



International Civil Aviation Organization

**FOURTEENTH MEETING OF THE ASIA/PACIFIC METEOROLOGICAL
INFORMATION EXCHANGE WORKING GROUP
(MET/IE WG/14)**

Bangkok, Thailand, 7 – 9 March 2016

**Agenda Item 5: Quality control, monitoring and management of meteorological information
exchange**

ASIA/PAC PERFORMANCE INDICES

(Presented by Thailand)

SUMMARY

This paper presents the Performance Indices (PIs) of incoming OPMET data from 4 RODBs: Bangkok, Brisbane, Singapore and Tokyo during 1-31 January 2016.

1. INTRODUCTION

1.1 The ROBEX WG/13 meeting agreed to monitor incoming METAR (SA) and TAF (FT) OPMET data at all the ASIA/PAC RODBs by RODB Bangkok for January 2016, compared with December 2015.

1.2 This monitoring is to determine OPMET exchanged performance in accordance with the following methodology recommended in ROBEX Handbook:

- a) Availability Index,
- b) Compliance Index and
- c) Regularity Index.

2. DISCUSSION

2.1 RODB Bangkok computed the performance indices (PIs) of the incoming METAR and TAF OPMET data at RODB Bangkok, RODB Brisbane and RODB Tokyo in both IA-5 and AMHS IA-5 formats. The METAR/TAF reference tables are referred to the ROBEX Handbook Twelfth Edition 2004 (Amended – October 2015).

2.2 Moreover the incoming SA and FT bulletins at RODB Singapore are analysed by RODB Singapore. The PIs are also compared with RODB Bangkok's, RODB Brisbane's and RODB Tokyo's

2.3 The following Table gives an overview on the low compliance (< 0.50) for METARs and TAFs exchanged under the ROBEX Scheme. They are from 12 aerodromes (3.02 %) for METARs and from 11 aerodromes (3.39 %) for TAFs.

Bulletin	Aerodrome	Compliance			
		Bangkok	Brisbane	Singapore	Tokyo
SAID31 WIII	WABB	0.01	0.01	0.02	0.01
SAID33 WIII	WAPP	0.01	0.00	0.00	0.01
SAIR35 OIII	OIHR	0.01	0.01		0.01
SAIR36 OIII	OIMT	0.03	0.03		0.03
SANG31 YBBN	AYVN	0.08	0.05	0.36	0.05
SANG31 YBBN	AYWK	0.09	0.11	0.44	0.11
SAPS32 NFFN	NFTL	0.03	0.04	0.13	0.04
SAPS32 NFFN	NFTV	0.03	0.05	0.14	0.05
SAPS32 NFFN	NVSS	0.00	0.01	0.10	0.01
SAPS32 NFFN	NVVV	0.00	0.00	0.10	0.00
SATH33 VTBB	VTUQ	0.01	0.01	0.10	0.01
SATH41 VTBB	VTPB	0.01	0.01	0.12	0.01
FTPS31 NFFN	NCRG	0.04	0.04	0.05	0.04
FTPS31 NFFN	NFFN	0.04	0.04	0.04	0.04
FTPS31 NFFN	NGTA	0.04	0.04	0.04	0.04
FTPS31 NFFN	NIUE	0.04	0.04	0.04	0.04
FTPS31 NFFN	PLCH	0.04	0.04		0.04
FTPS31 NFFN	NFNA	0.04	0.04	0.04	0.04
FTPS31 NFFN	NSFA	0.04	0.04	0.04	0.04
FTPS31 NFFN	NFTF	0.04	0.04	0.04	0.04
FTIN32 VABB	VOHY	0.02	0.03	0.03	0.03
FTNG31 YBBN	ANYN	0.25	0.25	0.27	0.25
FTNG31 YBBN	AYPY	0.34	0.34	0.35	0.34

2.4 Moreover, METARs from 38 aerodromes (9.57 %) and TAFs from 23 aerodromes (7.09 %) as follows are *not available* in all the ASIA/PAC RODBs

<u>Bulletin</u>	<u>Aerodrome</u>
SAEG31 HECA:	HEBL, HEMM, HEPS, HESN, HEGN, HESH, HEBA, HEMA, HETB, HESC, HEAR, HEAT
SAID32 WIII:	WIMG, WIDN
SAID33 WIII:	WAJJ, WAHQ, WARS, WICT, WAKK, WABP, WALR
SAIN32 VIDP:	VIBN
SAIN33 VIDP:	VNKT
SAIR32 OIII:	OAKN, OAKB
SAIR33 OIII:	OIZC,
SAIR35 OIII:	OIAD, OIKM, OIKR
SAME31 OLBA:	OSAP
SANG31 YBBN:	AYMH, AYGX
SAPK31 OPKC:	OPGD
SAPS32 NFFN:	NLWW
SASD31 OEJD:	OEMA, OYSN, OYAA
SATH41 VTBB:	VTUJ

<u>Bulletin</u>	<u>Aerodrome</u>
FTEG31 HECA:	HEBL, HESN, HEMA, HETB
FTEG32 HECA:	HEMM, HEPS, HEGN, HESH, HEBA, HESC, HEAR
FTIN31 VABB:	VEGT, VEGY, VIBN
FTIN32 VABB:	VCBI, VCRI, VRMH
FTME31 OLBA:	OSAP
FTPS31 NFFN:	NFTV, NSTU, NVSS, NVVV
FTSA31 OEJD:	OYSN

2.5 Finally, the summarized statistic may be shown as follows:

	Jan. 2016	
	SA	FT
Number of expected aerodromes	397	324
Number of aerodromes with completed and valid data	374 (87.41%)	290 (89.52%)
Number of aerodromes with partially completed and valid data	12 (3.02%)	11 (3.39%)
Number of aerodromes with no data	38 (9.57%)	23 (7.09%)

Table 1: ASIA/PAC RODBs summarized statistic

3. ACTION BY THE MEETING

3.1 The meeting is invited to discuss as follows:

- a) Investigate unavailable data from the aerodromes; and
- b) Review the dissemination of some OPMET bulletins/aerodromes in ASIA/PAC region.
