



U.S. Department
of Transportation

**Federal Aviation
Administration**

April 27, 2007

**Transport Airplane Directorate
Los Angeles Aircraft
Certification Office**

3960 Paramount Boulevard
Lakewood, California 90712-4137

Mr. Robert C. Uhde II
Universal Avionics Systems Corp
3260 E. Universal Way
Tucson AZ 85706

Dear Mr. Uhde:

**TYPE 2 FAA LETTER OF ACCEPTANCE
LOA0003LA**

The FAA has determined that Universal Avionics System Corporation complies with AC 20-153 and RTCA/DO-200A with regards to their processing of navigation data. Navigation databases may also include customer tailored data not originating from a state authority, such as at private airports/runways and private arrival/departure procedures. The end user has the responsibility to verify the suitability of this data for the intended operation. Compatibility has been established with the Flight Management Systems listed in Appendix A of this letter.

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

1. The Universal Avionics System Corporation data quality requirements for the receipt of data from other sources are defined in Universal Avionics document EP0984B, *Data Requirements for the Jeppesen Source Data for the UASC Navigation Databases*. The Universal Avionics System Corporation data quality requirements for the delivery of data to their customers are defined in EP1654E, *Processing Requirements for the Group 5 Navigation Databases* and EP0994J, *Parts List and Content Requirements for the Navigation Databases*. The end user has the ultimate responsibility to ensure data requirements are met and to verify the navigation data loaded in their FMS is current and valid for the intended operation.
2. The Universal Avionics System Corporation procedures for processing data are defined in EP1852B, RTCA/DO-200A Compliance Plan for the Navigation Databases and EP1350I, Processing Checklist for the Navigation Databases.
3. Reporting of Failures, Malfunctions, and Defects. Universal Avionics Systems Corporation must report to the FAA Los Angeles Aircraft Certification Office any failure, malfunction, or defect of the aeronautical data produced under this LOA that may have a safety effect on operational use of the data.

4. Maintain a Quality Management System (QMS). Universal Avionics System Corporation must maintain a quality management system as described in RTCA/DO-200A, section 2.5. Changes to the QMS that may affect the data quality objectives must be reported to the Los Angeles Aircraft Certification Office before implementation.
5. Design Changes
 - a. Universal Avionics System Corporation must submit minor changes to the data quality requirements, the data processing standards, or the quality management system to the Los Angeles Aircraft Certification Office in accordance with procedures described within Universal documents EP1852B, *RTCA/DO-200A Compliance Plan for the Navigation Databases*, and EP1262C, *Configuration Management Plan for the Navigation Databases and Processing Software*. All other changes are considered major, and must be substantiated and accepted prior to implementation in the same manner as that for the original LOA.
 - b. Upon receipt of notification by the Los Angeles Aircraft Certification Office that an unsafe condition exists in database product supplied under this LOA, Universal Avionics System Corporation shall develop corrective action and submit it to the Los Angeles Aircraft Certification Office for approval. Universal Avionics System Corporation shall expedite distribution of the approved corrective action to customers and users.
6. Universal Avionics System Corporation must perform periodic internal audits as described in RTCA/DO-200A, section 3, with a maximum time between audits (whether total or incremental) of not more than one year. Any major non-conformities as described in RTCA/DO-200A, section 3.4 must be reported to the Los Angeles Aircraft Certification Office. Additionally, the FAA may perform periodic audits in accordance with procedures described within Universal documents EP1852B, RTCA/DO-200A Compliance Plan for the Navigation Databases, and EP0011E, Software Quality Assurance Plan.
7. Universal Avionics System Corporation must advise their customers of the status of their LOA as well as the status of LOAs (or foreign acceptance, including designation of the foreign authority that acknowledges 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 their LOA.

If further information concerning this project is needed, please contact the FAA's point of contact Mr. Ha A. Nguyen, Project Manager of Los Angeles Aircraft Certification Office. Mr. Nguyen can be reached by telephone at 1-562-627-5335 or by fax at 1-562-627-5210 or by email at ha.nguyen@faa.gov

Sincerely,



Joe Hashemi
Manager, Systems and Equipment Branch
Los Angeles Aircraft Certification Office

CC: ANM-111, Jeff Myers; AIR-130L, Brad Millers