



International Civil Aviation Organization

**NINTH MEETING OF THE ASIA/PACIFIC OPMET MANAGEMENT
TASK FORCE (OPMET/M TF/9)**

Bangkok, Thailand, 21 – 23 March 2011

Agenda Item 4: Management of OPMET Exchange –

a) OPMET Monitoring and Quality Control Procedures

REVIEW OF OPMET MONITORING REPORT

(Presented by Singapore)

SUMMARY

This paper provides the findings of OPMET Monitoring Exercise carried out in December 2010 and January 2011.

1. INTRODUCTION

1.1 The OPMET/M TF/8 decided that the OPMET monitoring to be carried out in December 2010 and January 2011.

1.2 The following indices are selected to determine OPMET exchanged performance in accordance with the methodology recommended in ROBEX Handbook:

- a) The Compliance Index;
- b) The Regularity Index; and
- c) The Availability Index

1.3 The December data is used to compute the thresholds and the PIs are produced using January data.

1.4 The METAR and TAF Tables listed in ROBEX HB Twelfth Edition 2004 (Amended – August 2010) are used as the basis in this monitoring.

The following METARs are discounted in the monitoring due to these reports made available on request only.

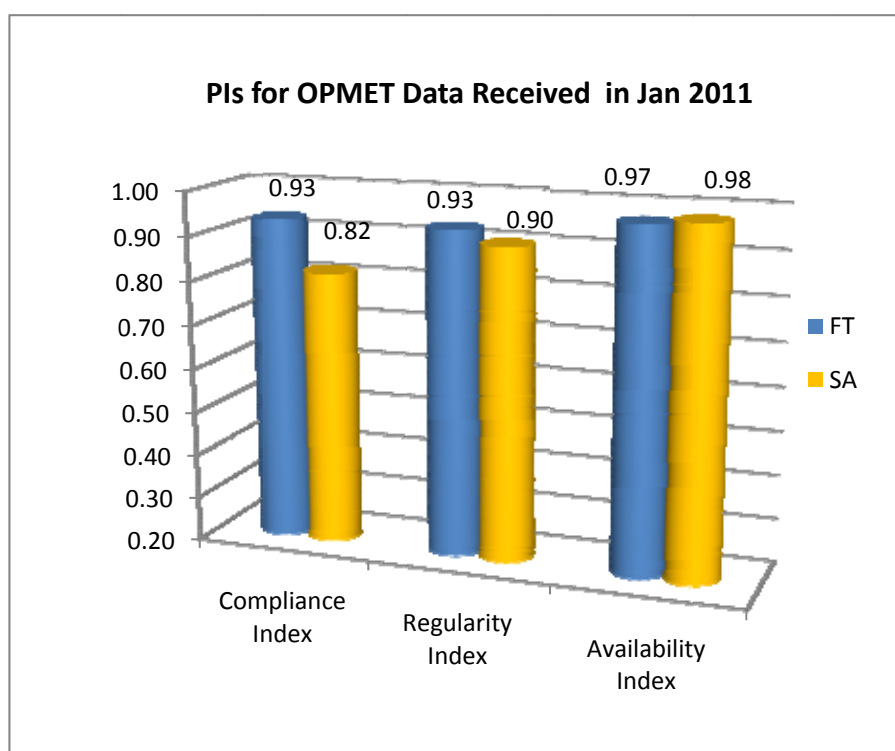
SATH31 VTCL	SATH32 VTSR	SATH33 VTUI	SATH33 VTUL
SATH33 VTUO	SATH33 VTUQ	SATH33 VTUV	

1.5 FASID Table MET 2A (ASIA PAC) on 9 Apr 2010 is also used as reference to assess OPMET availability in the region.

2. RESULTS – PIS MEASUREMENT

2.1 The table and graph below show the average of the three indices during the 31-day monitoring period.

Jan 11	Compliance Index	Regularity Index	Availability Index
FT	0.93	0.93	0.97
SA	0.82	0.90	0.98



2.2 The following tables give an overview on the low compliancy in TAF and METAR exchange during the monitoring period. This group of TAF and METAR has been cross-reference with the OPMET requirement in FASID MET2A to identify any MET deficiency.

