



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

May 23, 2017

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

3960 Paramount Boulevard  
Lakewood, California 90712-4137

In reply refer to: 130L-17-130

Honeywell International Inc.  
Attn: Ms. Fay Trowbridge  
15001 NE 36<sup>th</sup> Street  
Redmond, WA 98052

Dear Ms. Trowbridge:

**TYPE 2 FAA LETTER OF ACCEPTANCE  
LOA0006LA Revision 1**

The Federal Aviation Administration (FAA) has verified that Honeywell (Redmond) International Inc. meets the objectives of Advisory Circular 20-153B alternative means of compliance using DO-200A with regard to its processing of terrain and obstacle data. For this Type 2 Letter of Acceptance (LOA), compatibility has been established with the systems identified in the section 4.4 of the Honeywell International Inc. *Application Matrix EGPWS Databases* document, 993-0109-000 revision G, dated September 12, 2016, or latest FAA accepted revision. Honeywell is authorized to modify the compatibility matrix when it has been determined that the equipment being added is of the same type and has been demonstrated to meet the requirements of AC 20-153B, paragraph 12 as part of the equipment design approval (TSOA, STC, or TC). Other modifications must be coordinated with the FAA before the compatibility matrix revision is approved.

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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA: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. Honeywell International Inc. data quality requirements for the receipt of data from other sources, and for the delivery of data to its customers, are defined in following Honeywell documents:
  - a. *Supplier Data Quality Requirements EGPWS Databases*, DBS69002390-000, Revision B, or latest FAA accepted revision;
  - b. *Data Quality Requirements EPIC Threat Database*, 994-0145-000, Revision A, or latest FAA accepted revision; and
  - c. *Data Quality Requirements EPIC Terrain Server Database*, 994-0146-000, Revision A, or latest FAA accepted revision.

2. Honeywell International Inc.'s procedures for processing data are defined in Honeywell's document, *Database Development Process for Enhanced Ground Proximity Warning System (EGPWS)*, 992-0109-100, Revision AF, or latest FAA accepted revision.
3. Reporting of Failures, Malfunctions, and Defects. Honeywell International Inc. must report to the FAA Los Angeles Aircraft Certification Office (LA ACO) and the Phoenix Manufacturing Inspection District Office (MIDO) 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). Honeywell International Inc. 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 LA ACO and the Phoenix MIDO for acceptance prior to implementation.
5. Design Changes.
  - a. Honeywell International Inc. must submit minor changes to the data quality requirements, the data processing standards, or the QMS to the FAA LA ACO in accordance with procedures described within Honeywell's document, *Database Development Process for Enhanced Ground Proximity Warning System (EGPWS)*, 992-0109-100, Revision AF, or latest FAA accepted revision. 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 LA ACO and/or the Phoenix MIDO of an unsafe condition existing in a database product supplied under this LOA, Honeywell International Inc. shall develop a corrective action and submit it to the FAA LA ACO and/or the Phoenix MIDO for acceptance. Honeywell International Inc. shall expedite distribution of the accepted corrective action to customers and users.
6. Honeywell International Inc. must perform periodic internal audits of:
  - a. AC 20-153B objectives 1-14, 1-15, 1-16, 2-2, 2-3, 2-4, and 2-5;
  - b. AC 20-153A; and
  - c. RTCA/DO-200A

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 nonconformity as described in RTCA/DO-200A, section 3.4 must be reported to the FAA LA ACO and/or the Phoenix MIDO. Additionally, the FAA may perform periodic audits in accordance with AC 20-153B, section 3.1 for alternative means of compliance.

7. Honeywell International Inc. must provide a release statement with each database distribution to broadcast LOA status, state their compliance, and provide information on known deviations and alterations.

8. Honeywell International Inc. must advise 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-200( ) 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 customers can react to changes in the status of its LOA.
9. Honeywell International Inc. must notify the FAA LA ACO and Phoenix MIDO when they no longer comply with the conditions of the LOA.

If you have any questions or comments, please feel free to contact our Aeronautical Database LOA Program Manager, by e-mail at [Daniel.bui@faa.gov](mailto:Daniel.bui@faa.gov), telephone number (562) 627-5339 or by fax at (562) 627-5210.

Sincerely,



*lh* Kevin Hull  
Manager, Los Angeles Aircraft Certification Office