



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

Small Airplane Directorate  
Wichita Aircraft Certification Office  
1801 Airport Road, Room 100  
Wichita, Kansas 67209

NOV 25 2015

Reply to: L115W-15-813

Mr. Robert C. Godsy  
GARMIN International Inc.  
1200 East 151st Street  
Olathe, KS 66062

Subject: Request for revised Type 2 Letter of Acceptance (LOA) for Garmin's  
Obstacle Database process

Reference: Garmin Type 2 Obstacle Database LOA letter dated October 1, 2015  
to Wichita ACO

Dear Mr. Godsy,

**TYPE 2 FAA LETTER OF ACCEPTANCE**

The FAA has determined that Garmin International complies with AC 20-153A and RTCA/DO-200A with regards to their processing of obstacle data. Compatibility has been established with the avionics systems identified in the RTCA DO-200A List of Applicable Avionics Systems, 190-01999-00, dated September 23, 2015 or later FAA approved revisions.

The following terms and conditions are applicable to this Letter of Acceptance (LOA), are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA:

1. The Garmin International data quality requirements for the receipt of data from other sources, and for the delivery of data to their customers, are defined in Garmin documents *G2CD Data Quality Requirements (005-00210-17)* and *G2CD Data Supplier Agreement (005-00210-21)*, respectively.
2. The Garmin International procedures for processing data are defined in *Aviation Obstacle Database Release Procedures (005-00177-23)*.
3. Reporting of Failures, Malfunctions and Defects. Garmin International must report to the FAA Wichita ACO 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). Garmin International 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 FAA Wichita ACO before implementation.
5. Design Changes.
  - a. Garmin International must submit minor changes to the data quality requirements, the data processing standards, or the quality management system to the FAA Wichita ACO in accordance with procedures described within Garmin standard operating practice *Aircraft Appliance Approval* (SOP-044). 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 FAA Wichita ACO that an unsafe condition exists in a database product supplied under this LOA, Garmin International shall develop corrective action and submit it to the FAA Wichita ACO for approval. Garmin International shall expedite distribution of the approved corrective action to customers and users.
6. Garmin International must perform periodic internal audits as described in RTCA/DO-200A, section 3, with the 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 FAA Wichita ACO. Additionally, the FAA may perform periodic audits in accordance with procedures described within Garmin document *G2CD Quality Management Plan and Procedures* (005-00210-13).
7. This LOA applies to obstacle databases only, and does not apply to Navigation, Terrain, SafeTaxi, or Charting databases. Specifically, the database part numbers covered by this LOA are in the RTCA/DO-200A List of Applicable Avionics Systems, 190-01999-00.
8. Garmin International must advise their customers of the status of their LOA. The method must be timely to ensure that customers can react to changes in the status of their LOA.

9. This LOA assumes that Garmin International's customers will access the Garmin web site for LOA status and data alerts.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Hilton', with a stylized flourish at the end.

Daniel S. Hilton  
Associate ACO Manager,  
Electrical Systems and Avionics  
Wichita Aircraft Certification Office

Cc: Wichita MIDO