



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

Aircraft Certification Service  
Compliance & Airworthiness Division  
Boston ACO Branch, AIR-7B0

1200 District Avenue  
Burlington, MA 01803  
(781) 238-7151

February 17, 2022

In reply refer to: 21-DOC-16968

Avidyne Corporation  
Attention: Mike Keirnan  
710 North Dr.  
Melbourne, FL 32935

Dear Mr. Keirnan:

**Type II Letter of Acceptance LOA0004BO for Aeronautical Databases (Terrain)**

This letter is in response to your letter dated September 30, 2021 and therein referenced submittals, requesting a database Letter Of Acceptance (LOA) for your terrain database processes. The FAA has determined that Avidyne complies with AC 20-153B and RTCA/DO-200B with regards to its processing of terrain data. Compatibility has been established with the systems identified in Avidyne document AVIFD-707, Revision 00, dated February 10, 2022, or later FAA approved revision.

Please use identifier LOA0004BO on further communications to users and the FAA regarding the covered database.

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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA: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. Data quality requirements and data processing procedures are defined in the following documents:

Database Type	Data Quality Requirements	Data Processing Procedures
Terrain	AVFMS-025	AVIFD-302

2. Reporting of Failures, Malfunctions, and Defects. Avidyne must report to the Manager, Boston ACO Branch 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.
3. Maintain a Quality Management System (QMS). Avidyne must maintain a QMS as described in RTCA/DO-200B Section 2.5. Changes to the QMS that may affect the data quality objectives must be reported to the Manager, Boston ACO Branch before implementation.
4. Design Changes.

- a. Avidyne must submit minor changes to the data quality requirements, the data processing standards, or the QMS to the Manager, Boston ACO Branch in accordance with the procedures described within Avidyne quality manual document 610-0001 Rev 16, FAA approved on March 1, 2021, or later FAA approved revision. 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 Manager, Boston ACO that an unsafe condition exists in database product supplied under this LOA, Avidyne shall develop corrective action and submit to the Manager, Boston ACO Branch for approval. Avidyne shall expedite distribution of the approved corrective action to customers and users.
5. Avidyne must perform periodic internal audits as described in RTCA/DO-200B 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-200B Section 3.4 must be reported to the Manager, Boston ACO Branch. Additionally, the FAA may perform audits in accordance with procedures described within RTCA/DO-200B, section 3.
6. Avidyne must provide a release statement with each database distribution to broadcast LOA status, state their compliance, and provide information on known deviations and modifications.
7. Avidyne 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 that acknowledges the foreign source's compliance to RTCA/DO-200B and the means of approval or acceptance) for all Type 1 LOA holders (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.

Sincerely,

Nicholas Faust  
Manager, Boston ACO Branch

Enclosure

Cc: Jeffrey R. Jaskiewicz