

International Civil Aviation Organization

ICAO

WORKING PAPER**Asia and Pacific (APAC)
Thirteenth Meeting of the Meteorological Services
Working Group (MET/S WG/13)**

Bangkok, Thailand, 29 to 31 March 2023

Agenda Item 4: Quality management of meteorological services**QMS UPDATES FROM SOLOMON ISLANDS AND OTHER PACIFIC ISLANDS STATES**

(Presented by Solomon Islands)

SUMMARY

This paper outlines an update work done by Solomon Islands on the quality management systems (QMS) including other Pacific Island States, based on the MET SG/26 resolution 2.18. In support to this report Solomon Islands has conducted a Survey receiving back feeds of QMS status from the Pacific Island states. The survey shows that few states needed trainings on QMS/SMS/174 and on auditing. Pacific Islands Aviation Weather Service (PIAWS) panel has set up a QMS Task Team to look into ways to assist the states.

1. INTRODUCTION

1.1 SIMS has implemented a QMS based on the requirement of ICAO Annex 3, clause 2.2.2 and this QMS is based on ISO 9001:2015 as required by recommendation *clause 2.2.3. Each Contracting State shall ensure that the designated meteorological authority referred to in 2.1.4 establishes and implements a properly organized quality system comprising procedures, processes and resources necessary to provide for the quality management of the meteorological information to be supplied to the users listed in 2.1.2 and this QMS is based on ISO 9000 series as required by recommendation clause 2.2.3.*

1.2 Solomon Islands and other states also implemented an internal quality assurance and safety management based on the civil aviation rule part 174 required by the state's civil aviation authority. For instance, in Solomon Islands the civil aviation Act 2008 (SIG) section 42 gives power to the minister of aviation to make rules and civil aviation rule part 174 is for aviation meteorological service organisations — certification.

1.3 SIMS has also implemented a safety management system (SMS) based on the Part 174.77 safety management, a requirement for an applicant for the grant of a meteorological service certificate must establish, implement, and maintain a system for safety management in accordance with rule 100.3.

1.4 Solomon Islands meteorological service (SIMS) has been certified by the civil aviation authority Solomon Islands (CAASI) under Part 174.

1.5 For continual improvements and compliances, SIMS has put in place an internal quality assurance control programmes (IQACP) consists of the followings: Internal audit programme, inspection/calibrations, accidents/incidents reporting, preventative/corrective actions, management review meetings, risk register monitoring, quarterly/annual reporting and KPIs monitoring and evaluation.

1.6 Solomon Islands also assisted other states on their QMS and 174 like Kiribati Meteorological Service (KMS) and Samoa Meteorological Division (SMD).

1.7 Solomon Islands has conducted a QMS survey in order to report on the QMS status and the need for other Pacific Islands States and the results is stated on the discussion section.

2. DISCUSSION

Pacific Islands States QMS status based on the survey summary.

2.1 Four Pacific Island States have responded to the Feedback Survey forms: Fiji, Kiribati, PNG and Solomon Islands. See **APPENDIX (A):** Summary of QMS feedback from QMS survey results annex to this paper.

2.2 Pacific Islands Aviation Weather Service (PIAWS) panel has set up a QMS Task Team to action recommendations from Solomon Islands on the QMS, see recommendations **APPENDIX [B]:** Recommendations based on the survey feedback annex to this paper.

3. ACTION BY THE MEETING

3.1 Request the meeting to note the information on this paper.

3.2 MET/S WG will be informed on the QMS working progress report from the PIAWS QMS Task Team or to assist if any needs arise.

APPENDIX [B]: Recommendations based on the survey.

- 1) Recommended to the Pacific Islands states if they could have a full time Quality Manager or a Quality Assurance Officer in order to fully implement the QMS/174/SMS. *WMO No. 1100 Annex 17 outline the Quality Manager Job Description.*
- 2) States need to implement or conduct an internal audit or external audit for their QMS/174/SMS.
- 3) Based on the survey Pacific Island States requested training on auditing, QMS, SMS and 174.
- 4) States also needs assistance or support towards certification.
- 5) States need to conduct a documentations compliance matrix alignment for QMS/SMS/174.