



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

Aviation Safety

**Compliance & Airworthiness Division
Los Angeles ACO Branch**
3960 Paramount Boulevard, Suite 100
Lakewood, CA 90712-4137

April 23, 2019

In reply refer to: 790-19-3988

Honeywell International Inc.
Attn: Mr. Kyle Leonard
21111 N 19th Avenue
Phoenix, AZ 85027

Dear Mr. Kyle Leonard:

TYPE 2 FAA LETTER OF ACCEPTANCE
LOA0015LA

The Federal Aviation Administration (FAA) has verified that Honeywell (Deer Valley) International Inc. is compliant with the objectives of Advisory Circular 20-153B and DO-200B by utilizing the alternative means of compliance using AC 20-153A and DO-200A with regard to its processing of terrain, obstacle, runway, and magnetic variation data. For this Type 2 Letter of Acceptance (LOA), compatibility has been established with the systems identified in the Honeywell International Inc. *LOA Parts Matrix EGPWS Databases* document, 993-0109-001 revision -, dated March 26, 2019, or latest FAA accepted revision. Honeywell is authorized to modify the compatibility matrix when it has been determined that the configuration being added uses the same type of processed data 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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by the FAA: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 are addressed as follows:
 - a. The receipt of data from other sources is defined in the *Supplier Data Quality Requirements EGPWS Databases*, DBS69002390-000, Revision B, or latest FAA accepted revision;
 - b. The delivery of data to customers is identified in the *LOA Parts Matrix EGPWS Databases*, 993-0109-001, Revision -, 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 AM, 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 AM, 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 nonconformities 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 Charles.Toliver@faa.gov, telephone number (562) 627-5367 or by fax at (562) 627-5210.

Sincerely,



Mansour Rafat
Aviation Safety
Manager, Systems and Equipment Section
Los Angeles ACO Branch