COURSE TITLE: Advanced Cabin Management System (ACMS) Dealer Training
Operation and Maintenance Training (Level I)

PREREQUISITES:
This lesson is a follow on lesson to CMS-1 and covers the CMS-2 network architecture. As both the CMS-1 and CMS-2 make up the Advanced Cabin Management System (ACMS), a good understanding of CMS-1 is required as it is not covered in this lesson. Students should be familiar with MS Windows® based Operating Systems.

PURPOSE:
This course provides maintenance personnel with the ability to operate, maintain, and troubleshoot common issues with the ACMS system. This course does not address customer specific procedures or policies.

OBJECTIVES: Upon completing this course, the student should be able to:
1. Identify components of the ACMS.
2. Perform maintenance on the ACMS.
3. Perform troubleshooting on the ACMS.
4. Load system software.

COURSE LENGTH: 8 Hours
REFERENCES:

4. AMCS/CMS-1 Maintenance and Troubleshooting Quick Reference Guide 523-0816165
5. DIAG3000 Operation Manual 523-0815299
6. Line Replaceable Unit (LRU) Technical Specifications
7. LRU Component Maintenance Manuals
8. Example Installation Drawings
COURSE OUTLINE

0. Welcome & Introductions

1. System Overview
   A. System Overview
   B. System Features
   C. System Management Features
   D. System Operation
   E. Control Characteristics

2. Line Replaceable Unit Description
   A. 962000-101 Area Distribution Box
   B. 963000-103 / 963001-103 Encoder Digital Interface Box
   C. 964000-103 Decoder Digital Interface Box
   D. 2700-1-1 / 2710-1-1 17 Inch LCD
   E. 3210-1-1 5 Disc CD Changer
   F. 3310-1-1 DVD Player
   G. 866-0027-XXX Dual Disc CD/DVD/MP3 Player
   H. 3411-1-1 / 3413-1-1 VCR
   I. MX3000 Handheld Remote Errors

3. System Communication and Architecture
   A. MDSB
   B. IEEE 1394
   C. CMS1, CMS2 and ACMS Block Diagrams

4. Theory of Operation
   A. Passenger A/V Request
   B. DIB Initialization

5. Component Addressing
A. Controllers
B. DIBs

6. Audio Leveling
   A. GAIN Settings

7. Fault Isolation Overview
   A. ACMS Failure Flow Chart
   B. ADB Loop Isolation Sequence

8. Drawings and Documentations Overview
   A. GAC 416
   B. RCI 050

9. Problems and Resolutions Examples
   A. Issue
   B. Troubleshooting
   C. Resolution

10. Quiz
    A. 25 Multiple Choice Questions

11. Supplement Reference Material
    A. 3 Minute Rule
    B. CMS2 Jumper
    C. Switch Panel Power
    D. 1394 Cables
    E. Critical Bend radius
    F. DIB Personality Module
## Equipment Type:

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<tr>
<th>Equipment</th>
<th>Nomenclature</th>
<th>Part Number</th>
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<td>Primary Port Controller</td>
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<td>Environmental Secondary Controller</td>
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