# TRANSMITTAL LETTER

1. **DESCRIPTION**

This sheet informs about Revision 02 to the Service Bulletin 190-31-0075.

This is a complete reissue of this Service Bulletin.

2. **ADDITIONAL ACTION**

Aircraft that have complied with the previous issues of this bulletin do not need any additional action.

3. **RECORD OF REVISION**

Basic issue: May 19, 2021.

Revision 01: Sep 29, 2021.

Revision 02: Oct 28, 2021.

4. **HIGHLIGHTS**

| TOPIC/PAGE | DESCRIPTION OF REVISION |
|---|---|
| 1. PLANNING INFORMATION | |
| 1.A. SB EFFECTIVITY/ 01 | Remove aircraft from SB effectivity. |
| 1.C. REASON/ 03 | Included reason for revision 02 of this Service Bulletin. |
| 2. MATERIAL INFORMATION | |
| 2.A. MATERIAL - PRICE AND AVAILABILITY/ 08 | Updated information |
| 3. ACCOMPLISHMENT INSTRUCTIONS / 12 | Updated information |

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**INDICATING/RECORDING SYSTEMS - LOAD 27.4 VERSION FOR PRIMUS EPIC FIELD-LOADABLE SOFTWARE SYSTEM**

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## 1. PLANNING INFORMATION

### A. SB EFFECTIVITY

Aircraft affected:

| MODEL | SN |
|---|---|
| Embraer 190( ) and 195( ) | 19000012, 19000016, 19000034, 19000038, 19000048, 19000051, 19000053, 19000055, 19000056, 19000058, 19000060, 19000062, 19000064, 19000069 thru 19000072, 19000075, 19000077, 19000078, 19000080, 19000081, 19000083, 19000085, 19000088, 19000089, 19000095, 19000098, 19000100, 19000105 thru 19000107, 19000112, 19000113, 19000119, 19000123, 19000126, 19000130, 19000131, 19000133, 19000139, 19000148, 19000152, 19000157, 19000158, 19000162, 19000166, 19000169, 19000170, 19000174, 19000176, 19000180, 19000183, 19000187, 19000191, 19000193, 19000195, 19000198, 19000199, 19000202, 19000209, 19000211, 19000212, 19000218, 19000220, 19000222, 19000224, 19000235, 19000250, 19000254, 19000262, 19000265, 19000266, 19000271, 19000279, 19000283, 19000285, 19000288, 19000294, 19000295, 19000298, 19000304, 19000310 thru 19000312, 19000315, 19000319, 19000321, 19000322, 19000325, 19000326, 19000334, 19000336, 19000338, 19000342, 19000345, 19000347, 19000349, 19000354, 19000358, 19000373, 19000375, 19000380, 19000387, 19000412, 19000413, 19000420, 19000424, 19000435, 19000451, 19000461, 19000476, 19000481, 19000487, 19000492, 19000494, 19000496, 19000501, 19000519, 19000522, 19000528, 19000533, 19000537, 19000543, 19000545, 19000547, 19000551, 19000584, 19000589, 19000602 thru 19000604, 19000607, 19000614, 19000627, 19000630, 19000631, 19000636, 19000649, 19000652, 19000654, 19000655, 19000657 thru 19000662, 19000665, 19000667, 19000668, 19000687, 19000689, 19000690, 19000733, 19000737, 19000746, 19000750, 19000751, 19000754 thru 19000756, 19000758 thru 19000760, and 19000765 thru 19000773, equipped with affected component. |

Affected component:

Network Interface Controller (NIC) / Processor (PROC), Actuator Input-Output Processor (AIOP) and Central Maintenance Computer (CMC) modules with Pentium M processors.

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In-production effectivity:

Embraer 190( ) and 195( ) model aircraft SN 19000774 and on, optionally have an equivalent factory-included modification.

## B. CONCURRENT REQUIREMENTS

1) For aircraft equipped with Head-up Guidance System (HGS), the HGS Software version 816 or higher is required.

2) For aircraft equipped with Digital Voice-Data Recorder (DVDR) Universal PN 1605-01-00 or PN 1605-00-00, and not yet upgraded to LOAD 27.2 or higher, the accomplishment of SB190-31-0062 is required at the same time of this Service Bulletin.

3) Aircraft must be equipped with NIC/PROC AIOP and CMC modules with Pentium M processor. For aircraft equipped with NIC/PROC AIOP and CMC modules with Pentium II processor, the accomplishment of SB190-31-0039 is required before the accomplishment of this bulletin.

