

International Civil Aviation Organization



ICAO

WORKING PAPER (WP/31)

**ICAO ASIA AND PACIFIC (APAC)
THIRTIETH MEETING OF THE METEOROLOGY
SUB-GROUP (MET SG/30)**

Bangkok, Thailand, 20 - 24 July 2026

Agenda Item 3: Air Navigation Deficiencies

INVESTIGATION INTO SINGAPORE OPMET RESULTS

(Presented by Singapore)

SUMMARY

This paper summarises the findings of the investigation into Singapore's OPMET monitoring results, arising from potential deficiency identified by MET Deficiencies ad-hoc group.

1. INTRODUCTION

1.1 The MET Deficiencies ad hoc group has completed the review of the 2025 ICAO APAC Regional SIGMET Test (ref: [MET IE/24 WP/9](#) and [MET IE/24 WP/10](#)) and 2025 TAF and METAR APAC Performance Indices monitoring activities (ref: [MET IE/24 WP/26](#)). The analysis is presented under MET SG/30 WP/7.

1.2 The analysis for 2025 METAR and TAF Performance Indices indicated Singapore as having potential deficiencies arising from IWXXM data not reaching 95% for availability and/or timeliness in 2025.

1.3 This paper provides an update on the analysis of the results conducted by Singapore and the actions taken.

2. DISCUSSION

METAR and TAF Performance Indices

2.1 The 2025 APAC Performance Indices (PI) provided statistics on the availability and timeliness of METAR and TAF, during the monitoring period of 1-30 November 2025, with results detailed in [MET/IE WG/24 WP/26, Appendix A](#). The working paper identifies that the performance indices for 2 Singapore AOP aerodromes did not meet the 95% availability and timeliness for IWXXM format. The relevant details are extracted below for easier reference:

Aerodrome	AOP	Version	Bulletin	ROC	Availability			Timeliness
					RJTD	VTBB	WSSS	VTBB
WSAP	AOP	3.1.0	LAMS38	WMKK	0.00	0.98	1.00	0.93
WSSL	AOP	3.1.0	LAMS38	WMKK	0.00	0.99	1.00	0.93

2.2 Singapore investigated the cause of availability falling below 95% at RODB Tokyo (RJTD) for these two AOP aerodromes, Paya Lebar (WSAP) and Seletar (WSSL), under IWXXM bulletin LAMS38. The investigation revealed that bulletin LAMS38 was not being routed from ROC Kuala Lumpur (WMKK) to RODB Tokyo (RJTD). ROC Kuala Lumpur has since rectified the issue, and RODB Tokyo has confirmed successful reception of bulletin LAMS38 since the start of July 2026.

2.3 Singapore noted timeliness was reported as below 95% for the reports from the two aerodromes. We have verified the dissemination of reports from WSAP and WSSL have in almost all cases been carried out within 5 minutes of the observation time. Further investigation would be required to ascertain the cause of the timeliness issues highlighted.

2.4 Singapore is grateful to ROC Kuala Lumpur for prompt rectification of the availability issue, as well as RODB Tokyo and RODB Bangkok for helping to monitor and provide reception details of LAMS38 bulletin.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) consider the July 2026 IWXXM METAR availability statistics as the latest compliance status for the above two aerodromes. This in turn partially addresses the findings from the November 2025 OPMET monitoring.
