# AERONAUTICAL CHARTING MEETING Charting Group Meeting 23-02 – October 24-26, 2023

## **RECOMMENDATION DOCUMENT**

### FAA Control #25-01-401

#### Subject:

Introduction of Quality Metric Criteria and Targets for Charting/Data Products

### **Background/Discussion:**

Chart and data providers play a crucial role in maintaining the integrity of aeronautical charts by issuing quality alerts for errors. However, these providers apply their own criteria for what constitutes an alert; for instance, the ACME chart provider may issue an alert for a 5-foot altitude error, while the APEX chart provider might only issue an alert for a 100-foot altitude error at the same fix. Currently, there is no universally accepted industry-wide target quality alert metric, such as a 99.99% or 99.9999% target. Although DO-201 establishes accuracy levels, it does not specify when to issue an alert and is primarily focused on NavData. Implementing metrics can enhance accountability and provide greater visibility into areas of concern, ultimately leading to improved safety and reliability in aeronautical navigation.

### Recommendations:

- Establish universal industry standards for alert criteria
- Establish universal industry standards for quality alert metrics

### Benefits:

1) Would adoption of the recommendation prevent or reduce the likelihood of occurrence of accidents or incidents?

Yes, adoption of a quality metric will enable measuring and then taking required steps in improving quality.

2) Would adoption of the recommendation mitigate a known or potential safety hazard?

Yes, this adoption can help address quality escapes for aeronautical charting and data. These escapes could create a potential safety hazard.

3) Would adoption of the recommendation resolve a known or potential issue creating operator or Air Traffic Control system errors?

Yes, this adoption can help reduce aeronautical data quality escapes that could create an issue with operator or ATC uncertainty or confusion that can contribute in creating a safety hazard.

4) Would adoption of the recommendation increase operational or system efficiencies?

Measuring and improving data quality could reduce re-work and therefore increase operational efficiencies

5) Would any additional benefits be recognized by adoption of the recommendation?

The adoption of a quality metric would allow for the use of a common quality standard and can help various ANSPs and data providers improve their quality.

#### Comments:

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