



ICAO

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WORKING PAPER

GREPECAS/MET — WP/03
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**CAR/SAM Planning and Implementation Regional Group (GREPECAS)
MET Programme Projects Meeting (GREPECAS/MET)
Mexico City, Mexico, 28 February to 2 March 2018**

Agenda Item 3: Review of the Project H3 – Implementation of the MET Information Quality Management System (QMS/MET)

ANALYSIS OF THE QMS/MET IMPLEMENTATION IN THE CAR REGION

(Presented by Secretariat)

EXECUTIVE SUMMARY

This working paper presents the implementation status of MET/QMS in the CAR Region, describes background information and relevant developed activities, proposes to States the inclusion of the WMO requirements for competency and qualification of the Aeronautical Meteorological Personnel in the implementation of the QMS under ISO 9001:2015 Standard, and invite the meeting to include all necessary assistance activities as part of the H3 Project.

Action:	Suggested actions presented in section 4
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• Reports of the Sixteenth and Seventeenth Meetings of the CAR/SAM Regional Planning and Implementation Group (GREPECAS)• Report of the Second (2013), Third (2015) and Fourth (2016) Meetings of the Programmes and Projects Review Committee (PPRC)• GREPECAS MET Programme Projects Meeting, Lima, Peru, 18 to 22 September 2017

1. Introduction

1.1 PPRC/2 Meeting took note that most CAR States had implemented MET/QMS; therefore, the Meeting agreed that the project H3 had been concluded.

1.2 PPRC/3 Meeting considered the information of QMS/MET implementation status for the CAR/SAM Regions provided by World Meteorological Organization (WMO), observing that only one CAR State would have completed the implementation process.

1.3 PPRC/3 Meeting formulated the conclusion 3/9 with the following literals pertaining with QMS:

- a) *QMS/MET implementation be measured by certification, through a QMS certifying firm on aeronautical meteorology services;*
- b) *States that have obtained QMS/MET system certification, submit a copy of their certificates to the Secretariat;*

1.4 PPRC/4 Meeting approved the reactivation of Project H3 for CAR Region and recognized as a difficulty encountered for the development of MET projects, scarce availability of experts from CAR States which might hinder the reactivation of the Projects.

1.5 The GREPECAS MET Programme Projects Meeting in September 2017 was informed on the challenges regarding the transition process of the ISO:9001:2008 Standard and the expiration date as of September 2018, as well the need to undertake efforts for the transition to the ISO 9001:2015 Standard.

2. Discussion

2.1 The Regional Performance-Based Air Navigation Implementation Plan (RPBANIP) version 3.1 April 2014 not include in the formulated objectives the implementation of the QMS/MET.

2.2 During 2016 and 2017 as part of the NACC Regional Office No Country Left Behind strategy – NCLB, several NACC States received assistance to enhance the action plans for the improvement of the Universal Safety Oversight Audit Programme (USOAP) Effective Implementation (EI) status; The data gathering for QMS/MET shows Regional Implementation percentage equivalent to 33%, the missions and the teleconferences evidence several possible causes: the limitation of resources to develop and maintain the certification process, internal changes in the service providers organization, limited recurrent training, among others; on the other hand, it is necessary to highlight the work of some States to achieve and maintain their QMS certifications.

2.3 In reference to the transition process from ISO 9001/2008 to the ISO 9001:2015 standard, it is recommended that the Meeting review the information presented in the following web links and consider the necessary activities within the H3 project:

- Moving from ISO 9001:2008 to ISO 9001:2015:
https://www.iso.org/files/live/sites/isoorg/files/archive/pdf/en/iso_9001_-_moving_from_2008_to_2015.pdf
- The WMO-No. 1100 “Guide to the implementation of a quality management system for national meteorological and hydrological services” that encapsulates the ISO 9001:2015 standard, available to the States by WMO at:
https://library.wmo.int/opac/doc_num.php?explnum_id=4141

2.4 According to the working arrangements between WMO and ICAO, WMO has the responsibility for defining education and training requirements for Aeronautical Meteorological Personnel – PMA, which have been formulated in terms of competency and qualification of the aeronautical meteorological personnel.

2.5 WMO requirements for competency of Aeronautical Meteorological Personnel - AMP, both for aeronautical meteorological observers (AMO) and aeronautical meteorological forecasters (AMF) became a standard practice as of December 2013; similarly qualification requirement for the AMF became standard requirement as of 1 December 2016. The WMO through the Expert Team on Education, Training and Competency (ET-ETC) of the Commission for Aeronautical Meteorology (CAeM), made various efforts to assist States and continued promoting the implementation mainly through its web site at: <http://www.caem.wmo.int/moodle/index.php?>

2.6 Adopting a sustainable QMS necessarily requires adequate management of the human resource (human talent), since compliance with product requirements is directly related to the education, training, skills and experience of the personnel involved.

2.7 The Meeting on GREPECAS MET Programme Projects, of September 2017, considered that the items related to personnel competencies and their evaluations; professional education, training and aeronautical meteorology personnel qualifications should be included under the activities of Project H3.

3. Conclusion

3.1 Analyzing the working paper the meeting could consider that, in the adoption of the Quality Management System QMS/MET in the CAR Region, States includes the WMO competency and qualification requirements of Aeronautical Meteorological Personnel and makes the necessary efforts to ensure their adoption within the framework of the standards and recommended practices provided by ICAO.

4. Suggested action

4.1 The Meeting is invited to:

- a) note the information contained in this working paper to analyze the current situation and propose the necessary assistance activities as part of the H3 project;
- b) designate experts to develop the H3 project activity plan; and,
- c) recommend additional actions as deemed appropriate.