

Publications and Training Solutions

Course Syllabus: 523-0821441

COURSE TITLE: Introduction to Data Link
Flight Line Maintenance (Level I)

PREREQUISITES:

Students should have a basic knowledge of aircraft avionics systems and a working command of the English language. Students should be familiar with MS Windows[®] based Operating Systems.

PURPOSE:

This course provides training on general information and fundamental operations, associated with the Data Link system and the interface with its associated equipment.

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

1. Provide an overall understanding of the Data Link principles and operations.
2. Identify system components and the functional/operational characteristics.
3. Identify typical aircraft system interface and architecture.

COURSE LENGTH: 2 Hours

REFERENCES:

1. DLM-900/CMU-900 Data Link Management and Communication
Management Units Operator's Guide 523-0780471

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COURSE OUTLINE

0. Welcome & Introductions

1. Overview

- A. Principles of Data Link Operations
- B. Data Link Components
- C. Message Formats

2. Operations

- A. Data Link Applications
- B. Controller Pilot Data Link Communication (CPDLC) Application
- C. Standard Aeronautical Operational Communication (AOC)
- D. Standard Air Traffic Services (ATS)
- E. Standard Technical Applications

3. Configuration and Maintenance

- A. Identify Principles of Aircraft Addressing and Reporting System (ACARS) Protected Menu
- B. Identify Configuration Management
- C. Identify Data Link Maintenance Principles

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Communications Management Unit	CMU-900	822-1239-101
Control Display Unit	CDU-6200	822-1485-204
VHF-2100 Receiver/Transmitter	VHF-2100	822-1287-101
Aircraft Personality Module	APM-900	822-1424-001