OPMET requirement is referred to FASID Tables MET 2A (ASIA PAC) (dated 09/04/2010) and MET 2A (MID) (retrieved on 06/03/2011)

Requirement for aerodrome forecasts in TAF code

- T Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H)
- X Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)

Availability of OPMET information

- F Full : OPMET data as listed issued for the aerodrome all through the 24-hour period
- P Partial : OPMET data as listed not issued for the aerodrome for the entire 24-hour period

Low Compliance Indices < = 0.5 and = 0					
		MET2A	Compliance	Regularity	Availability
FTAE32	VYMD	T/P	0.27	0.65	0.65
FTIN32	VNKT	T/F	0.32	0.87	0.87
FTIN32	VOHY	Not listed	0.03	0.10	0.10
FTIN32	VRMM	T/F	0.02	0.06	0.06
FTPS31	NWWW	T/F	0.00	NA	NA
F TSR31	WABB	X/F	0.30	0.71	0.71
FTTH33	VTUD	T/P	0.02	0.03	0.03
FTTH33	VTUI	T/P	0.02	0.03	0.03
FTTH33	VTUK	T/P	0.02	0.03	0.03
FTTH33	VTUL	T/P	0.02	0.03	0.03
FTTH33	VTUW	T/P	0.02	0.03	0.03

Table 1 - Low Compliancy in exchanging of TAF

Low Compliance Indices < = 0.5 and = 0					
		MET 2A	Compliance	Regularity	Availability
SAAE31	VLVT	P	0.42	0.84	1.00
SAAE31	VYMD	P	0.13	0.77	0.94
SAAE31	VYYY	F	0.35	0.84	1.00
SAEG32	HEBA	Not listed	0.00	NA	NA
SAID31	WABB	F	0.26	0.58	0.58
SAID31	WIDD	F	0.11	0.45	0.45
SAID31	WIHH	F	0.22	1.00	1.00
SAID32	WADA	F	0.44	1.00	1.00
SAID32	WIKN (WIDN)	F	0.00	NA	NA
SAID33	WABP	F	0.00	NA	NA
SAID33	WAJJ	F	0.00	NA	NA
SAID33	WAKK	F	0.00	NA	NA
SAID33	WALR	F	0.00	NA	NA
SAID33	WAPP	F	0.26	0.58	0.58
SAID33	WATT	F	0.48	0.94	0.97
SAID33	WIAT (WICT)	Not listed	0.00	NA	NA
SAIN33	VEPT	F	0.47	0.65	1.00
SAIN33	VGEG	F	0.37	0.77	0.94
SAIN33	VNKT	F	0.47	0.97	1.00

SAJP38	RJNS	Not Listed	0.46	1.00	1.00
SANG31	AYGN	Not Listed	0.00	NA	NA
SANG31	AYMH	F	0.01	0.26	0.26
SANG31	AYMO	F	0.07	0.87	0.87
SANG31	AYNZ	F	0.00	NA	NA
SANG31	AYVN	F	0.04	0.55	0.55
SANG31	AYWK	F	0.06	0.74	0.74
SAPK31	OPGD	F	0.00	0.00	0.00
SAPS31	NFFN	F	0.38	0.90	1.00
SAPS31	NFNA	F	0.00	NA	NA
SAPS31	NGTA	F	0.00	NA	NA
SAPS31	NWWW	F	0.00	NA	NA
SAPS31	PLCH	F	0.00	NA	NA
SAPS32	NFTL	Not Listed	0.00	NA	NA
SAPS32	NFTV	F	0.00	NA	NA
SAPS32	NSAP	Not Listed	0.00	NA	NA
SAPS32	NVSS	F	0.00	0.13	0.13
SAPS32	NVVV	F	0.05	0.45	0.45
SATH31	VTCP	P	0.49	1.00	1.00
SATH32	VTST	P	0.42	0.97	1.00
SAIR32	OAKB	F	0.00	NA	NA
SAIR32	OAKN	F	0.00	NA	NA
SAIR33	OICK	Not listed	0.24	0.71	0.81
SAIR33	OICS	Not listed	0.46	0.77	0.94
SAIR33	OISR	Not listed	0.29	0.65	0.68
SAIR33	OITL	Not listed	0.48	1.00	1.00
SAIR34	OITZ	Not listed	0.49	0.84	1.00
SAIR35	OIAD	Not listed	0.39	0.90	0.97
SAIR35	OIHR	Not listed	0.00	NA	NA
SAIR35	OIKM	Not listed	0.03	0.29	0.29
SAIR36	OIBV	Not listed	0.37	1.00	1.00
SAIR36	OIMN	Not listed	0.44	0.68	1.00
SAIR36	OIMS	Not listed	0.09	0.58	0.58
SAIR37	OIMC	Not listed	0.44	0.90	1.00
SAIR37	OIMD	Not listed	0.44	0.94	1.00
SAIR37	OIMQ	Not listed	0.44	0.94	1.00
SAIR37	OITK	Not listed	0.02	0.23	0.23
SAME31	OJAI	F	0.33	0.71	1.00
SAME31	OJAM	F	0.30	0.77	1.00
SAME31	OJAQ	F	0.32	0.77	1.00