4) The installation of Aileron Servo PN 2R5310A or a later approved version is required for PRIMUS EPIC LOAD 27.1 and on.

5) The installation of the dual Global Positioning System (GPS) is required for PRIMUS EPIC LOAD 27.1 and on.

## C. REASON

(1) HISTORY

PRIMUS EPIC LOAD 27.4 delivers modifications and improvements for the systems, which correct deviations found during the aircraft operation to improve the aircraft dispatch reliability and operation.

(2) OBJECTIVE

This Service Bulletin introduces PRIMUS EPIC software LOAD 27.4 PN PS60003259-0314.

(3) EXPECTED BENEFITS

PRIMUS EPIC LOAD 27.4 introduces improvements and corrections to several aircraft systems as follows:

– Aeronautical Telecommunications Network (ATN) B1 Controller Pilot Datalink Communication (CPDLC) general performance improvement;

– Flight Management System (FMS) fixes and improvements;

– Fix to prevent that the Erroneous Flight Director (FD) shows in green for Altitude Select (ASEL);

– Aileron System Monitoring improvement;

– Fix of uncommanded selections on Primary Flight Display (PFD) to prevent accidental change of barometric correction, that can cause erroneous altitude indication for the two pilots at the same time, which combined with a flight in instrument meteorological conditions can increase the pilot workload;

– Improvement of Angle of Attack (AOA) monitor robustness for transitory AOA miscompares to prevent that multiple messages related to Engine Indication and Crew Alerting System (EICAS) are triggered during wake turbulence or gusty conditions, which can result in reduced control of the aircraft, if together with a stall condition.

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(4) REVISION HISTORY

Revision 01: This revision is to include aircraft SN 19000494 to SB effectivity.

Revision 02: This revision is to remove aircraft SN 19000104, 19000120, 19000128, 19000143, 19000147, 19000150, 19000155, 19000168, 19000184, 19000204, 19000213, 19000241, 19000242, 19000260, 19000282, 19000329, 19000330, 19000353, 19000356, 19000361, 19000366, 19000370, 19000374, 19000378, 19000386, 19000391, 19000407, 19000429, 19000432, 19000434, 19000441, 19000449, 19000450, 19000458, 19000460, 19000471, 19000475, 19000484, 19000491, 19000493, 19000495, 19000498, 19000506, 19000510, 19000514, 19000521, 19000530, 19000540, 19000541, 19000550, 19000569, 19000575, 19000580, 19000585, 19000588, 19000590, 19000592, 19000600, 19000609, 19000615, 19000620, 19000621, 19000626, 19000628, 19000638, 19000647, 19000648, 19000650, 19000677, 19000678, 19000685, 19000686, 19000688, 19000692, 19000693, and 19000696 thru 19000699 from the SB effectivity.

## D. DESCRIPTION

The modification presented in this bulletin consists of uploading PRIMUS EPIC LOAD 27.4 version and doing the flight control system return-to-service test, to do the check of its functionality.

It is necessary to load the current and applicable databases as follows:

– APM Settings version applicable to LOAD 27.4 (APM Settings already released for LOAD 27.3 are compatible with LOAD 27.4)

– APM Options version applicable to LOAD 27.4 (APM Options PN released for LOAD 27.4 are not compatible with APM Options PN released for previous LOAD versions)

– Primus Epic LOAD 27.4 software

– Central Maintenance Computer (CMC) Loadable Diagnostic Information (LDI) database

– Communications Management Function (CMF) AMI database or a customized version applicable to LOAD 27.4 (only for aircraft equipped with EPIC CMF)

– Aero Engine Database (AEDB) for ERJ 190/195

– MAGVAR database

– Flight Management System (FMS) Navigation database compatible with Load 27.4 NG-FMS (Operators shall subscribe to NG-FMS (Next Generation Flight Management System) Navigation database)

– Enhanced Ground-Proximity Warning-Module (EGPWM) envelope modulation database

– EGPWM Terrain Threat database

– Electronic Checklist (ECL) database compatible with Load 27.4 (only for aircraft equipped with ECL)

– Air Traffic Control (ATC) database (only for aircraft equipped with Future Air Navigation System (FANS) 2

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– Takeoff and Landing Data (TOLD) database (only for aircraft equipped with Next Generation FMS TOLD (Gold Package)

To reload the applicable databases, it is necessary to connect a notebook Personal Computer (PC) with Remote Terminal (RT) version 27.1 + Data Loading System (DLS) version 8.1.1 to the Local Area Network (LAN) port.

