

FAA ACTION		
West Certification Branch		
☐ Approve	☐ Concur	☐ CFRs
☐ Reject	☐ Accept	☐ EASA CS
☒ Acknowledge		☐ CARs
TSO/Project #s: _____		
Comments: 		
Response Number: 776-25-00326		
File Code:		
for WCB Manager	GERARDO CATIBAYAN ARCA	Digitally signed by GERARDO CATIBAYAN ARCA Date: 2025.04.22 08:56:33 +0700

Type 2 FAA Letter of Acceptance

LOA0003LA – Appendix A

FMS Navigation Databases

LOG OF REVISIONS

Rev: 00	Released: 16-Apr-2007	Author: Kenneth Lenger
	Initial release	
Rev: 01-66	Released: Various	Revised By: Various
	Refer to the original document for revision information	
Rev: 67	Released: 15-Feb-2024	Revised By: Wayne Fisch
Table 1:	Updated document EP0994 from Rev. ZBV to Rev. ZBW	
	Updated document EP1350 from Rev. ZBA to Rev. ZCB	
	Updated document EP1654 from Rev. T to Rev. U	
Rev: 68	Released: 28-Mar-2024	Revised By: Wayne Fisch
Table 1:	Updated document DQR-200004 from Rev. D to Rev. E	
Rev: 69	Released: 22-Jul-2024	Revised By: Wayne Fisch
Table 1:	Updated document EP994 from Rev. ZBW to Rev. ZBX	
	Updated document EP1350 from Rev. ZCB to Rev. ZCC	
Rev: 70	Released: 28-Jan-2025	Revised By: Wayne Fisch
Report Header	Removed DM number from header on all pages	
Table 1:	Updated document EP994 from Rev. ZBX to Rev. ZBY	
	Updated document EP1350 from Rev. ZCC to Rev. ZCD	
Rev: 71	Released: 28-Mar-2025	Revised By: Wayne Fisch
Table 1:	Updated document EP994 from Rev. ZBY to Rev. ZBZ	
	Updated document EP1350 from Rev. ZCD to Rev. ZCE	

All changes incorporated in this revision are highlighted.

- a. Acceptance of Universal Avionics System Corporation aeronautical data process is provided based on the specification and control of the data quality requirements provided in Table 1, compliance with AC 20-153A and RTCA/DO-200A, and the compatibility of the delivered data with the Flight Management System products listed in Table 2.

Table 1

Document Number	Description
SOP-ENG-DB-07.01 Rev. 03, 1-Nov-2021	<i>Aeronautical Database Development and Sustainment</i>
SOP-ENG-DB-07.02 Rev. 04, 19-Aug-2016	<i>Tool Development and Qualification for Aeronautical Databases</i>
SOP-ENG-DB-03.01 Rev. 03, 19-Aug-2016	<i>Aeronautical Database Support Procedures</i>
EP0984N 29-Jun-2017	<i>Data Requirements for the Jeppesen Source Data for the UASC FMS Navigation Databases</i>
EP0987D 15-Jun-2022	<i>Processing Requirements for Group 3 Navigation Databases</i>
EP0994ZBZ 20-Mar-2025	<i>Parts List and Content Requirements for the FMS Navigation Databases</i>
EP1216D 30-Aug-2022	<i>Processing Requirements for Group 4 Navigation Databases</i>
EP1262R 13-May-2023	<i>Configuration Plan for the FMS Navigation Databases</i>
EP1350ZCE 20-Mar-2025	<i>Data Processing Procedures for the FMS Navigation Databases</i>
EP1654U 13-Feb-2024	<i>Processing Requirements for the Group 5 FMS Navigation Databases</i>
EP1852Q 13-May-2023	<i>RTCA/DO-200A Compliance Plan for the FMS Navigation Databases</i>
EP3031B 29-Jun-2012	<i>Data Quality Requirements for the EAG Source Data for the UASC Navigation Databases</i>
DQR-200001 Rev. A, 15-Jul-2020	<i>Data Quality Requirements for the AeroNavData Supplier Data for the Universal Avionics Systems Corporation FMS Navigation Databases</i>
DQR-200004 Rev. E, 28-Mar-2024	<i>Data Quality Requirements for the Lufthansa Systems Supplier Data for the Universal Avionics Systems Corporation FMS Navigation Databases.</i>

- b. Universal Avionics has established compatibility with the following Flight Management Systems. Compilation of data to the compatible format has been accomplished using Universal Avionics System Corporations' aeronautical data process.