Table 2 - Low Compliancy in exchanging of METAR

2.3 Data Analysis

2.3.1 For TAF exchange, the three indices are showing reasonably good and exceeding above 90%.

2.3.2 For METAR figures, the compliances for a small number of aerodromes are relatively low. It shall be noted that there is still a significant number of aerodromes in the ASIA, MID and PAC regions for which the METAR reports are not available.

3. COMPARISON OF OPMET MONITORING RESULT WITH FASID TABLE MET 2A

3.1 Based on the monitoring result in January 2011, OPMET database has been verified against the OPMET data requirement according to Asia Pac FASID MET 2A. The table below shows the details of missing TAF and METAR although OPMET data is required in the FSAID MET 2A.

AOP Aerodrome	FT required according to FASID Table MET 2A	FT – Not received
	212	13 (6%)
Detail for aerodromes not providing TAF: VEGT VEGY WABP WAJJ WAKK WALR WAMM WAOO WAPP WATT WIDN WIMG WIOO		
Non-AOP Aerodrome	FT required according to FASID Table MET 2A	FT - Not received
	134	13 (10%)
Detail for aerodromes not providing TAF: OPFA OPPI OPQT RKJJ VCCC VCCJ VEBS VIPK VTPH VYSW WARJ WARQ WASS		
Non-AOP Aerodrome	FC required according to FASID Table MET 2A	FC – Not received
	9	3 (33%)
Detail for aerodromes not providing TAF: VVCR VVDL VVDB		
AOP Aerodrome	SA required according to FASID Table MET 2A	SA - Not received
	216	14

(6%)		
Detail for aerodromes not providing METAR: ANYN NFNA NFTV NGTA NVSS OPGD VCCH VEGT VEGY VRMG WIDN WIMG ZKPY ZUXC		
Non-AOP Aerodrome	SA required according to FASID Table MET 2A	SA – Not received
	137	29 (21%)
Detail for aerodromes not providing METAR: AYDU AYGA AYMD AYNZ OPFA OPPI OPQT RKJJ RKJK RKSO RPML RPMR RPVD RPVP VCCC VCCJ VEBS VIPK VTPB VTPT VTSK VTUQ VVCR VVDB VVDL VYSW WARJ WARQ WMKE		

Table 3 - Unavailability of OPMET data according to FASID Table MET 2A

3.2 Table 4 summaries a list of aerodromes for which TAF/METAR is unavailable.

CCCC	SA	FT	FC	CCCC	SA	FT	FC
ANYN	X			VRMG	X		
AYDU	X			VTPB	X		
AYGA	X			VTPH		X	
AYMD	X			VTPT	X		
AYNZ	X			VTSK	X		
NFNA	X			VTUQ	X		
NFTV	X			VVCR	X		X
NGTA	X			VVDB	X		X
NVSS	X			VVDL	X		X
OPFA	X	X		VYSW	X	X	
OPGD	X			WABP		X	
OPPI	X	X		WAJJ		X	
OPQT	X	X		WAKK		X	
RKJJ	X	X		WALR		X	
RKJK	X			WAMM		X	
RKSO	X			WAOO		X	
RPML	X			WAPP		X	
RPMR	X			WARJ	X	X	
RPVD	X			WARQ	X	X	

RPVP	X			WASS		X	
VCCC	X	X		WATT		X	
VCCH	X			WIDN	X	X	
VCCJ	X	X		WIMG	X	X	
VEBS	X	X		WIOO		X	
VEGT	X	X		WMKE	X		
VEGY	X	X		ZKPY	X		
VIPK	X	X		ZUXC	X		

Table 4 – Aerodromes for which TAF or METAR are not received

3.3 Data Analysis

3.3.1 With reference to FASID MET 2A requirements, 18 aerodromes in the Asia Pac region are not providing TAF and METAR; 25 aerodromes listed as not providing METAR and 11 aerodromes listed as not providing TAF.

4. ACTION BY THE MEETING

4.1 The meeting is invited to:

- a) discuss the monitoring result; and
- b) decide on the follow-up action to improve OPMET availability.