Load 27.4 will implement a security code for the APM Options. It is an 8-character password necessary to install the APM Options. This password will be available on Honeywell website after the Purchase Order is received.

NOTE: The modification presented in this bulletin does not affect Fatigue Critical Structure (FCS).

## E. COMPLIANCE

1) SB CATEGORY

Category 02: RECOMMENDED

2) SB ACCOMPLISHMENT

Embraer recommends the accomplishment of this Service Bulletin in the next 44 months or 10,000 Flight Hours (FH), whichever occurs first, after the first SB issue date.

## F. APPROVAL

The changes to the type design specified in this Service Bulletin have been approved by Agência Nacional de Aviação Civil (ANAC).

NOTE: If any aircraft listed in the SB effectivity has an incorporated modification or repair that is not from EMBRAER and which affects the content of this Service Bulletin, the operator will take full responsibility for obtaining approval by a regulatory agency for any adaptation necessary before the incorporation of this Service Bulletin.

## G. ESTIMATED MANPOWER

This is an estimate of the manpower necessary to accomplish this Service Bulletin on a single aircraft.

It is intended for direct labor only, performed by experienced personnel and does not include the time to plan, prepare or inspect the work. Sealant, paint or adhesive curing times are not included either.

It is assumed that all the tools, parts and other means are readily available when necessary.

An adjustment to these values may be necessary to meet particular circumstances.

– Access opening: 0.3 man-hours.

– Inspection: None.

– Modification: 7.0 man-hours.

– Access closure: 0.3 man-hours.

– Test: 0.5 man-hours.

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**H. WEIGHT AND BALANCE**

None.

**I. SOFTWARE ACCOMPLISHMENT SUMMARY**

The Software Accomplishment Summary has been completed to meet the requirements of Radio Technical Commission For Aeronautics (RTCA) document DO-178B, Software Considerations in Airborne Systems and Equipment Certification.

**J. REFERENCES**

| | |
|---|---|
| AMM 190/( ) | Aircraft Maintenance Manual PART II - 20-00-00 - STANDARD PRACTICES-AIRFRAME. |
| AMM 190/( ) | Aircraft Maintenance Manual PART II - 27-00-00 - FLIGHT CONTROLS. |
| AMM 190/( ) | Aircraft Maintenance Manual PART II - 31-41-00 and 31-41-03 - INDICATING/RECORDING SYSTEMS. |
| AMM 190/( ) | Aircraft Maintenance Manual PART II - 34-61-00 - NAVIGATION. |
| AMM 190/( ) | Aircraft Maintenance Manual PART II - 45-45-00 - CENTRAL MAINTENANCE SYSTEM. |
| ITEM 190/( ) | Illustrated Tool and Equipment Manual. |
| SB190-31-0039 | INDICATING/RECORDING SYSTEMS - INSTALLATION OF PENTIUM M CARDS ON MAU (MODULAR AVIONICS UNIT). |
| SB190-31-0062 | INDICATING/RECORDING SYSTEMS - DVDR HARNESS MODIFICATION - FDR BUS 512. |
| HONEYWELL | Honeywell Document SIL D201805000044. |
| IB190-31-0002 | INDICATING/RECORDING SYSTEM - APM OPTIONS AND SETTINGS GUIDE. |

**K. OTHER PUBLICATIONS AFFECTED**

| | |
|---|---|
| AIPC 190/( ) | Aircraft Illustrated Parts Catalog - 31-41-00 - INDICATING/RECORDING SYSTEMS. |
| AIPC 190/( ) | Aircraft Illustrated Parts Catalog - 45-45-01 - CENTRAL MAINTENANCE SYSTEM. |
| AMM 190/( ) | Aircraft Maintenance Manual PART I - 31-41-00 - INDICATING/ RECORDING SYSTEMS. |
| AMM 190/( ) | Aircraft Maintenance Manual PART II - 31-41-03 - INDICATING/ RECORDING SYSTEMS. |
| ITEM 190/( ) | Illustrated Tool and Equipment Manual. |

