



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Aviation Safety

Compliance and Airworthiness Division  
Denver ACO Branch  
26805 E. 68<sup>th</sup> Ave, Room 214  
Denver, CO 80249

April 7, 2023

FAA Letter Number: 7D0-23-00149

Boeing Digital Aviation Solutions  
Attn: Michael Rowley, Sr. Manager, Quality Services  
55 Inverness Drive East  
Englewood, CO 80112-5498

Dear Mr. Rowley:

Subject: FAA Type I Letter of Acceptance (LOA), LOA0012DE, XML Format Database

The Federal Aviation Administration (FAA) has verified that Boeing Digital Aviation Solutions, hereafter referred to as “Boeing DAS” satisfies the objectives of AC 20-153B, *Acceptance of Aeronautical Data Processes and Associated Databases*, and RTCA/DO-200B, *Standards for Processing Aeronautical Data*, regarding processing of navigation data. This Type I LOA does not authorize Boeing DAS to supply navigation data directly to an operator (e.g. end-user, airlines) for loading into the installed equipment.

This data may include tailored data not originating from a State authority. The end user must satisfy itself on the suitability of tailored data for intended use.

The following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA:

1. Boeing DAS receives data, such as Aeronautical Information Publications (AIP), from approved State sources. Data quality requirements for the receipt of data from other sources and for the delivery of data to their customers are defined in Data Quality Requirements for Aeronautical Information Data Boeing Flight Management System 737, DBAV-FM0045, Rev. A, August 31, 2020, or later FAA approved version.
2. Boeing DAS’s tools and procedures for processing data are defined in department procedures that are compliant with Boeing DAS Corporate Quality Manual, Version 2.0, dated 15 December 2022.

3. Reporting of Failures, Malfunctions, and Defects: Boeing DAS must report to the Denver ACO Branch Manager at (303) 342-1081, any failures, malfunctions, or defects of the aeronautical database produced under this LOA having a potential safety effect on the operational use of this data.
4. Maintain a Quality Management System (QMS): Boeing DAS must maintain a QMS as described in RTCA/DO-200B, section 2.5. Changes to the QMS affecting the data quality objectives must be reported to the Denver ACO Branch for acceptance prior to implementation.
5. Design Changes:
  - a. Boeing DAS must submit minor changes to the data quality requirements, the data processing standards, or the QMS to the Denver ACO Branch in accordance with the procedures described within Boeing DAS's Corporate Quality Manual, Document Control Procedures, and/or Document Control Work Instructions. All other changes are considered major, and must be substantiated and accepted prior to implementation in the same manner as the original LOA.
  - b. Upon receipt of notification by the Denver ACO Branch of an unsafe condition existing in a database product supplied under this LOA, Boeing DAS shall develop corrective action and submit it to the Denver ACO Branch for acceptance. Boeing DAS shall expedite distribution of the accepted corrective action to customers and users.
6. Boeing DAS must perform periodic internal audits of both AC 20-153B and RTCA/DO-200B as described in RTCA/DO-200B, section 3, with a maximum time between audits (whether total or incremental) of not more than one year. Audits may be conducted incrementally or wholly, as long as you audit all the objectives at least annually. Any major non-conformities as described in RTCA/DO-200B, section 3.4 must be reported to the Denver ACO Branch. Additionally, the FAA may perform periodic audits in accordance with procedures described within RTCA/DO-200B, section 3.
7. Boeing DAS must provide a release statement with each database distribution to broadcast LOA status, state their compliance, and information on known deviations and modifications.
8. Boeing DAS must advise their customers of the status of their LOA as well as the status of 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 State's Aeronautical Information Publication). The method must be timely to ensure that customers can react to changes in the status of their LOA.

If further information concerning this project is needed, please contact your project engineer, Ms. Ronnea Derby, at (303) 342-1093 or by email at [Ronnea.L.Derby@faa.gov](mailto:Ronnea.L.Derby@faa.gov).

Sincerely,

For  
Jeffrey Zimmer  
Acting Manager  
Denver ACO Branch

cc: AIR-622