



Agenda Item 3: Review of Project H3 - Implementation of the MET information quality management system (MET/QMS)

Status of implementation of quality management in the aeronautical meteorological service of Brazil

(Presented by DECEA - Brazil)

SUMMARY
This paper presents information on the status of QMS implementation in the aeronautical meteorological services of Brazil.
References
<ul style="list-style-type: none">• Annex 3 – Meteorological service for international air navigation• Standard ISO 9001: 2015

1. Introduction

1.1 ICAO Annex 3, in paragraphs 2.2.2, 2.2.3 and 2.2.4, recommends that the meteorological authority of each member State establish and implement a properly organised quality management system (QMS), using the International Organization for Standardization (ISO) 9000 series quality assurance standards, and that it be certified by an external organisation, thus ensuring that the meteorological information provided meets the established requirements.

1.2 The Department of Airspace Control (DECEA), as the ICAO representative and meteorological authority, has been taking the necessary steps to comply with the aforementioned recommendation, as follows.

2. Discussion

2.1 DECEA, responsible for the regulation, control and surveillance of Brazilian airspace, followed the recommendation of Annex 3 regarding the implementation of quality management in the aeronautical meteorological service, based on the requirements of ISO 9001 (still in the 2008 version), implementing the QMS in its subordinate bodies, in the "point-to-point" format, with successful certification results.

2.2 With the update of the ISO 9001 standard--from version 2008 to version 2015--with emphasis on risk-based process management, DECEA sought to adapt its strategic action to the new version of the ISO 9001 standard, defining in its DCA Directive No. 800-1 (DECEA's Integrated Quality Management System), in sections "A" and "B" of item 3.3, the following operational processes and their respective scopes:

Operational process	Responsible entities (scope of application)	Format	Status	Estimated completion date
Availability of meteorological information: METAR/SPECI	DECEA	Multi-site QMS format	Implemented and in process of certification	Dec 2024
	EMPRESA NAV BRASIL			
	EMPRESA INFRAMÉRICA			
	EMPRESA COSTA DO SOL			
	Surface meteorological stations (EMS-1) in 29 international airports			
Availability of meteorological information: TAF (terminal aerodrome forecast)	Integrated centre for aeronautical meteorology (CIMAER)	SGQ do CIMAER	Under implementation	Dec 2024

2.3 Currently, the QMS in multi-site format for the provision of METAR/SPECI-type meteorological information at 29 (twenty-nine) Brazilian international airports has been implemented and is in the process of certification to the current requirements of ISO 9001. This has been delayed due to the COVID-19 pandemic in 2020 and the start of activities in July 2021 of the new concessionaire for the provision of air navigation management services (NAVBRASIL), which replaced INFRAERO that operated at nine international airports in the area.

2.4 The Integrated Centre for Aeronautical Meteorology (CIMAER) started its activities in 2019, concentrating weather forecasting activities for aeronautical purposes. Its QMS is currently being implemented in order to comply with the provision of TAF (terminal area forecast)-type meteorological information.

3. Suggested action

3.1 The Meeting is invited to:

- a) take note of the information presented in this paper.