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| | |
|---|---|
| IB190-31-0002 | Information Bulletin - APM Options And Settings Guide |
| AFM 190/( ) | Airplane Flight Manual [1] |
| AOM-1502 ( ) | Airplane Operations Manual [1] |
| ACFOG-5774 | Airplane Changes Flight Operations Guide [1] |
| QRH-3708/(E190) | Quick Reference Handbook [1] |
| QRH-3709/(E195) | Quick Reference Handbook [1] |
| DDPM-4600/( ) | Dispatch Deviations Procedures Manual [2] |
| SOPM-1755 | Standard Operating Procedures Manual [2] |
| MMEL | Master Minimum Equipment List [2] |

[1] This Service Bulletin affects the aircraft operation and a new set of these affected operation manuals is required. Before the accomplishment of this Bulletin, send the order to Embraer by e-mail (opereng@embraer.com.br) informing: SB number, aircraft SN and scheduled date for the SB application. The estimated delivery date will be provided by Embraer upon request.

[2] This list of flight operational publications may be shorter depending on the previous EPIC LOAD software installed in the aircraft. The customer must contact Embraer Flight Operations Engineering and Support to confirm the affected publication by e-mail (opereng@embraer.com.br).

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## 2. MATERIAL INFORMATION

### A. MATERIAL - PRICE AND AVAILABILITY

(1) MATERIAL AVAILABLE FROM EMBRAER

(a) Download the CMC LDI database directly from the Flyembraer website (www.flyembraer.com):

| CMC LDI Part Number | Applicability | Applicability |
|---|---|---|
| 190LDI27.4V27.1PM-V17.2 | For aircraft equipped with NIC/PROC Modules Pentium M | For aircraft equipped with FADEC version V5.40 or higher |

NOTE: 1) It will be necessary to log in to the FlyEmbraer website with a username and password to download the CMC LDI database. For details on how to download and install the CMC LDI software from FlyEmbraer, refer to Step 3.H. of 3. ACCOMPLISHMENT INSTRUCTIONS of this bulletin.

2) LOAD 27.4 requires Full-Authority Digital Electronic-Control (FADEC) version V5.40 or higher.

(b) Find the APM Options PN applicable for each aircraft in the Information Bulletin IB190-31-0002 - APM OPTIONS AND SETTINGS GUIDE and upload this PN during this SB accomplishment. For details on how to find the installed APM Options PN, refer to AMM TASK 31-41-00-970-801-A/200 - Configuration Monitor System (CMS) - System Configuration Check. The applicable APM Options PN should be procured from the operator's inventories or ordered from Honeywell.

(c) APM Settings definition file must be created for the accomplishment of Step 3.E. of 3. ACCOMPLISHMENT INSTRUCTIONS.

To create APM Settings definition file, refer to AMM TASK 31-41-03-470-802-A/200 - Aircraft Personality Module (APM) Settings - Editing and to APM Settings reference files given in Information Bulletin IB190-31-0002 - APM OPTIONS AND SETTINGS GUIDE.

In LOAD 27.4, CMC Downlink Reports can be configured through APM Settings parameters. IB190-31-0002 APM Settings Reference Files gives the three existing CMC Downlink Reports options as given in Loadable Diagnostic Information (LDI) Files of previous LOAD versions (from letter A to C). Since these parameters can be changed according to operators needs, other configurations of CMC Downlink Reports can be defined as given in AMM TASK 31-41-03-470-802-A/200 - Aircraft Personality Module (APM) Settings - Editing instructions.

(d) Information Bulletin IB190-31-0002 - APM OPTIONS AND SETTINGS GUIDE is available at FlyEmbraer website (www.flyembraer.com) in the path described below:

1 Log in to Flyembraer website and access eTechPubs portal.

2 Select "Information Bulletin" under "Service Bulletins".

3 Select IB190-31-0002 - APM OPTIONS AND SETTINGS GUIDE.

(2) MATERIAL AVAILABLE FROM OTHER VENDORS

(a) The compact disk listed in the table below should be procured from the operator's inventories or ordered from Honeywell.



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| Honeywell CD-ROM Part Number | Description | Quantity |
|---|---|---|
| MM7027704-315 | LOAD 27.4 OPS PN PS60003259-0314 | 01 |

(b) Once ordered from Honeywell, the APM Options file will be available for download on Honeywell My Aerospace website (http://myaerospace.honeywell.com) at the "Aircraft Personality Module (APM)" in the "SOFTWARE&DATA" menu. Refer to 2.B. INDUSTRY SUPPORT INFORMATION for more details.

NOTE: Load 27.4 will implement a security code for the APM Options. It is an 8-character password necessary to install the APM Options. This password will be available at Honeywell website after the Purchase Order is received.

