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RC-22-011

Department of Transportation  
Federal Aviation Administration  
Wichita Aircraft Certification Office  
1801 Airport Road, Room 100  
Mid-Continent Airport  
Wichita, KS 67209

WTS# 22-DOC-25043



Attention: Ms. Nhien Hoang, Aerospace Engineer EE

Subject: Request for Minor Change to Type 2 Letter of Acceptance for Rockwell Collins Aeronautical Data Process for Airport Surface Databases, Rockwell Collins Package #41912

- Reference:
- (A) FAA / Rockwell Collins Type 2 LOA Audit, 31 July to 2 August 2018, Audit Team of Brad Miller (FAA), Nhien Hoang (FAA), Paul Rau (FAA)
  - (B) Rockwell Collins Letter dated 24 June 2019, Request for New Type 2 Letter of Acceptance for Rockwell Collins Aeronautical Data Process for Airport Surface Databases (RC 40367)
  - (C) FAA Letter dated 26 June 2019, Type 2 FAA Letter of Acceptance (LOA) for Ref. (B)
  - (D) Conformance Statement for the Rockwell Collins AFD-3730 Adaptive Flight Display, dated 11 March 2020 (RC 40824)
  - (E) FAA Approval Letter, dated 28 March 2020 for Ref. (D)
  - (F) Conformance Statement for the Rockwell Collins AFD-3740 Adaptive Flight Display, dated 19 November 2020 (RC 41662)
  - (G) FAA Approval Letter, dated 17 December 2020 for Ref. (F)
  - (H) Conformance Statement for the Rockwell Collins AFD-3760 Adaptive Flight Display, dated 19 November 2020 (RC 41663)
  - (I) FAA Approval Letter, dated 18 December 2020 for Ref. (H)
  - (J) Minor Change and TSO Upgrade (Major Change) Letter for the Rockwell Collins SVM-6110H Synthetic Vision Module with Integrated HUD, dated 10 August 2022 (RC 42395)

- (K) FAA Approval Letter, dated 15 September 2022 for Ref. (J)
- (L) CD-ROM, Type 2 LOA Submittal for the Airport Surface Databases, dated 21 September 2022, containing software documents

Dear Ms. Hoang:

Rockwell Collins is applying for a minor change to our Type 2 Letter of Acceptance (LOA) for our aeronautical data process. We meet the objectives of AC 20-153B and RTCA DO-200B and request your review of the enclosed data submitted in support of this application. We currently hold an FAA approved Type 2 Letter of Acceptance (LOA), Ref. (B) and Ref. (C), for the processing of aeronautical data for the Airport Surface Database (ASDb) received from our Type 1 LOA holder, Performance Software.

This letter is a request for an updated LOA that recognizes revisions to the Database Compliance Plan, the Database Tool Development and Qualification Plan, team procedures and the list of equipment compatible with the DQRs necessary to support the intended function. A brief description of the change and the change classification for each updated artifact is provided in Appendix B. Acceptance of our aeronautical data process is requested based on the specification and control of the data quality requirements, compliance with AC 20-153B and the compatibility of the delivered data with the following additional equipment.

<b>Database Type</b>	<b>Hardware Description</b>	<b>Hardware RCPN</b>	<b>Data Supplier</b>
ASDb	AFD-3730 Adaptive Flight Display	822-3547-001	Performance Software
ASDb	AFD-3740 Adaptive Flight Display	822-3604-001 822-3604-201	Performance Software
ASDb	AFD-3760 Adaptive Flight Display	822-3605-001 822-3605-201	Performance Software
ASDb	SVM-6110H	822-2539-501	Performance Software

Rockwell Collins has established compatibility with the equipment based on the original design documentation approved under the original TSO authorization, Refs. (D) through (K). The full list of compatible equipment can be found in Airport Surface Database Equipment and Data Suppliers, RCPN 946-6279-001, Rev. F. Compilation of data to the compatible format is accomplished using Rockwell Collins Tool 096-8025-002 or later revision. This tool did not change for this LOA submittal.

We developed the data at Rockwell Collins, 400 Collins Road NE, Cedar Rapids, IA 54298. Rockwell Collins hereby certifies that the Data Quality Requirements, Data Processing Procedures, and Quality Management System are in accordance with RTCA/DO-200B, section 2, and we produce airport surface data in accordance with this system.

Your efforts in support of this request are most appreciated.

Sincerely,

Sean M. Timp

**Sean**  
**Tim**  
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Digitally signed by  
Sean Timp  
Date:  
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## 4 Equipment and Data Suppliers

All equipment utilizing the ASDb and the data suppliers for the equipment are summarized in Table 1: Equipment and Data Suppliers.

**Table 1: Equipment and Data Suppliers**

Hardware Description	Hardware CPN	Data Supplier	Data Supplier DQR	Foreign Supplier	Data Supplier Approval Status
CCM-5110	822-1991-002	Performance Software	[2]	No	Approved
CCM-5110	822-1991-002	Performance Software	[3]	No	Approved
SVM-6110	822-2323-001	Performance Software	[3]	No	Approved
SVM-6110H	822-2539-001 822-2539-011 822-2539-101 822-2539-501	Performance Software	[3]	No	Approved
AFD-3700	822-3065-001	Performance Software	[3]	No	Approved
AFD-3710	822-3343-001	Performance Software	[3]	No	Approved
AFD-3730	822-3547-001	Performance Software	[3]	No	Approved
AFD-3740	822-3604-001 822-3604-201	Performance Software	[3]	No	Approved
AFD-3760	822-3605-001 822-3605-201	Performance Software	[3]	No	Approved