



U.S. Department
of Transportation

**Federal Aviation
Administration**

Aviation Safety

Compliance & Airworthiness Division

Los Angeles ACO Branch

3960 Paramount Boulevard, Suite 100
Lakewood, CA 90712-4137

August 9, 2022

In reply refer to: 791-22-00053

Universal Avionics Systems Corporation
Attn: Mr. Wayne Fisch
3260 E. Universal Way
Tucson, AZ 85756

TYPE 2 FAA LETTER OF ACCEPTANCE
LOA0017LA

Dear Mr. Fisch:

The Federal Aviation Administration (FAA) has verified Universal Avionics Systems Corporation (UA) meets the objectives of AC 20-153B Section 3.1 for using an alternative means of compliance based on AC 20-153A and RTCA/DO-200A with regard to processing of the SVS Terrain data. For this Type 2 Letter of Acceptance (LOA), compatibility has been established with the SVS Systems identified in RPRT-10207, Appendix B, Revision 09, dated 1-Aug-2022, or latest 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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA: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. UA's data quality requirements for the receipt of data from other sources, and for the delivery of data to its customers, are defined in Universal Avionics DQR-200006, *Data Quality Requirements for the Jeppesen Supplier Data for the Universal Avionics Systems Corporation Helionix Databases*, and 057761E-00, *Data Quality Requirements (DQR) for Cockpit Integrated Global Avionics for Light-Medium Helicopters (CIGALHE) Project*.
2. The UA's procedures for processing data are defined in EP3420, *Database Processing Procedures for the Terrain Geodatabases*, DPRP-200000, *Data Processing Procedures for the Helionix Terrain Databases*, and ASI-QA-2018-0017, *Database Distribution Work Instructions*.
3. Reporting of Failures, Malfunctions, and Defects. UA must report to the FAA Los Angeles ACO Branch 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). UA must maintain a QMS as described in RTCA/DO-200A, section 2.5. Changes to the QMS affecting the data quality objectives must be reported to the FAA Los Angeles ACO Branch for acceptance prior to implementation.

5. Design Changes

- a. UA must submit minor changes to the data quality requirements, the data processing standards, or the QMS to the FAA Los Angeles ACO Branch in accordance with procedures described within UA documents SOP-ENG-DB-07.01, *Aeronautical Database Development and Sustainment* and T676-AERO-A, *Compliance with Aeronautical Database Approval Processes*. 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 Los Angeles ACO Branch that an unsafe condition exists in a database product supplied under this LOA, UA must develop corrective action and submit it to the FAA Los Angeles ACO Branch for acceptance. UA must expedite distribution of the accepted corrective action to customers and users.
6. UA must perform periodic internal audits as described in RTCA/DO-200A, 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-200A, section 3.4 must be reported to the FAA Los Angeles ACO Branch. Additionally, the FAA may perform periodic audits.
 7. UA 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. UA must advise its 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-200A and the means of approval or acceptance) for all previous chain participants (up to, but not including, a State's AIP). The method must be timely to ensure that customers can react to changes in the status of its LOA.

If further information concerning this project is needed, please contact the FAA's point of contact Mr. Thanh Tran, Project Manager of the System and Equipment Section. Mr. Tran can be reached by telephone at 1-562-627-5304 or by email at Thanh.B.Tran@faa.gov.

Sincerely,

Greg DiLibero
Aviation Safety
Manager, Los Angeles ACO Branch