



**DEPARTMENT OF THE AIR FORCE
AIR FORCE LIFE CYCLE MANAGEMENT CENTER
HANSCOM AIR FORCE BASE, MASSACHUSETTS**

CM# 1104200001

29 January 2020

AeroNavData, Inc.
1839 Ghent Road
Columbia, IL 62236

FROM: AFLCMC/HBA
75 Vandenberg Drive, Bldg. 1630
Hanscom AFB, MA 01731-2103

SUBJECT: AFLCMC/HBA Type 1 Letter of Acceptance (LOA) for DAFIF+

The Air Force Life Cycle Management Center/Aerospace Management Systems Division (AFLCMC/HBA) determined that AeroNavData, Inc. (AND) complies with Advisory Circular (AC) 20-153B and RTCA/DO-200B with regard to processing of navigation data. However, this Type 1 Letter of Acceptance (LOA) does not authorize AND to supply Digital Aeronautical Flight Information File (DAFIF) Plus (DAFIF+) navigation data directly to an operator (e.g., end-user) for loading directly into installed equipment.

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following terms and conditions are applicable to this LOA, are not transferable, and are effective until surrendered or withdrawn by the holder, or terminated by AFLCMC/HBA:

1. AND data quality requirements for the receipt of data from other sources and for the delivery of data to its customers, are defined in AeroNavData, Inc. Minimum Output Data Quality Requirements: ARINC Data Document # 2211006 and Minimum Output Data Quality Requirements: Tab-Delimited Data Document #2211038.
2. AND procedures for processing data are defined in AeroNavData Process Manual, Document # 2211002.
3. Reporting of Failures, Malfunctions, and Defects. AND must report to AFLCMC/HBA any failure, malfunction, or defect of the aeronautical data produced under this LOA having a potential safety effect on operational use of the data within 72 hours.
4. Maintain a Quality Management System (QMS). AeroNavData, Inc. must maintain a QMS as described in RTCA/DO-200B, section 2.5. Changes to the QMS affecting the data quality objectives must be reported to AFLCMC/HBA for acceptance prior to implementation.
5. Design Changes.
 - a. AND must submit minor changes to the data quality requirements, the data processing standards, or the QMS to AFLCMC/HBA in accordance with procedures described within AeroNavData Problem Reporting Manual, Document #2211013. 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 AFLCMC/HBA of an unsafe condition existing in a database product supplied under this LOA, AND shall develop a corrective action plan and submit it to AFLCMC/HBA for acceptance. AND shall expedite distribution of the accepted corrective action to customers and users.

6. AeroNavData, Inc. must perform periodic internal audits of both AC20-153B and RTCA/DO-200B as described in RTCA/DO-200B, section 3, with a maximum time between audits of not more than 1 year. Audits may be total or conducted incrementally, as long as AND audits all the objectives at least annually. Any major nonconformities as described in RTCA/DO-200B, section 3.4 must be reported to AFLCMC/HBA. Additionally, AFLCMC/HBA may perform periodic audits in accordance with procedures described within RTCA/DO-200B, section 3.

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

8. AND 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-200B and the means of approval or acceptance) for all previous chain participants (up to, but not including, a Contracting State's Aeronautical Information Publication (AIP)). The method must be timely to ensure customers can react to changes in the status of its LOA.

9. AND must advise its customers when a release includes tailored data not originating from a state authority. For this data, the end user must satisfy themselves of suitability with intended use.

10. This Type 1 LOA is intended for Government Use Only and is not approved for use by any civil operators.

11. AND must address the deficiencies documented within the AFLCMC/HBA 22-23 May 2019 Audit Report and adhere to the agreed to deficiency completion schedule (see attachment number 3, AFLCMC-HBAI Deficiency Timeline v1.0, 3 Oct 19) unless additional time is requested formally. In accordance with compliance activities, all deficiency responses are reviewed and approved by the AFLCMC/HBA directorate.

If you have any further questions regarding this LOA, contact Mr. Kevin P. Carey, at (781)-225-5405 or by email at kevin.carey.1@us.af.mil.

RILEY F. PYLES, Colonel, USAF
Senior Materiel Leader
Aerospace Management Systems Division

23 Attachments:

1. AND Audit Report, 22 May 19
2. AND AFLCMC-HBA DO-200B Application, 5 Sep 19

3. AFLCMC-HBAI_Deficiency_Timeline_v1.0, 3 Oct 19
4. AeroNavData Special Notices Web Page, 24 Oct 19
5. Compliance Plan, 3 Sep 19
6. AND Quality Assurance Manual, 18 Oct 19
7. Minimum Output Data Quality Requirements Tab-Delimited Data, 23 Sep 19
8. DDECT Operational Requirements Evaluation & Sufficiency Analysis, 17 Sep 19
9. QA Event Driven Conformity Review Dual Database Error Checking Tool, 17 Sep 19
10. Tool Qualification Manual, 10 Sep 19
11. Tool Requirements for Dual Database Error Check Tool, 5 Sep 19
12. Data Extraction Delivery Process, 3 Sep 19
13. Minimum Output Data Quality Requirements ARINC Data, 3 Sep 19
14. Practices Manual For Data Entry, 14 Aug 19
15. Personnel Qualification Manual, 14 Aug 19
16. Configuration Management Manual, 6 Aug 19
17. Problem Reporting Manual, 6 Aug 19
18. Data Source Manual, 6 Aug 19
19. Customer Tailored Data Process, 6 Aug 19
20. Process Manual, 6 Aug 19
21. Tool Qualification Manual, 30 Oct 19
22. Problem Reporting Manual, 31 Oct 19
23. AFLCMC-HBAI_Deficiency_Timeline_v1.3, 1 Nov 19