(c) Make sure that the compact disks with the currently applicable databases listed below are available before the accomplishment of this bulletin:

| |
|---|
| EGPWM Envelope Modulation database |
| EGPWM Terrain Threat database |
| AEDB (Aero Engine Database) for ERJ 190/195 PN PS60002391-0007 or later approved version (Media PN DM60002391-0007) |
| MAGVAR database PN PS60001004-0009 or later approved version (Media PN DM60001004-0009) |
| FMS Navigation database compatible with LOAD 27.4 Next Generation FMS (Operators must subscribe to NG-FMS Navigation database) |
| CMF AMI database PN 69002855-508 or a customized version compatible with LOAD 27.4 (Applicable to aicraft equipped with EPIC CMF) |
| ECL database:<br>ECL Designer Tool version 7.7<br>Subdatabase: Erj025.sdb<br><br>(Applicable only for aircraft equipped with ECL) |
| ATC database PN PS60001005-0017 or higher version<br><br>(Applicable only for aircraft equipped with FANS-2) |
| TOLD database PN 60002085-004<br><br>(Applicable only for aircraft equipped with NG-FMS TOLD (Gold Package)) |

## B. INDUSTRY SUPPORT INFORMATION

Contact Honeywell for the necessary documentation or current material prices, availability and lead-times.

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For the APM Options Part Numbers, operators must contact apmorderentry@honeywell.com. Also for other databases, refer to Honeywell Service Information Letter (SIL) D201805000044 for details on ordering the Honeywell Part Numbers called out in this Service Bulletin.

For general information on spares orders contact:

Honeywell Customer Care Center
US & Canada(Toll Free): 1-800-601-3099
International: 1-602-365-3099
www.myaerospace.com

**C. MATERIAL NECESSARY FOR EACH AIRCRAFT**

None.

**D. MATERIAL NECESSARY FOR EACH SPARE**

None.

**E. REIDENTIFIED PARTS**

None.

**F. TOOLING - PRICE AND AVAILABILITY**

Whenever required, the necessary tooling presented in the AMM Tasks referred to in this bulletin, should be procured from the operator's inventories or ordered as spares.

Refer to ITEM GSE 270 for the applicable Remote Terminal (RT) and Data Loading System (DLS) version required for the accomplishment of this bulletin. The applicable Tools Compact Disk PN should be procured from the operator's inventories or ordered from Honeywell.

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## 3. ACCOMPLISHMENT INSTRUCTIONS

NOTE:

1) Obey all of the WARNINGS and CAUTIONS included in the referenced manuals and procedures.

2) The Manuals and other documents are referred to by acronyms or using a simplified form. Refer to section 1.J. REFERENCES for more complete definition.

The steps below outline the general accomplishment instructions.

A. Make sure that the aircraft is safe for maintenance. Refer to the applicable AMM TASK 20-00-00-910-801-A/200 - Aircraft Maintenance Safety Procedures - Standard Procedures.

B. Make sure that the versions of the Remote Terminal (RT) and Data Loading System (DLS) installed into Personal Computer (PC) are RT 27.1 + DLS 8.1.1.

C. Make sure that PRIMUS EPIC LOAD 27.4 PN PS60003259-0314 (Media PN MM7027704-315) is available before the accomplishment of the steps that follow.

D. Make sure that the compact disks with the current applicable databases shown in Item 2.A.(2)(c) of 2. MATERIAL INFORMATION are available before the accomplishment of the steps that follow.

E. Create the APM Settings file and do the procedure to full upload the APM settings, according to AMM TASK 31-41-03-470-802-A/200 - Aircraft Personality Module (APM) Settings - Editing and AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading. Refer to IB190-31-0002 - APM OPTIONS AND SETTINGS GUIDE for the APM Settings Reference Files.

NOTE: 1) In LOAD 27.4, CMC Downlink Reports can be configured through APM Settings parameters. IB190-31-0002 APM Settings Reference Files gives the three existing CMC Downlink Reports options as given in Loadable Diagnostic Information (LDI) Files of previous LOAD versions (from letter A to C). Since these parameters can be changed according to operators needs, other configurations of CMC Downlink Reports can defined according to AMM TASK 31-41-03-470-802-A/200 - Aircraft Personality Module (APM) Settings - Editing instructions.

2) APM Settings already released for LOAD 27.3 are compatible with LOAD 27.4.

F. Do the full upload of the applicable APM Options according to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading. Refer to 2.A. MATERIAL - PRICE AND AVAILABILITY for the APM Options selection information.