Table 2

PART No.	DESCRIPTION	SCN	Approvals
1017-0X-XXX	UNS-1C FMS/MMMS	601	TSO-C115b TSO-C129 B1/C1
1017-0X-XXX	UNS-1C FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a B1/C1
1017-3X-XXX	UNS-1C FMS/MMMS	700, 701	TSO-C115b TSO-C129 A1/B1/C1
1017-3X-XXX	UNS-1C FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a A1/B1/C1
1017-4X-XXX	UNS-1C FMS/MMMS	600, 601	TSO-C115b TSO-C129 A1/B1/C1
1017-4X-XXX	UNS-1C FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a A1/B1/C1
1017-5X-XXX	UNS-1C FMS/MMMS	701	TSO-C115b TSO-C129 B1/C1
1017-5X-XXX	UNS-1C FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a B1/C1
1017-6X-XXX	UNS-1C FMS/MMMS	604	TSO-C115b TSO-C129a A1/B1/C1
1017-7X-XXX	UNS-1C FMS/MMMS	704	TSO-C115b TSO-C129a A1/B1/C1
1017-0X-XXX2	UNS-1C FMS/MMMS	600, 601	TSO-C115b TSO-C129 B1/C1
1017-3X-XXX2	UNS-1C FMS/MMMS	700, 701	TSO-C115b TSO-C129 A1/B1/C1
1017-4X-XXX2	UNS-1C FMS/MMMS	600, 601	TSO-C115b TSO-C129 A1/B1/C1
1017-5X-XXX2	UNS-1C FMS/MMMS	700, 701	TSO-C115b TSO-C129 B1/C1
10172-0X-XXX	UNS-1C+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
10172-3X-XXX	UNS-1C+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
10172-4X-XXX	UNS-1C+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
10172-5X-XXX	UNS-1C+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1
10172-6X-XXX	UNS-1C+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
10172-7X-XXX	UNS-1C+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1

Table 2

PART No.	DESCRIPTION	SCN	Approvals
1019-0X-XXX	UNS-1Csp FMS/MMMS	600, 601	TSO-C115b TSO-C129 B1/C2
1019-0X-XXX	UNS-1Csp FMS/MMMS	602, 603, 604	TSO-C115b TSO-C129a B1/C1
1019-3X-XXX	UNS-1Csp FMS/MMMS	700, 701	TSO-C115b TSO-C129a A1/B1/C1
1019-3X-XXX	UNS-1Csp FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a A1/B1/C1
1019-4X-XXX	UNS-1Csp FMS/MMMS	600, 601	TSO-C115b TSO-C129 A1/B1/C1
1019-4X-XXX	UNS-1Csp FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a A1/B1/C1
1019-5X-XXX	UNS-1Csp FMS/MMMS	700, 701	TSO-C115b TSO-C129 B1/C1
1019-5X-XXX	UNS-1Csp FMS/MMMS	702, 703, 704	TSO-C115b TSO-C129a B1/C1
1019-6X-XXX	UNS-1Csp FMS/MMMS	604	TSO-C115b TSO-C129a A1/B1/C1
1019-7X-XXX	UNS-1Csp FMS/MMMS	704	TSO-C115b TSO-C129a A1/B1/C1
10192-0X-XXX	UNS-1C/sp+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
10192-3X-XXX	UNS-1C/sp+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
10192-4X-XXX	UNS-1C/sp+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
10192-5X-XXX	UNS-1C/sp+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1
10192-6X-XXX	UNS-1C/sp+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
10192-7X-XXX	UNS-1C/sp+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
1116-0X-111X	UNS-1K FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a B1/C1
1116-3X-111X	UNS-1K FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a A1/B1/C1
1116-4X-111X	UNS-1K FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a A1/B1/C1
1116-5X-111X	UNS-1K FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a B1/C1
1116-6X-111X	UNS-1K FMS/MMMS	604	TSO-C115b TSO-C129a A1/B1/C1
1116-7X-111X	UNS-1K FMS/MMMS	704	TSO-C115b TSO-C129a A1/B1/C1

