



International Civil Aviation Organization

**THIRD MEETING OF ASIA/PAC OPMET MANAGEMENT TASK FORCE
OF CNS/MET SUB-GROUP OF APANPIRG (OPMET/M TF/3)**

Bangkok, Thailand, 2-4 March 2005

**Agenda Item 4: Development of procedures for monitoring and management of OPMET exchange:
a) OPMET exchange monitoring**

BANGKOK OPMET EXCHANGE MONITORING

(Presented by Thailand)

SUMMARY

The purpose of this paper is to provide the current procedure of Bangkok OPMET exchange monitoring and some samples of OPMET information monitoring.

1. INTRODUCTION

1.1 The Bangkok OPMET data bank has presently got an OPMET exchange monitoring procedure for daily monitoring the exchanges of all required OPMET message types: SA, SP, FT, FC, WS, WC, WV, FK, FV and UA.

2. BANGKOK OPMET EXCHANGE MONITORING

2.1 The current monitoring procedure contains 4 analysing and storing tasks as follows:

- Daily results of OPMET information monitoring as an MS Excel file;
- Daily incoming messages as a text file;
- Summary of daily incoming messages as a printout/text file; and
- Summary of daily request messages as a printout/ text file.

2.2 The samples of the above result text files are shown as Attachment A, Attachment B, Attachment C and Attachment D, respectively.

3. SOME MISTAKES FOUND FROM THE MONITORING

3.1 The contents of bulletins and the order of stations in SACI31, SACI32 and SACI41 bulletins are not kept fixed. The SACI41 bulletin also contains OPMET information from the unusual numbers of stations. The samples of the SACI41 bulletins are shown as Attachment E.

3.2 TAF bulletins received from Bombay often contain their geographical designators as "AS31" or "AS32" instead of "IN31" or "IN32". The samples of the TAF bulletins are shown as Attachment F.

4. ACTION BY THE MEETING

4.1 The meeting is invited to inform the mistakes to whom it may concern.

-END-

Daily Results of OPMET Information Monitoring

Incoming Messages Information

Printed : 11/02/2005 0:18:42

From 10/02/2005 00:00:00 to 10/02/2005 23:59:59

No.	TOR	Filing Time	Originator	Type	Bulletin	WMO Line	Station	Code
1	10/02/2005 00:06:27	100005	YBBBZEZX	FT	AU32 YBBN	100000	YBTL	AAC
2	10/02/2005 00:41:28	100038	YBBBZEZX	FT	AU32 YBBN	100000	YBRK	CCA
3	10/02/2005 00:49:44	100049	YBBBZEZX	FT	AU32 YBBN	100000	YSCB	AAD
4	10/02/2005 01:15:06	100114	YBBBZEZX	FT	AU31 YBBN	100100	YBCS	AAA
5	10/02/2005 01:16:54	100116	RJAAYPYX	FT	JP32 RJTD	092100	RJNT	AAA
6	10/02/2005 01:42:17	100141	WSSSYMYX	FT	FR31 LFPW	092300	LFBD	AAA
7	10/02/2005 01:44:22	100143	YBBBZEZX	FT	AU32 YBBN	100100	YBTL	AAE
8	10/02/2005 01:52:10	100151	WSSSYMYX	FT	FR31 LFPW	092200	LFBD	AAA
9	10/02/2005 02:08:49	100208	VVNBYMYX	FT	VS31 VVNB	100200	VVDB	*
9	10/02/2005 02:08:49	100208	VVNBYMYX	FT	VS31 VVNB	100200	VVCI	*
9	10/02/2005 02:08:49	100208	VVNBYMYX	FT	VS31 VVNB	100200	VVVH	*
10	10/02/2005 02:32:52	100232	VHHHYPYX	FT	HK31 VHHH	092200	VHHH	AAA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIFM	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OISS	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIZH	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIII	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIKB	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIKK	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIMM	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OIAW	CCA
11	10/02/2005 02:41:49	100240	OIIYPYX	FT	IR31 OIII	100400	OITT	CCA
:	:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:	:
395	10/02/2005 23:55:14	102354	WSSSYMYX	FT	FR32 LFPW	102300	LFLL	-
395	10/02/2005 23:55:14	102354	WSSSYMYX	FT	FR32 LFPW	102300	LFKB	*
395	10/02/2005 23:55:14	102354	WSSSYMYX	FT	FR32 LFPW	102300	LFLL	*
395	10/02/2005 23:55:14	102354	WSSSYMYX	FT	FR32 LFPW	102300	LFMN	*
395	10/02/2005 23:55:14	102354	WSSSYMYX	FT	FR32 LFPW	102300	LFQQ	*
395	10/02/2005 23:55:14	102354	WSSSYMYX	FT	FR32 LFPW	102300	LFBS	*

