COURSE OUTLINE

0. **Welcome & Introductions**

   A. Course Overview

      i. Welcome

      ii. Student Registration

1. **Venue Bombardier for Global Systems Overview**

   A. Cabin Control

   B. Entertainment

2. **Venue System Components/Operation**

   A. Aircraft Layout

   B. System

   C. Integrated Card Cage [High Definition Audio Video (HDAV)]

   D. Power Supply Module [Relay Drive Equipment (RDE)]

   E. Monitors

   F. Source Devices

   G. Communication Devices

   H. Auxiliary Panels

   I. Switch Panels

   J. Venue Software Loading

      i. Loadable Software Package (LSP)

      ii. Loadable Configuration Package (LCP)

      iii. ASXi Software Loading

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

4. **Galley Touch Screen Equipment (GTSE) Maintenance Home Page**

    A. Settings Icon

        i. Settings Page

    B. Service Page Icon

        i. Water System Maintenance Messages

        ii. Waste System Maintenance Messages

        iii. Service Doors

    C. Circuit Breakers Icon

        i. Circuit Breakers Listing

        ii. Circuit Breakers Function

    D. Tests Icon

        i. Lighting

        ii. Waste

    E. Maintenance Page

        i. System Status Icon

        ii. Configuration Report Icon

        iii. Loading and Logs Icon

        iv. Power Distribution

        v. Tail Specific Parameters

5. **Summary – Review - Critique**

    A. Test

    B. Critiques

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
High Definition Audio Video Distributor (HDAV)	HDAV-6000	441-0102-100
Relay Drive Equipment (RDE)	RDE-6000	2052-1-10
24″ Bulkhead Display Unit	24″ BDU	441-0133-100
Dual Blu-ray Disk Player	DBDP	441-0089-100
1x1 and 1x3 Switch Panels, Lav, Table and Entrance Lights	Switch Panel	2600-1-xxx (Generic)
1x3 Conf and Divan Switch Panels	Switch Panel	2600-2-xxx (Generic)
High Definition Touchscreen Switch Equipment 10.6″	HTSE	822-2647-103
Wireless Access Point 4000 (DC)	WAP-4000	73001002-002
Wireless Access Point (Antenna Kit)	WAP	73001001-001
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