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:

2. DCP-2120 Display Control Panel Component Maintenance Manual 523-0823611
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
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
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:**

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