



**DEPARTMENT OF THE AIR FORCE**  
AIR FORCE LIFE CYCLE MANAGEMENT CENTER  
HANSCOM AIR FORCE BASE MASSACHUSETTS

8 November 2021

MEMORANDUM FOR GE Aviation Systems LLC (MR. FREDERICK HALL)

FROM: AFLCMC/HBA  
75 Vandenberg Drive, Bldg. 1630  
Hanscom AFB MA 01731-2103

SUBJECT: Type 2 Letter of Acceptance (LOA) Standards and C130J Block 8.1.1 Update

1. The Air Force Life Cycle Management Center/Aerospace Management Systems Division (AFLCMC/HBA) determined that General Electric (GE) Aviation Systems complies with Advisory Circular (AC) 20-153B *Acceptance of Aeronautical Data Processes and Associated Databases* and RTCA/DO-200B *Standards for Processing Aeronautical Data* with regards to their processing of Jeppesen navigation data using the Navigation Database Packing Program (drawing number 559603), using the Navigation Database Explorer Tool v2.1 and the processes described in GE Aviation Systems *DO-200 Compliance Plan for Navigation Database Production* document number ED5086 Revision B. Since GE Aviation Systems supports all Flight Management Systems with one packing program, this updated LOA establishes compatibility using the Jeppesen navigational database used with the following systems:

<b>Aircraft Configuration</b>	<b>Lockheed Martin Aero CNI-SP Hardware#:</b>	<b>GE OFP Software#:</b>
<b>C-130J Block 8.1</b>	698265-1 (Legacy), 698265-5 (HW Tech Refresh)	558980-003, 558980-005
<b>C-130J Block 8.1.1</b>	698265-1 (Legacy), 698265-5 (HW Tech Refresh)	652089-002

2. The following terms and conditions are applicable to this LOA, are not transferable, and are effective until this LOA is surrendered or withdrawn by the holder, or terminated by AFLCMC/HBA:

a. The GE Aviation Systems data quality requirements for the receipt of data from other sources, and for the delivery of data to its customers, are defined in the following documents:

YV2259 Rev N; *Data Quality Requirements (DQR) for the Navigation Database & Flight Management System*

LA1362 Rev Y; *Data Quality Requirements for the Navigation Database Packing Program*

LA1737 Rev B; *Data Quality Requirements for the Navigation Database Packing Program*

b. The GE Aviation procedures for processing data are defined in the *DO-200 Compliance Plan for Navigation Database Production* document.

c. Reporting of Failures, Malfunctions, and Defects: GE Aviation Systems must report to AFLCMC/HBA any failure, malfunction, or defect of the aeronautical data produced under this LOA that may have a safety effect on operational use of the data.

d. Maintain a Quality Management System (QMS): GE Aviation Systems must maintain a QMS as described in RTCA/DO-200B, Section 2.5. Changes to the QMS that may affect the data quality objectives or the ability to meet those objectives must be reported to AFLCMC/HBA before implementation.

(1) The data provided by the software listed in this LOA ensures verification data is not degraded from source. The verification and validation of source data for end-use shall be established by the GE Aviation Systems *Quality System Manual* Rev F part number SYNOP-1 or other methods of accomplishing equivalent verification and validation.

e. Design Changes: Upon receipt of notification by AFLCMC/HBA that an unsafe condition exists in a database product supplied under this LOA, GE Aviation Systems shall develop a corrective action and submit it to AFLCMC/HBA for approval. GE Aviation Systems shall expedite distribution of the approved corrective action to customers and users.

f. GE Aviation Systems must perform periodic internal audits covering the objectives of AC20-153B and RTCA/DO-200 as described in RTCA/DO-200B, Section 3, with a maximum time between audits (whether total or incremental) of not more than one year. Any major non-conformity as described in RTCA/DO-200B, section 3.4 must be reported to AFLCMC/HBA. Additionally, AFLCMC/HBA will perform periodic audits in accordance with procedures described within RTCA/DO-200B Section 3.

g. GE Aviation Systems must advise end-users of the status of this LOA as well as the status of Letters of Certification and LOAs (or foreign acceptance, including designation of the foreign authority that acknowledges the foreign source's compliance to RTCA/DO-200B and the means of approval or acceptance) for all previous chain participants (up to, but not including, a Contracting State's Aeronautical Information Publication). The method must be timely to ensure that customers can react to changes in the status of GE Aviation's Type 2 LOA.

3. This LOA is intended to document AFLCMC/HBA acceptance that the software and processes described in the GE Aviation Systems DO-200B Compliance Plan for Navigation Database Production implement a compliant navigation data process to provide for in-flight use of the navigation data.

4. If you have any questions, please contact Mr. Kevin Carey at (781) 225-5405 or kevin.carey.1@us.af.mil.

MICHAEL J. ALEXANDER, Colonel, USAF  
Senior Materiel Leader  
Aerospace Management Systems Division

2 Attachments:

1. Email\_from\_GE\_on\_Block\_8.1.1\_Legacy\_HW, 8 Nov 21
2. Type 2 Letter of Acceptance (LOA) 17 Sep 21