Total Message (s) = 395

Attachment B

Daily Incoming Messages

<SOH>MET0001 060000

GG VTBBYPYX

052359 OPKCYZYX

<STX>SAPK31 OPKC 052359

OPKC NIL=

OPRN 060000Z 00000KTS 1000 RA FEW030TCU SCT030 OVC100 08/07 Q1014=

OPLA 060000Z 10006KT 4000 FU SCT040 BKN100 11/09 Q1013 NOSIG=

OPNH 052400Z 35004KT 3000 S/HZ 08/04 Q1011=

<VT><ETX>

<SOH>MET0002 060001

GG VTBBYPYX

060002 VGEGYMYX

<STX>SPBW31 VGEG 052350

SPECI VGEG 33003KT 2500 BR 16/14 Q1014 BECMG S/VIS1.2KMS OR LESS=

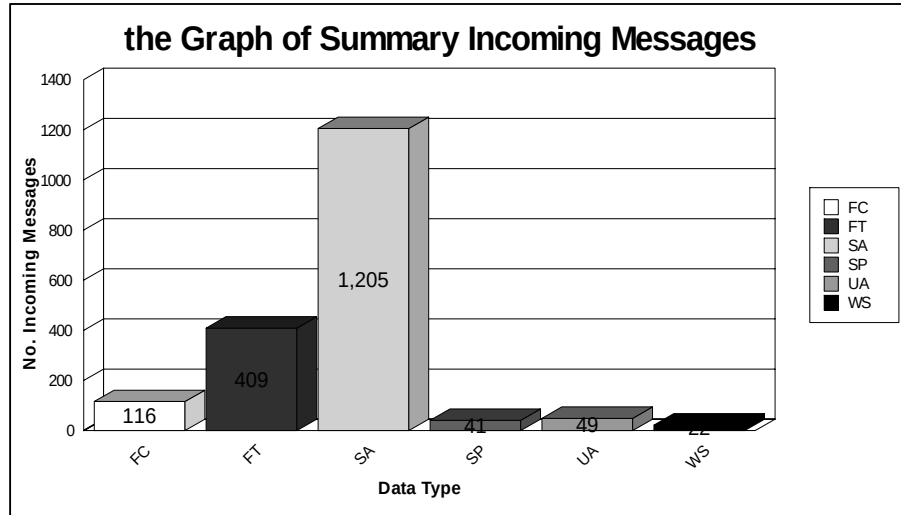
<VT><ETX>

Summary of Daily Incoming Messages

Summary Input Statistics

Printed : 15/02/2005 0:24:26**Date : 14/02/2005**

Data Type	Incoming
9 HR TAF (FC)	116
18/24 HR TAF (FT)	409
METAR (SA)	1,205
SPECI (SP)	41
Special AIREPs (UA)	49
SIGMET (WS)	22
Grand Total	1,842



Attachment D

Summary of Daily Request Messages

Summary Request Messages Information

Printed :

