Publications and Training Services

Course Syllabus: 523-0824958

Venue Innovative Cabin System (ICS) Training

ROCKWELL COLLINS, a part of Collins Aerospace
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CAGE CODE: 0EFD0

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Initial Issue: JAN 01/20
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TARGET AUDIENCE:

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
5. Laptop computer for maintenance/software loading

Training Level: Flight Line Maintenance

Course Length: 3 Days

DESCRIPTION:

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

OBJECTIVES:

1. Identify VENUE ICS LRUs and their functionalities
2. Identify the overview of Venue ICS
3. Understand how to use and maintain Stage Maintenance and Stage Content Manager
4. Understand how to utilize CTA and TST for System Diagnostics

TRAINING DEVICES:

1. Training device or Aircraft as available (None for VR Course)

TRAINING MATERIALS:

1. PowerPoint presentation with overhead projector (Onsite Only)
2. Zoom app (Windows, macOS, Linux, Android, iOS, Chrome OS)
3. Block Diagrams (Onsite Only)

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REFERENCES:

Document Name	Part Number	Edition	Revision	Date
Venue™ Innovative Cabin System Installation and Maintenance Manual	523-0825957	4	0	MAR 22/24
Venue™ Innovative Cabin System Operator Guide	523-0825958	4	0	FEB 08/24
Venue™ Innovative Cabin System Quick Reference Guide	523-0825959	4	0	MAR 15/24
Venue™ Innovative Cabin System with Test and Simulation Tool (TST) Version 1.5.13	523-0825967	2	0	AUG 09/22
Venue™ Version 9 with Test and Simulation Tool (TST) Version 1.3.33	523-0822712	1	0	APR 20/16
Catalog Transfer Application (CTA) 2.0	523-0824922	1	1	MAR 30/18

COURSE OUTLINE:

1   Chapter 1 – Welcome & Introductions

    A. Course Overview

        a. Welcome

        b. Student Registration

2   Chapter 2 – Venue ICS Overview

    A. ICS Features

    B. ICS Functionality

3   Chapter 3 – Seat Roles

    A. ICS Seat Roles

4   Chapter 4 – System Network Overview

    A. Network Topology

5   Chapter 5 – System Architecture

    A. Software

    B. Loadable Software Package (LSP)

    C. User Experience Package (UXP)

    D. System Software Loading

6   Chapter 6 – ICS Line Replaceable Units

A. ICS Line Replaceable Units

B. Optional Third-Party Equipment

C. Touch Panel

D. Galley Touchscreen (GTS) 10.1"

E. Display Electronic Unit (DEU)

F. Cabin Management Module / Environmental Controller 2052

G. Flight Deck Controller (FDC)

H. 24" HD Large Area Monitor (LAM)

I. 24" 4K Large Area Monitor (LAM)

J. 32" UHD Large Area Monitor (LAM)

K. 48" UHD Large Area Monitor (LAM)

L. Seat Interface Box (SIB)

M. ALTO Digital Amplifier (DAA-7000)

N. WAPA100 (WAP)

O. Media Server Unit (MSU)

P. Tablet Arm

Q. Receptacle Base

R. FalconCabin

S. FalconMap

T. FalconMedia

U. FalconSkyView

7   Chapter 7 – ICS Block Diagram

A. ECU Interface

8   Chapter 8 – Test and Simulation Tool

A. Software and Maintenance Laptop Setup
B. Performing a continuity check using TST
C. Performing system checks using TST

9   Chapter 9 – Maintenance Practices

10   Chapter 10 – Stage Content Manager

11   Chapter 11 – GTS Maintenance

12   Chapter 12 – Falcon Apps

    A.   FalconCabin

    B.   FalconMap

    C.   FalconSkyView

12   Summary & Questions

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EQUIPMENT COVERAGE:

Equipment	Nomenclature	Collins Part Number (CPN)
Touch Panel Unit (TP)	Standard	441-2161-100
GTS	Galley Touch Screen "10.6"	441-2051-100
DEU	Display Electronics Unit	441-2159-101
EC	Environmental Controller	2052-1-9
ECU	Environmental Controller Unit	441-2162-100
FDC	Flight Deck Controller	922000-2
MSU	Media Server Unit	441-2058-100
LAM 24" HD	HD Large Area Monitors	441-2054-101
LAM 24" 4K	24-inch 4K Large Area Monitors	441-2056-101
LAM 32" UHD	Ultra Hi-Def Large Area Monitors	441-2202-100
LAM 48" UHD	Ultra Hi-Def Large Area Monitors	441-2201-100
SIB	Seat Interface Box	441-2160-101
WAPA100	Wireless Access Point	73001012-001
DAA-7000	ALTO Digital Amplifier	441-2057-100

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