Table 2

PART No.	DESCRIPTION	SCN	Approvals
11162-0X-XXXX	UNS-1K+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
11162-3X-XXXX	UNS-1K+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
11162-4X-XXXX	UNS-1K+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
11162-5X-XXXX	UNS-1K+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1
11162-6X-XXXX	UNS-1K+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
11162-7X-XXXX	UNS-1K+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
1190-0X-211X	UNS-1B+ FMS/MMMS	600, 601	TSO-C115b TSO-C129 B1/C1
1190-0X-211X	UNS-1B+ FMS/MMMS	602, 603, 604	TSO-C115b TSO-C129a B1/C1
1190-3X-211X	UNS-1B+ FMS/MMMS	700, 701	TSO-C115b TSO-C129 B1/C1
1190-3X-211X	UNS-1B+ FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a B1/C1
1192-00-11100X	UNS-1D FMS/MMMS	600, 601	TSO-C115b TSO-C129 B1/C1
1192-00-11100X	UNS-1D FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a B1/C1
1192-00-11110X	UNS-1D FMS/MMMS	600, 601	TSO-C115b TSO-C129 A1/B1/C1
1192-00-11110X	UNS-1D FMS/MMMS	602, 603, 604, 605	TSO-C115b TSO-C129a A1/B1/C1
1192-00-11120X	UNS-1D FMS/MMMS	604	TSO-C115b TSO-C129a A1/B1/C1
1192-30-11100X	UNS-1D FMS/MMMS	700, 701	TSO-C115b TSO-C129 B1/C1
1192-30-11100X	UNS-1D FMS/MMMS	702, 703, 704	TSO-C115b TSO-C129a B1/C1
1192-30-11110X	UNS-1D FMS/MMMS	700, 701	TSO-C115b TSO-C129 A1/B1/C1
1192-30-11110X	UNS-1D FMS/MMMS	702, 703, 704, 705	TSO-C115b TSO-C129a A1/B1/C1
1192-30-11120X	UNS-1D FMS/MMMS	704	TSO-C115b TSO-C129a A1/B1/C1
11922-0X-XXX0XX	UNS-1D+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
11922-0X-XXX1XX	UNS-1D+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1

Table 2

PART No.	DESCRIPTION	SCN	Approvals
11922-0X-XXX2XX	UNS-1D+ FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
11922-3X-XXX0XX	UNS-1D+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1
11922-3X-XXX1XX	UNS-1D+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
11922-3X-XXX2XX	UNS-1D+ FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
2017-0X-XXX	UNS-1E FMS/MMMS	800, 801	TSO-C115b TSO-C129a B1/C1
2017-0X-XXX	UNS-1E FMS/MMMS	802, 803	TSO-C115b TSO-C129a A1/B1/C1
2017-3X-XXX	UNS-1E FMS/MMMS	900, 901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
2017-4X-XXX	UNS-1E FMS/MMMS	800, 801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
2017-5X-XXX	UNS-1E FMS/MMMS	900, 901, 902, 903	TSO-C115b TSO-C129a B1/C1
2019-0X-XXX	UNS-1Esp FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
2019-3X-XXX	UNS-1Esp FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
2019-4X-XXX	UNS-1E/Esp FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
2019-5X-XXX	UNS-1E/Esp FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1
2019-7X-XXX	UNS-1E/Esp FMS/MMMS	902, 903	TSO-C115b TSO-C129a A1/B1/C1
2116-0X-XXXX	UNS-1L FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
2116-3X-XXXX	UNS-1L FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
2116-4X-XXXX	UNS-1L FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
2116-5X-XXXX	UNS-1L FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1
2116-7X-XXXX	UNS-1L FMS/MMMS	902, 903	TSO-C115b TSO-C129a A1/B1/C1
2192-0X-XXX0XX	UNS-1F FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a B1/C1
2192-0X-XXX1XX	UNS-1F FMS/MMMS	801, 802, 803	TSO-C115b TSO-C129a A1/B1/C1
2192-3X-XXX0XX	UNS-1F FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a B1/C1