12/02/2005

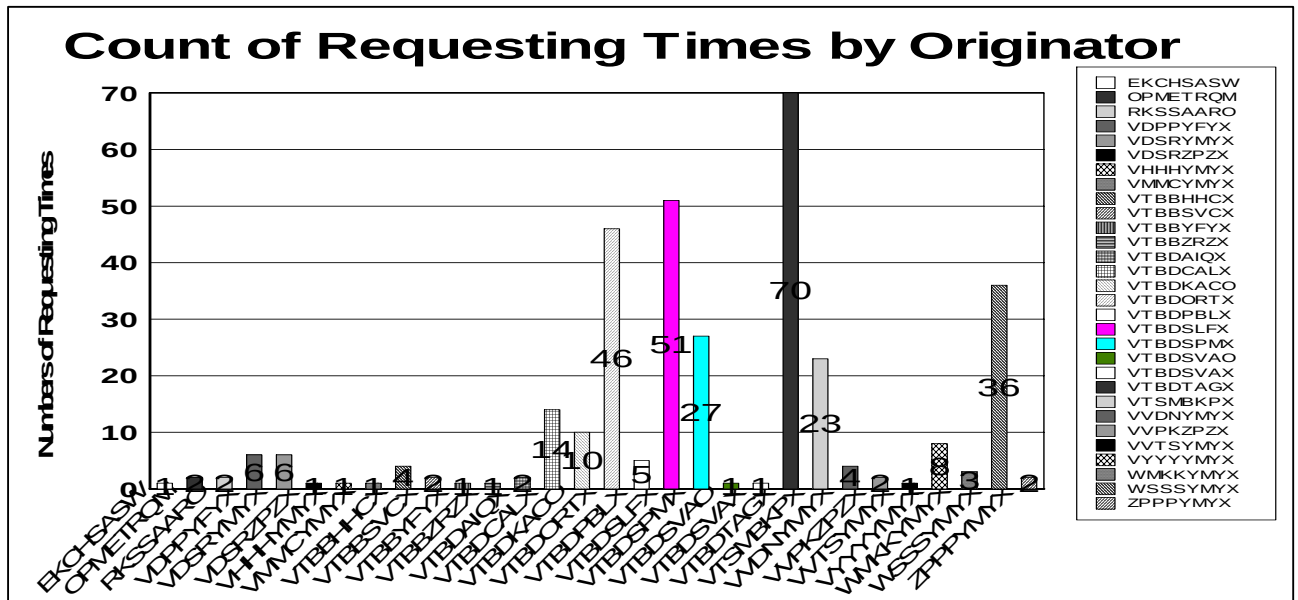
0:06:08

Date : 11/02/2005

No.	TOR	Filing Time	Originator	Type	RQM by Bulletin	RQM by Station	Code (0-3)**
1	11/02/2005 00:01:19	102359	VTBDAIQX	SA		VTSC	0
1	11/02/2005 00:01:19	102359	VTBDAIQX	FT		VTSC	0
2	11/02/2005 00:05:50	110005	VTBDSPMX	FT		VYYY	0
2	11/02/2005 00:05:50	110005	VTBDSPMX	FT		VTBU	0
2	11/02/2005 00:05:50	110005	VTBDSPMX	FT		VTBD	0
2	11/02/2005 00:05:50	110005	VTBDSPMX	FT		VTCC	0
3	11/02/2005 00:05:41	110005	VTBDTAGX	FT		VTBD	0
4	11/02/2005 00:08:45	110008	VTBDPBLX	FT		VTBU	0
4	11/02/2005 00:08:45	110008	VTBDPBLX	SA		VTBU	0
4	11/02/2005 00:08:45	110008	VTBDPBLX	FT		VTBD	0
4	11/02/2005 00:08:45	110008	VTBDPBLX	SA		VTBD	0
4	11/02/2005 00:08:45	110008	VTBDPBLX	SA		VTTP	0
:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:
107	11/02/2005 23:41:33	112340	VTBDSPMX	FT		VTCC	0
107	11/02/2005 23:41:33	112340	VTBDSPMX	FT		VTBU	0
108	11/02/2005 23:42:30	112341	VTSMBKPX	SA	AS31		0

Total Message (s) = 108

** Code: 0 (No option), 1 (Indicated observation time), 2 (Last 6-period time request), 3 (Last 6 bulletins without indicating stations)



SACI41 Bulletins from ZBBBYPYX

RBX0026 160005

GG VTBBYPYX

160005 ZBBBYPYX

SACI41 ZBBB 160000

METAR

ZBHH 160000Z 02007G12MPS CAVOK M11/M15 Q1021 NOSIG=

ZGHA 160000Z 33005MPS 2500 -SHRA BR BKN006 FEW040CB BKN040

03/03 Q1021 RETS BECMG TSRA BKN006 SCT030CB OVC040=

ZHHH 160000Z 04003MPS 1800 BR -RA PL BKN018 OVC060 01/M00 Q1021 NOSIG=

ZJHK 16000V190 CAVOK 24/20 Q1010 NOSIG=

ZJSY 160000Z 06003MPS 9999 SCT013 BKN016 24/20 Q1012 NOSIG=

ZLLL 160000Z 36002MPS CAVOK M11/M16 Q1014 NOSIG=

ZSNJ 160000Z 30004MPS 3000 BR BKN009 OVC050 03/01 Q1021 NOSIG=

ZSOF 160000Z 31002MPS 1400 R32/P1500N BR BKN007 OVC030 01/00 Q1021 NOSIG=

ZUCK 160000Z 36001MPS 2300 BR SCT026 OVC053 08/06 Q1017 NOSIG=

ZWSH 160000Z 29002MPS 9999 BKN040 BKN200 M02/M10 Q1017 NOSIG=

ZYCC 160000Z 03004MPS 9999 SCT020 OVC100 M13/M19 Q1021 NOSIG=

ZYHB 160000Z 02006MPS 4000 BR NSC M14/M20 Q1025 NOSIG=

RBX1868 161506

GG VTBBYPYX

161507 ZBBBYPYX

SACI41 ZBBB 161507

(ZBAA,ZBTJ and ZBYN should be in SACI31)

