

Publications and Training Solutions

Course Syllabus: 523-0824833

COURSE TITLE: 737 MAX Display System Familiarization
Flight Line Maintenance (Level I)

PREREQUISITES: Students should have basic knowledge of aircraft avionics systems and a working command of the English language.

PURPOSE: This course provides flight line maintenance personnel with training to operate the 737 MAX display system.

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

1. Identify the 737 Max Display System (MDS) equipment.
2. Locate the 737 MDS equipment.
3. Identify the 737 MDS application software components and functions.
4. Recognize the display reversion for each Display Unit (DU) failure.
5. Identify the MDS controls and indicators.
6. Identify the MDS Maintenance Pages and their functions.

COURSE LENGTH: Approximately 40 minutes

REFERENCES:

- | | |
|--|-------------|
| 1. AFD-2120 Adaptive Flight Display Component Maintenance Manual | 523-0823608 |
| 2. DCP-2120 Display Control Panel Component Maintenance Manual | 523-0823611 |
| 3. DPC-2120 Display Processing Computer Component Maintenance Manual | 523-0823609 |
| 4. RLS-2100 Remote Light Sensor Component Maintenance Manual | 523-0808610 |

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COURSE OUTLINE

0. Overview

- A. Introduction to 737 MAX Display System (MDS)
- B. Rockwell Collins Provided Equipment
 - i. Adaptive Flight Display (AFD)
 - 1. MDS Display Units Controls and Indicators
 - ii. Display Processing Computers (DPC)
 - 1. DPC Controls and Indicators
 - iii. Display Control Panel (DCP)
 - 1. DCP Controls and Indicators
 - iv. Remote Light Sensor
- C. Boeing and Third Party Provided Equipment
 - i. Displays Source Panel (DSP) - Boeing
 - ii. Multi-Function Panel (MFP) – Third Party
 - 1. MFP Controls and Indicators
 - iii. Brightness Control Panels – Third Party
 - 1. Display Select Switches
- D. Assessment

1. Software Components and Functions

- A. MDS Application Software Components
 - i. Auxiliary Outboard (AOB)
 - ii. Primary Flight Display (PFD) Application
 - iii. Navigation Flight Display
 - iv. Mini-Map (MM)
 - v. Engine Indication
 - vi. System Page
 - vii. Info Page

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- B. Assessment
- ### 2. Reversion
- A. Display Reversion
 - i. Automatic Reversion
 - 1. Fail Modes
 - 2. Automatic Reversion 3 Fails
 - ii. Manual Reversion Controls and Selections
 - 1. Engine Indication (EI) Transfer
 - 2. Display Select Switch
 - B. Assessment
- ### 3. Maintenance Pages
- A. Maintenance Main Menu
 - B. Maintenance Data Pages
 - i. Display Selection
 - ii. Real-Time Data Page
 - iii. Manual Data
 - iv. Manual Events Selection
 - 1. Manual Event Data
 - C. MDS Maintenance Pages
 - i. Index Page
 - ii. Brightness Page
 - iii. Displays Page
 - iv. DPC Digital Inputs Pages
 - v. DPC Discrete/Power Inputs Pages
 - vi. DPC Discrete Outputs Pages
 - vii. EFIS CP Test Page
 - viii. Configuration Page

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- D. Maintenance Control Pages
 - i. Airplane Configuration Data (ACD)
 - ii. Miscellaneous System Control (MSC)
 - iii. Latched Message Erase
 - iv. MAINT Light
- E. Onboard Maintenance Page
- F. Assessment

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Adaptive Flight Display	AFD-2120	822-3250-101
Display Control Panel	DCP-2120	822-3252-101
Display Processing Computer	DPC-2120	822-3253-101
Remote Light Sensor	RLS-2100	822-2290-101/-201