



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

Compliance & Airworthiness Division
Wichita ACO Branch
1801 Airport Road, Room 100
Wichita, Kansas 67209

June 7, 2020

Reply to: 7K0-22-8898

Mr. Sean Timp
FAA Coordinator, 124-301
Rockwell Collins, Inc.
400 Collins Road NE
Cedar Rapids, IA 52498

Subject: Request for New Type 2 Letter of Acceptance for Rockwell Collins Aeronautical Data Process for Airways Airspace Database

Reference: Rockwell Collins letter dated 12 May 2022 Request for New Type 2 Letter of Acceptance for Rockwell Collins Aeronautical Data Process for Airways Airspace Databases, Rockwell Collins Package #42311

Dear Mr. Timp:

TYPE 2 FAA LETTER OF ACCEPTANCE

The FAA has verified Rockwell Collins meets the objectives of AC 20-153B with regard to its processing of Airways Airspace Database data. For this Type 2 Letter of Acceptance (LOA), compatibility has been established with the avionics systems identified in List of Applicable Part Numbers, dated February 1, 2022.

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terms and conditions are applicable to this LOA, are not transferrable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA:

1. Rockwell Collins' data quality requirements for the receipt of data from other sources, and for the delivery of data to its customers, are defined in Rockwell Collins documents *DO-200B Compliance Plan for the Processing of Navigation Data* (946-0F80-001 Rev. E) and *Data Quality Requirements for Jepp13 Delivery* (832-2745-006 Rev.-).
2. Rockwell Collins' procedures for processing data are defined in Rockwell Collins document *Aeronautical Data Team Processing Procedures* (946-1M82-001 Rev. D).
3. Reporting of Failures, Malfunctions, and Defects. Rockwell Collins must report to the FAA Wichita ACO 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). Rockwell Collins 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 ACO/MIDO for acceptance prior to implementation.

5. Design Changes
 - a. Rockwell Collins must submit minor changes to the data quality requirements, the data processing standards, or the QMS to the FAA Wichita ACO in accordance with procedures described within Rockwell Collins document *Aeronautical Data Team Quality Management Procedures* (946-1M83-001 Rev. B). 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 Wichita ACO of an unsafe condition existing in a database product supplied under this LOA, Rockwell Collins shall develop a corrective action and submit it to the FAA Wichita ACO for acceptance. Rockwell Collins shall expedite distribution of the accepted corrective action to customers and users.
6. Rockwell Collins 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 Wichita ACO. Additionally, the FAA may perform periodic audits in accordance with procedures described within Rockwell Collins document *Design Quality Assurance* (ET-DAC-P-001).
7. Rockwell Collins 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. Rockwell Collins 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 Aeronautical Information Publication). The method must be timely to ensure customers can react to changes in the status of its LOA.

Sincerely,

DANIEL S Digitally signed by
DANIEL S HILTON
HILTON Date: 2022.06.08
06:35:59 -05'00'

Daniel S. Hilton
Electrical Systems and Avionics
Associate Manager
Wichita Aircraft Certification Office Branch

cc: Minneapolis MIDO

Enclosures

<u>Document No.</u>	<u>Document Title</u>
No RCPN, No Rev.	Rockwell Collins Form 3 for the DBPS Processor and Verification Tool Qualification, dated 25 April 2022 (TCR-068)
946-0F80-001, Rev. E	DO-200B Compliance Plan for the Processing of Navigation Data, dated 20 October 2021
946-1M81-001, Rev. C	Aeronautical Data Team Configuration Management Procedures, dated 3 February 2022
946-1LW7-001, Rev. A	Aeronautical Data Team Personnel Management Procedures, dated 23 March 2020
946-1M82-001, Rev. D	Aeronautical Data Team Processing Procedures, dated 3 February 2022
946-1M83-001, Rev. B	Aeronautical Data Team Quality Management Procedures, dated 23 March 2020
946-1P43-001, Rev. F	Configuration Index Drawing for the Aeronautical Data Team, dated 28 January 2022
096-0CY0-010, Rev. -	Computer Program Configuration Item for the Database Processing Software (DBPS) Verifier Qualification Procedures and Results, dated 8 October 2021
946-0F77-001, Rev. C	Software Development Plan for the Database Processing System (DBPS), dated 5 November 2021
946-0F78-001, Rev. -	Addendum to the Software Development Plan for the Database Processing Software (DBPS) Planning Activities Specific to the DBPS Upgrade Project, dated 3 December 2018
815-0284-001, Rev. A	Core Airways Database Format Specification, dated 3 December 2018
815-0285-002, Rev. B	Airways Database Format Specification, dated 8 April 2019
946-0LN7-007, Rev. -	User's Guide for the Database Processing Software, dated 19 October 2021
832-2745-006, Rev. -	Navigation Data Quality Requirements for Jepp13 Delivery, dated 10 October 2018
No RCPN, No Rev.	Rockwell Collins DQR Signature Page for 832-2745-006, Rev. -, dated 16 October 2018
No RCPN, No Rev.	List of Applicable Part Numbers – Airways/Airspace Database, dated 1 February 2022
ET-DAC-P-001	Design Quality Assurance, dated 3 April 2019