



International Civil Aviation Organization

**THIRTEENTH MEETING OF THE ASIA/PACIFIC REGIONAL OPMET
BULLETIN EXCHANGE WORKING GROUP (ROBEX WG/13)**

Seoul, Republic of Korea, 16 – 18 March 2015

Agenda Item 4: OPMET Exchange

PERFORMANCE INDICES OF ASIA/PAC REGION

(Presented by Thailand)

SUMMARY

This paper presents the Performance Indices (PIs) of incoming OPMET data from Bangkok RODB, Brisbane RODB, Nadi RODB, Singapore RODB and Tokyo RODB during 1-31 January 2015.

1. INTRODUCTION

1.1 The ROBEX WG/11 meeting agreed to monitor incoming METAR (SA) and TAF (FT) bulletins at the ASIA/PAC RODBs for January 2015, compared with December 2014. Nadi RODB joined the OPMET Monitoring exercise this year (1-31 January 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 Because Nadi RODB started joining the OPMET Monitoring exercise this year, there are still some issues. For example, the December data from the 1st-12th was not provided. Therefore, the Regularity index cannot be calculated. Moreover, the whole data of January 2015 contains IA-5, ITA-2 and unknown formats. Only the IA-5 format is required for analysis.

2.2 The following Table gives an overview on the low compliancy (< 0.5) for METARs and TAFs exchanged under the ROBEX Scheme. They are from 11 aerodromes (3.86%) for METARs and from 1 aerodrome (0.38%) for TAFs.

Bulletin	Aerodrome	Compliance				
		Bangkok	Brisbane	Nadi	Singapore	Tokyo
SAID31 WIII	WABB	0.01			0.07	0.02
SAID32 WIII	WIOO	0.01			0.03	0.01
SAID33 WIII	WAPP	0.01			0.46	0.02
SAIN33 VECC	VQPR	0.18			0.44	0.18
SANG31 YBBN	AYGN	0.07			0.08	0.08
SANG31 YBBN	AYMO	0.05			0.14	0.07
SANG31 YBBN	AYNZ	0.17			0.41	0.17
SANG31 YBBN	AYVN	0.03			0.14	0.04
SANG31 YBBN	AYWK	0.12			0.14	0.13
SAPS31 NFFN	PLCH	0.04	0.04	0.00	0.11	0.04
SAPS32 NFFN	NVVV	0.05	0.05	0.04	0.13	0.04
FTIN32 VABB	VOHY	0.01	0.01	0.00	0.01	0.01

Table 1: List of aerodromes with low compliancy for METAR and TAF

2.3 Moreover, METARs from 15 aerodromes (5.26%) and TAFs from 5 aerodromes (1.92%) as follows are not available in all the ASIA/PAC RODBs

<u>Bulletin</u>	<u>Aerodrome</u>
SAID32 WIII:	WIDN
SAID33 WIII:	WABP, WAJJ, WAKK, WALR
SANG31 YBBN:	AYMH
SAPK31 OPKC:	OPGD
SAPS31 NFFN:	NGTA, NSTU
SAPS32 NFFN:	NLWW, NVSS
SATH33 VTBB:	VTUQ
SATH41 VTBB:	VTPB, VTSK, VTUJ
FTIN32 VABB:	VRMH, VRMM
FTPS31 NFFN:	NLWW, NSTU, NWWW

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

	Jan. 2014		Jan. 2015	
	SA	FT	SA	FT
Number of expected aerodromes	398	327	285*	261*
Number of aerodromes with completed and valid data	316 (79.40%)	276 (84.40%)	259 (90.88%)	255 (97.70%)
Number of aerodromes with partially completed and valid data	49 (12.31%)	46 (14.07%)	11 (3.86%)	1 (0.38%)
Number of aerodromes with no data	33 (8.29%)	5 (1.53%)	15 (5.26%)	5 (1.92%)

Remark: * Number of expected aerodromes of 2015 is less than the preceding year because the aerodromes from MID were excluded.

Table 2: ASIA/PAC RODBs summarized statistic

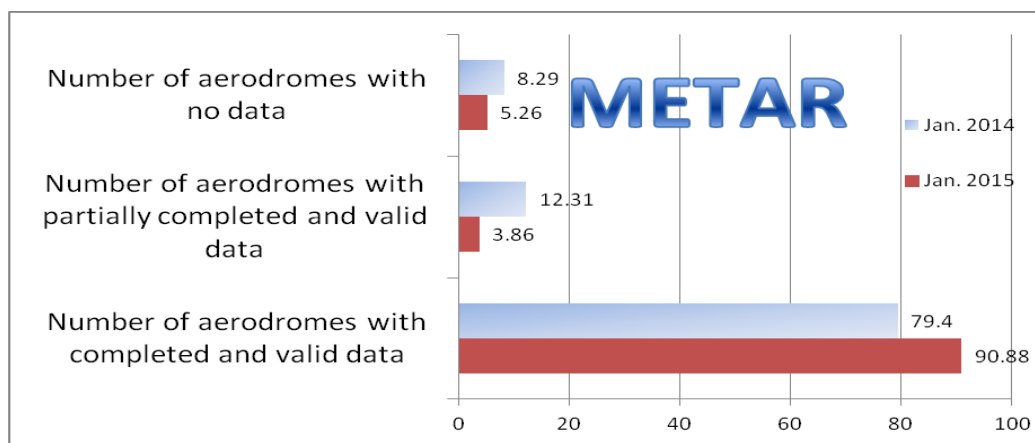


Figure 1: Diagram of the comparison of METAR between 2014 and 2015

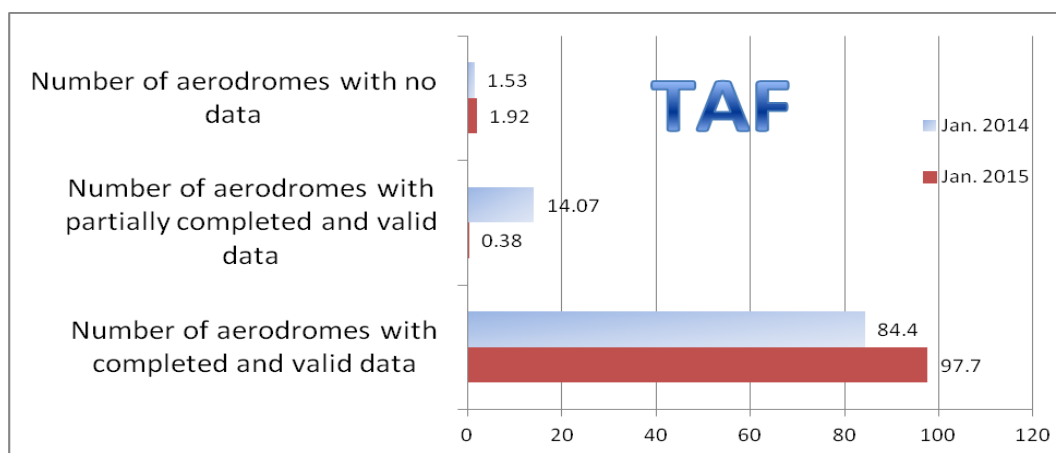


Figure 2: Diagram of the comparison of TAF between 2014 and 2015

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.
