



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

Aviation Safety

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

November 29, 2021

FAA Letter Number: 7D0-21-16418

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

Subject: FAA Type I Letter of Acceptance (LOA), LOA0011DE, Navigation Database

Dear Mr. Rowley,

This letter supersedes Jeppesen Sanderson Navigation Database Type I Letter of Acceptance (LOA), LOA0002LA, is issued to Boeing Digital Solutions, Inc., and assigns the Denver ACO Branch as the oversight office.

The Federal Aviation Administration (FAA) has verified that Boeing Digital Solutions Inc., hereafter referred to as “Boeing DS&A”, 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 the processing of navigation data. This Type I LOA does not authorize Boeing DS&A to supply navigation data directly to an operator (e.g. end-user, airlines) for loading into the installed equipment.

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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA: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 DS&A 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 an FAA-approved revision of the following documents
 - a. for ARINC 424 format, Jeppesen NavData Data Definition Document (DDD), document number ATRS_R-002, Version 3.9, dated 10/06/20, or later FAA approved version, and
 - b. for Jeppesen Data Interchange Format (JDIF) format, Jeppesen Data Interchange Format (JDIF) Data Definition Document (DDD), document # ATRS_R-016, version 1.2, dated 6 May 2021, or later FAA approved version.

2. Boeing DS&A's tools and procedures for processing data are defined in department procedures that are compliant with Boeing DS&A's Corporate Quality Manual, Version 1.5, dated 09/09/21.
3. Reporting of Failures, Malfunctions, and Defects. Boeing DS&A 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 DS&A must maintain a Quality Management System (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 DS&A 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 DS&A'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 DS&A shall develop corrective action and submit it to the Denver ACO Branch for acceptance. Boeing DS&A shall expedite distribution of the accepted corrective action to customers and users.
6. Boeing DS&A 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. 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 DS&A must provide a release statement with each database distribution to broadcast LOA status, state their compliance, and provide information on known deviations and modifications.
8. Boeing DS&A 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 Contracting State's AIP). 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.

Sincerely,

Robert C. Jones
Acting Manager
Denver ACO Branch

CC: AIR-622, AIR-793