



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

Aviation Safety

Compliance & Airworthiness Division
Los Angeles ACO Branch
3960 Paramount Boulevard
Lakewood, California 90712-4137

October 29, 2019 (re-issue)

In reply refer to: 790-19-12507

Universal Avionics Systems Corp.
Attn: Ms. Geanine Ballard
3260 E. Universal Way
Tucson AZ 85756

TYPE 2 FAA LETTER OF ACCEPTANCE
LOA0013LA

Dear Ms. Ballard:

The Federal Aviation Administration (FAA) has verified Universal Avionics Systems Corporation complies with AC 20-153A with regard to processing of Terrain Database data. Compatibility has been established with the InSight™ Display Systems Components, as listed in Table 1 in RPRT-2017-1014, Rev. 01, or latest FAA approved revision.

The following terms and conditions are applicable to this letter of acceptance:

1. Universal Avionics Systems Corporation 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 Systems Corporation DQR-100008, *Jeppesen Supplier Data Quality Requirements for the UASC InSight™ EFIS Terrain Database*, and DQR-100004, *Target Data Quality Requirements for the UASC InSight™ EFIS Terrain Database*.
2. The Universal Avionics Systems Corporation procedures for processing data are defined in DPRP-100001, *Data Processing Procedures for the UASC InSight™ EFIS Terrain Database*. Proper records must be maintained and configuration management guidelines established and followed in accordance with RTCA/DO-200A.
3. Reporting of Failures, Malfunctions, and Defects. Universal Avionics Systems Corporation 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). Universal Avionics Systems Corporation 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. Universal Avionics Systems Corporation 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 Universal Avionics Systems Corporation documents SOP-ENG-DB-07.01, *Aeronautical Database Development and Sustainment*, and CP-100001, *RTCA/DO-200A Compliance Plan for the UA InSight™ EFIS Terrain Database*. 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, Universal Avionics Systems Corporation shall develop corrective action and submit it to the FAA Los Angeles ACO Branch for approval. Universal Avionics Systems Corporation shall expedite distribution of the approved corrective action to customers and users.
6. Universal Avionics Systems Corporation 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. Universal Avionics Systems Corporation 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. Universal Avionics Systems Corporation 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 Contracting 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 Los Angeles ACO Branch. Mr. Tran can be reached by telephone at 1-562-627-5304 or by email at Thanh.B.Tran@faa.gov.

Sincerely,

for 

Mansour Rafat
Aviation Safety
Manager, Systems and Equipment Section