

Advisory Wire

REFERENCE NO: AW300-46-0299 Rev 01

ATA: 46-21

SUBJECT: IFIS Loading Lockup of Jeppesen Electronic Chart Database

EFFECTIVITY:

Challenger 300
Challenger 350 / 3500

1. REFERENCES:

- 1.1. Rockwell Collins Operational Service Bulletin, OPSB 0179-18, R5 or later, World Jeppesen Charts database file size may exceed IFIS system memory parameter
- 1.2. Jeppesen Article 2867: Charts load fails at 97-99% on a Rockwell Collins Pro Line system
Article Link:
<https://support.jeppesen.com/article?pc=&pid=&aid=kA20z000000ChozCAC>
- 1.3 Jeppesen Article 3759: Only One Region Appears in Proline 21 or Fusion Chart Subscription Page when Subsetting. Article Link:
<https://support.jeppesen.com/article?pc=&pid=&aid=kA20z000000kA4FCAU>

2. INTRODUCTION:

The Revision 1 of this AW advises operators that Collins Aerospace has released new FSA-5000 software which allows to load Jeppesen Charts database size up to 2GB. The selection and download of the full database is at the operators discretion based on awareness of what software is installed on the aircraft in accordance with the Aircraft Illustrated Parts Catalog (AIPC).

Collins published the Ref. 1.1 OPSB concerning the issues while attempting to load a Jeppesen Electronic Charts (E-chart) world database into the File Server Unit (FSU) that exceeds the memory parameter of the Integrated Flight Information System (IFIS).

3. DESCRIPTION:

Jeppesen E-chart world database sizes have accelerated in growth as more LPV-based procedures and SID/STAR navigation chart enhancements are added world-wide. If a database file size exceeds the allowable memory size of the FSU, the system will abort the load, typically at 97-99% completion. Refer to the Ref.1.1.

Advisory Wire

Rockwell Collins worked with Jeppesen to offer an interim solution via Jeppesen Distribution Manager (JDM). It includes a check function to confirm the new file size is OK before sending it to the USB, and a chart subsetting feature to customize the coverage regions. Jeppesen article ref 1.2 published on their website provides instructions on how to reduce the file size by selecting subset of the charts database.

Operators using Database Unit (DBU), Aircraft Information Manager (AIM) portal, or Rockwell Collins Portable Access Software (CPAS) to load their charts database are recommended to:

- Log into JDM and download their charts database
- Subset to bring the file size under the allowable database file size
- Load charts database via USB on aircraft

Using JDM for subsetting world charts allows you to select a portion of the regions, thereby reducing the size of the database. However, JDM automatically picks one of the existing regions as the name of this new subset region which will be shown on the Multi-Function Display (MFD). This may seem as though the other regions have been dropped from this database, but in actuality, this is a customized database which includes all the airports and geographical regions that were selected during the subset (see the ref. 1.3 for more details).

The release of new FSA-5000 software in accordance with Collins OPSB (ref 1.1) allowing to load Jeppesen Charts database size of up to 2GB mitigates the need to subset the charts.

4. ACTION:

Operators are advised to be aware of the loading lockup referenced in the Rockwell Collins OPSB ref. 1.1 and to use the JDM tool in accordance with the instructions in Jeppesen articles ref. 1.2 & 1.3 to reduce the file size of world databases that exceed the memory parameter limit. Operators can refer to the latest revision of the Collins OPSB (ref 1.1) to identify FSA-5000 software that allows to load Jeppesen Charts database size up to 2GB.

Should you have any queries pertaining to this Advisory Wire, please contact your Bombardier Field Service Representative (FSR) or the Customer Response Center (CRC).