METAR

ZBAA 161500Z 20002MPS 3500 BR SKC M01/M03 Q1030 NOSIG=

ZBTJ 161500Z 18001MPS 1000 R34/1000N BR NSC M04/M04 Q1030 NOSIG=

ZBYN 161500Z 07005MPS CAVOK 01/M06 Q1021 NOSIG=

Attachment F

TAFOR Bulletins from VABBYMYX

RBX0067 200018

GG VTBBYPYX

200016 VABBYMYX

FTAS31 VABB 192100

(Should be “FTIN31” - Ref. ROBEX Handbook)

TAF VAAH 192100Z 200024 33005KT 3000 FU/HZ SKC TEMPO 0103 2000 FU/HZ

SKC BEC 0406 29006KT 4000 FU SKC BEC 0608 32010KT 6000 SKC BEC

1315 33005KT 4000 FUKC=

TAF VABB 192100Z 200024 05005KT 4000 FU SCT020 BECMG 0305 33008KT

FEW020 BECMG 0709 29012KT 5000 FU SKC BECMG 1315 32008KT

BECMG 1820 05005KT 4000 FU FEW020 TEMPO 0204 2000 FU =

TAF VANP 192100Z 200009 VANP/VABP/VARP/VAID/VIGR/VAJB/VAKJ

36010KT 3000 HZ SKC BEC 0304 5000 HZ SKC BEC 0506 24010KT

6000 SKC TEMPO 0609 CAVOK=

TAF VECC 192100Z 200024 00000KT 1500 BR SCT020 BECMG 0203 VRB03KT

3000 HZ BECMG 0406 20005KT 5000 HZ BECMG 1112 3000

HZ BECMG 1820 VRB03KT2000 HZ BECMG 2123 00000KT 1500 BR

TEMPO 0012 FEW025CB=

TAF VEPT 192100Z 200024 25005KT 1500 BR SCT020 BECMG 0305 18005KT

3000 HZ BECMG 0709 5000 HZ BECMG 1112 VRB03KT 3000

HZ SCT020 BECMG 1618 1500 BR BECMG 2122 1000 MIFG

TEMPO 0918 FEW025CB=

RBX0598 200407

GG VTBBYPYX

200400 VABBYMYX

FTAS32 VABB 200300

(Should be “FTIN32” - Ref. ROBEX Handbook)

TAF VCBI 200340Z 200606 29010KT 9999 SCT018 TEMPO 1018 FEW020CB BECMG

1415 VRB05KT TEMPO 2302 6000 BECMG 0304 04008KT=

TAF VNKT 200300Z NIL=

TAF VOCI 200300Z 200606 29010KT 6000 FEW020 SCT250 BECMG 1314 VRB03KT

4000 HZ BECMG 0001 09005KT BE 0304 6000 TEMPO 0002 2000 BR=

TAF VOCL 200300Z 200606 29010KT 8000 FEW020 SCT250 BECMG 1314 00000KT

6000 BECMG 0001 09005KT TEMPO 0002 2000 BR/HZ=

TAF VOHY 200300Z 200606 12010KT 6000 SCT020 SCT200 TEMPO 0004 2000

BR SCT015 SCT100=

TAF VOMM 200300Z 200606 16015KT 8000 FEW020 SCT200 BECMG 1718

VRB03KT 4000 HZ BECMG 0405 16015KT 8000 TEMPO 0004 1500 BR=

TAF VOTR 200300Z 200606 16012G22KT 8000 FEW020 SCT200 BECMG 2021

VRB03KT 4000 HZ BECMG 0405 16012G22KT 8000 TEMPO 0004 1500 BR=

TAF VOTV 200300Z 200606 27010KT 6000 FEW020 SCT250 BECMG 1415 00000KT

4000 HZ BECMG 0001 04005KT BECMG 0405 27010KT 6000 TEMPO 0002

2000 BR=