NOTE: 1) Load 27.4 will implement a security code for the APM Options. It is an 8-character password necessary to install the APM Options. This password will be available on Honeywell website after the Purchase Order is received.

2) APM Options PNs released for LOAD 27.4 are not compatible with APM Options PNs released for previous LOAD versions.

CAUTION: DO NOT POWER CYCLE THE AIRCRAFT BEFORE THE PRIMUS EPIC LOAD 27.4 AND APM OPTIONS HAVE BEEN FULLY LOADED.

G. Do the full upload of the operational software PRIMUS EPIC System LOAD 27.4 - PN PS60003259-0314). Refer to the applicable AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

NOTE: If Network Interface Controller (NIC) 2 does not load, change the laptop connection from the external Local Area Network (LAN) port to the Local Area Network (LAN) port located in the

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middle avionics compartment, or to the Data-Loader Management Unit (DMU) III RJ45 connector, when this option is installed, and do a new target load of Network Interface Controller (NIC) 2.

H. Do the full upload of the CMC LDI database V17.2, as applicable, as follows:

(1) Log in to the FlyEmbraer website, with your username and password.

(2) Below r the "Support Center" option, select the "Download Center" menu item.

(3) Select the applicable aircraft model (Commercial Jets).

(4) Select the items in this sequence: Maintenance/Technical Support/E-JETS/Aircraft Softwares and Reports/ LDI - Loadable Diagnostic Information - Repository/Aircraft LDIs.

(5) Select the applicable program (Embraer 190/195) and then the version LDI V17.2, as applicable.

(6) Click on the applicable part number to download the file. Refer to 2.A. MATERIAL - PRICE AND AVAILABILITY.

(7) Unzip the contents of the downloaded file on your Personal Computer (PC) local drive and keep the directory structure of the zip file.

(8) Burn the zip file contents on a recordable CD, keep the original directory structure and use any CD-Recording application. Use the ISO 9660 file system standard and a volume label with no more than 16 characters.

NOTE: If the directory structure on the CD is different from the original structure of the zip file, the Data Loading System (DLS) will not recognize the media and the LDI will not be loaded.

(9) After the CD burning, do the full load of the CMC LDI database. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

I. For aircraft equipped with EPIC Communications Management Function (CMF), do the full upload of the applicable EPIC CMF AMI database. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

| AMI Database Software PN | NIC/PROC, AIOP Modules |
|---|---|
| 69002855-508 or a customized version applicable to LOAD 27.4 | Pentium M |

J. Do the full upload of the AEDB database PN PS60002391-0007, media PN DM60002391-0007. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

K. Do the full upload of the MAGVAR database PN PS60001004-0009 (media PN DM60001004-0009) or later approved version. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

L. Do the full upload of the current applicable FMS Navigation database. Refer to AMM TASK 34-61-00-470-801-A/200 - Navigation Database - Loading.

NOTE: Operators must call Honeywell and subscribe to the NG-FMS Navigation database in order to get the applicable FMS database.

M. Do the full upload of EGPWM Envelope Modulation database. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

N. Do the full upload of EGPWM Terrain Threat database to the EGPWM module. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.



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O. For aircraft equipped with Electronic Checklist (ECL), do the full upload of the applicable ECL database. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

ECL Designer Tool version 7.7

Subdatabase: Erj025.sdb

P. For aircraft equipped with Future Air Navigation System (FANS) 2, do the full upload of the Air Traffic Control (ATC) database PN PS60001005-0017 or higher version. Refer to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

Q. For aircraft equipped with NG-FMS TOLD (Gold Package), do the full upload of Takeoff and Landing Data (TOLD) database PN 60002085-004 according to AMM TASK 45-45-00-470-801-A/200 - Aircraft Field-Loadable Software Uploading.

R. Do the flight controls system return-to-service test. Refer to AMM TASK 27-00-00-070-801-A/200 - Flight Controls System (Return-to-Service) - Test.

S. Put the aircraft back to a serviceable condition.

T. Write the accomplishment of this bulletin in the applicable documents.

NOTE: Please use the online SB evaluation form available on the FlyEmbraer portal (http://www.flyembraer.com). Go to "Maintenance > eTechPubs > Utilities > SB Evaluation Form" to inform us about the SBs that you have incorporated in your fleet, as well as the difficulties found during the SB incorporation.
This will allow Embraer to consider your aircraft configuration when providing future modifications.

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