Table 2

PART No.	DESCRIPTION	SCN	Approvals
2192-3X-XXX1XX	UNS-1F FMS/MMMS	901, 902, 903	TSO-C115b TSO-C129a A1/B1/C1
3017-3X-XXX	UNS-1Ew MMMS	1100	TSO-C115b TSO-C146c Class B
3017-3X-XXX	UNS-1Ew MMMS	1101	TSO-C115c TSO-C146c Class B
3017-3X-XXX	UNS-1Ew MMMS	1102	TSO-C115c TSO-C146d Class B
3017-3X-XXXM	UNS-1Ew MMMS (ITAR)	1101M	TSO-C115c TSO-C146c Class B
3017-3X-XXXM	UNS-1Ew MMMS (ITAR)	1102M	TSO-C115c TSO-C146d Class B
3017-4X-XXX	UNS-1Ew FMS	1000	TSO-C115b TSO-C146c Class B
3017-4X-XXX	UNS-1Ew FMS	1001	TSO-C115c TSO-C146c Class B
3017-4X-XXX	UNS-1Ew FMS	1002	TSO-C115c TSO-C146d Class B
3019-3X-X0X	UNS-1Espw MMMS	1100	TSO-C115b TSO-C146c Class B
3019-3X-X0X	UNS-1Espw MMMS	1101	TSO-C115c TSO-C146c Class B
3019-3X-X0XM	UNS-1Espw MMMS (ITAR)	1101M	TSO-C115c TSO-C146c Class B
3019-3X-X0XM	UNS-1Espw MMMS (ITAR)	1102M	TSO-C115c TSO-C146d Class B
3019-4X-X0X	UNS-1Espw FMS	1000	TSO-C115b TSO-C146c Class B
3019-4X-X0X	UNS-1Espw FMS	1001	TSO-C115c TSO-C146c Class B
3019-4X-X0X	UNS-1Espw FMS	1002	TSO-C115c TSO-C146d Class B
3116-3X-111X	UNS-1Lw MMMS	1100	TSO-C115b TSO-C146c Class B
3116-3X-111X	UNS-1Lw MMMS	1101	TSO-C115c TSO-C146c Class B
3116-3X-111	UNS-1Lw MMMS	1102	TSO-C115c TSO-C146d Class B
3116-3X-X11XM	UNS-1Lw MMMS (ITAR)	1101M	TSO-C115c TSO-C146c Class B
3116-3X-X11XM	UNS-1Lw MMMS (ITAR)	1102M	TSO-C115c TSO-C146d Class B
3116-4X-111X	UNS-1Lw FMS	1000	TSO-C115b TSO-C146c Class B

Table 2

PART No.	DESCRIPTION	SCN	Approvals
3116-4X-XXX	UNS-1Lw FMS	1001	TSO-C115c TSO-C146c Class B
3116-4X-XXX	UNS-1Lw FMS	1002	TSO-C115c TSO-C146d Class B
3116-5X-1110	UNS-1Lw LP/LPV Monitor	1000	TSO-C115c TSO-C146b Class B
3116-5X-1110	UNS-1Lw LP/LPV Monitor	1101	TSO-C115c TSO-C146c Class B
3116-5X-1110	UNS-1Lw LP/LPV Monitor	1102	TSO-C115c TSO-C146d Class B
3192-0X-11110X	UNS-1Fw FMS	1000	TSO-C115b TSO-C146c Class B
3192-0X-X1110X	UNS-1Fw FMS	1001	TSO-C115c TSO-C146c Class B
3192-0X-X1110X	UNS-1Fw FMS	1002	TSO-C115c TSO-C146d Class B
3192-3X-X1110X	UNS-1Fw MMMS	1100	TSO-C115b TSO-C146c Class B
3192-3X-X1110X	UNS-1Fw MMMS	1101	TSO-C115c TSO-C146c Class B
3192-3X-X1110X	UNS-1Fw MMMS	1102	TSO-C115c TSO-C146d Class B
3192-3X-X1110XM	UNS-1Fw MMMS (ITAR)	1101M	TSO-C115c TSO-C146c Class B
3192-3X-X1110XM	UNS-1Fw MMMS (ITAR)	1102M	TSO-C115c TSO-C146d Class B