



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

Aviation Safety
Aircraft Certification Service
Compliance & Airworthiness Division

West Certification Branch
3960 Paramount Boulevard, Suite 100
Lakewood, CA 90712-4102

Date: See digital signature

In Reply
Refer To: 776-24-00399

Boeing Digital Aviation Solutions (DAS)
Attn: Alistair Johnson, DAS COO
55 Inverness Drive East
Englewood, CO 80112-5498

Dear Mr. Johnson:

Subject: Reissuance of Type II Letter of Acceptance (LOA) #LOA0010DE for the Pre-composed Electronic Chart Database using the Jeppesen Integrated Toolkit (JIT) 2.3.1 Process

This letter supersedes Jeppesen Sanderson's Type II Letter of Acceptance (LOA), #LOA0010DE, for pre-composed electronic chart data which was originally issued by the Denver Aircraft Certification Office on December 29, 2017. This letter also reissues the LOA to Boeing Digital Aviation Solutions, and assigns the Federal Aviation Administration (FAA) West Certification Branch (WCB) as the oversight office.

The FAA has verified Boeing Digital Aviation Solutions (BDAS), hereafter referred to as "Boeing DAS", meets the objectives of AC 20-153B, *Acceptance of Aeronautical Data Processes and Associated Databases*, regarding processing of pre-composed electronic chart data using the JIT 2.3.1 Process. This Type II LOA authorizes Boeing DAS to supply pre-composed electronic chart data directly to an operator (e.g. end-user, airlines) for loading into the installed equipment. Compatibility has been established with the hardware and software identified in Boeing DAS Pre-composed_Chart_Approved_Equip_List, Version 1.0, dated 14 November 2017 (or later FAA-approved revision).

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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA: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, from approved State Sources. Data quality requirements for the receipt of data from other sources, and for the delivery of data to its customers, are defined in Jeppesen Precomposed Charting Data Definition Document (DDD), Version 1.0, dated 10-25-2017 (or later FAA-approved revision).

2. Boeing DAS procedures for processing data are defined in departmental procedures that are compliant with D950-11728-1, Revision N, Boeing Global Services (BGS) Quality Manual, Appendix H, dated November 29, 2023, or later.
3. Reporting of Failures, Malfunctions and Defects. Boeing DAS must report to the FAA West Certification Branch (via e-mail to 9-avs-wcb-correspondence@faa.gov) any failure, malfunction, or defect of the aeronautical data produced under this LOA having a potential safety effect on operational use of the 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 FAA West Certification 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 FAA West Certification Branch in accordance with procedures described within the BGS 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 FAA West Certification Branch of an unsafe condition existing in a database product supplied under this LOA, Boeing DAS shall develop a corrective action and submit it to the FAA West Certification 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 of not more than one year. Audits may be total or conducted incrementally, 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 FAA West Certification Branch. Additionally, the FAA may perform periodic audits in accordance with procedures described within the BGS Quality Manual.
7. Boeing DAS must provide a release statement with each database distribution to broadcast LOA status, state your compliance, and provide information on known deviations and modifications.
8. Boeing DAS must advise customers of the status of its LOA as well as the status of LOAs (or foreign acceptance, including designation of the foreign authority acknowledging 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 customers can react to changes in the status of its LOA.

If you have questions, please contact Tien V. Nguyen, Engineer, West Certification Branch, Avionics & Electrical Systems Section, AIR-776, at phone number (206) 231-3554, or by email at Tien.V.Nguyen@faa.gov.

Sincerely,

for Gregory S. DiLibero
Manager, West Certification Branch
Compliance & Airworthiness Division
Aircraft Certification Service