



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 3: OPMET exchange

ALIGNMENT OF BANGKOK METAR/TAF BULLETINS

(Presented by Thailand)

SUMMARY

Bangkok ROBEX Centre has aligned all METAR/TAF Bulletins with respect to the composition of location in the bulletins in order to facilitate the comparison and interpretation of results of monitoring exercises based on the OPMET bulletins.

1. INTRODUCTION

1.1 Reference to ROBEX WG/13 decision 13/3 – Alignment of ROBEX OPMET bulletins.

1.2 Reference to activity 9 of ROBEX Working Group work plan: Improve Efficiency and effectiveness of ROBEX Scheme. All RODBs should do

Activity 9.1: Align content of SA bulletins with FT bulletins, where appropriate

Activity 9.2: Adjust FT bulletin filing time, where appropriate

Activity 9.3: Review FASID table and ensure all necessary aerodromes are contained in OPMET bulletins

2. DISCUSSION

2.1 Bangkok ROBEX Center has completed the alignments in all METAR/TAF Bulletins under its responsibility.

2.2 Alignment of Bangkok Bulletins (as in Attachment I, II) consists of

- METAR Bulletins
SAAE31, SAAE32, SAAE33, SAAE34
SATH31, SATH32, SATH33

- TAF Bulletins
FTAE31, FTAE32, FTAE33, FTAE34
FTTH31, FTHT32, FTTH33, FTTH34

2.3 Bangkok ROBEX Center has notified all APAC RODBs and ROBEX centers of the alignments by issuing METNO on 1 October 2015 with the effective date on 30 October 2015

2.4 Bangkok ROBEX Center has updated Table A: ROBEX Collection and Dissemination of METAR (SA) Bulletins (See Attachment I).

2.5 Bangkok ROBEX Center has updated Table B: ROBEX Collection and Dissemination of TAF (FT) Bulletins (See Attachment II).

2.6 Bangkok ROBEX Center has updated Table C: ROBEX Exchange of METAR and TAF compared with APAC FASID Table MET 1A (See Attachment III).

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) consider the proposed changes and update ROBEX Handbook where appropriate.

Attachment I

Table A : ROBEX Collection and Dissemination of METAR (SA) Bulletins							
1		2			3	4	
ROBEX Centre		METAR Bulletin			Bul Time	DISSEMINATION TO	
Name	CCCC	Bul no.	CCCC	Aerodrome		RODB/ROB EX Centre	AFTN address
ASIA/PAC REGION							
Bangkok	VTBB	SAAE31	VTBD VTBS VTBU VTCC VTCT VTSG VTSP VTSS	BANGKOK/Don Mueang Intl Airport BANGKOK/Suvarnabhumi intl Airport RAYONG/U-Tapao intl Airport CHIANG MAI/Chiang Mai Intl Airport CHIANG RAI/Chiang Rai Intl Airport KRABI PHUKET/Phuket Intl Airport SONGKHLA/Hat Yai Intl Airport	HH + 00 HH + 30	BANGKOK	VTBBYPYX
						SINGAPORE	WSZZYPYM
		SAAE32	VDPP VDSR VLVT VYMD VYYY	PHNOM PENH SIEM REAP VIENTIANE (Wattay) MANDALAY INTERNATIONAL YANGON INTERNATIONAL	HH + 00 HH + 30	BANGKOK	VTBBYPYX
						BRISBANE	YBBBYPYX
SAAE33	VLLB VLLN VLPS VLSK	LUANG PRABANG* LUANG NAMTHA* PAKSE* SAVANNAKHET*	HH + 00	BANGKOK	VTBBYPYX		
				BRISBANE	YBBBYPYX		
SAAE34	VVCR VVCT VVDN VVNB VVPB VVPQ VVTS	KHANH HOA/Cam Ranh CAN THO DA NANG HA NOI/Noi bai HUE/Phu Bai KIEN GIANG/Phu Quoc HO CHI MINH/Tan Son Nhat	HH + 00 HH + 30	BANGKOK	VTBBYPYX		
						BRISBANE	YBBBYPYX
						SINGAPORE	WSZZYPYM
						TOKYO	RJTDYPYX
						Collombo	VCCCPYX
						Delhi	VIDPPYX
						Hong Kong	VHZZYPYX
						Incheon	RKSIYPYX
						Jakarta	WIZZMCMC
						Kolkata	VECCYPYX
						Kuala Lumpur	WMZZYPYR
						Mumbai	VABYPYX

*All SA- bulletin for 2300-1400UTC

Table A : ROBEX Collection and Dissemination of METAR (SA) Bulletins							
1		2			3	4	
ROBEX Centre		METAR Bulletin			Bul Time	DISSEMINATION TO	
Name	CCCC	Bul no.	CCCC	Aerodrome		RODB/ROB EX Centre	AFTN address
		SATH31	VTCH VTCL VTCN VTCP VTPH VTPO VTPP VTPB VTPM VTBO	MAE HONG SON* LAMPANG*** NAN* PHRAE* PRACHUAP KHIRI KHAN/Hua Hin* SUKHOTHAI** PHITSANULOK** PHETCHABUN TAK/Mae Sot TRAT/Khao Sming*	HH + 00	BANGKOK BRISBANE SINGAPORE TOKYO	VTBBYPYX YBBBYPYX WSZZYPYM RJTDYPYX
		SATH32	VTSB VTSC VTSE VTSF VTSH VTSK VTSM VTSR VTST	SURAT TANI** NARATHIWAT* CHUMPHON/Tab Gai NAKHON SI THAMMARAT** SONGKHLA* PATTANI SURAT THANI/Samui** RANONG*** TRANG*	HH + 00	BANGKOK BRISBANE SINGAPORE TOKYO	VTBBYPYX YBBBYPYX WSZZYPYM RJTDYPYX
		SATH33	VTUD VTUI VTUK VTUL VTUO VTUQ VTUV VTUW VTUJ VTUU	UDON THANI** SAKON NAKHON/Ban Khai*** KHON KAEN** LOEI*** BURI RAM*** NAKHON RATCHASIMA** ROI ET*** NAKHON PHANOM* SURIN UBON RATCHATHANI	HH + 00	BANGKOK BRISBANE SINGAPORE TOKYO	VTBBYPYX YBBBYPYX WSZZYPYM RJTDYPYX
				*Available 0000-1100 ** Available 2300-1400 ***On request			

Table B : ROBEX Collection and Dissemination of Long TAF (FT) Bulletins

1		2						3	
ROBEX Centre		Bul no.	CCCC	Aerodrome	Filing time	Start of validity	TAF validity	DISSEMINATION TO	
Name	CCCC							RODB/ROBEX Centre	AFTN address
Bangkok	VTBB	FTAE31	VTBD	BANGKOK/Don Mueang Intl Airport	0535	0600	30	BANGKOK	VTBBYPYX
			VTBS	BANGKOK/Suvarnabhumi intl Airport	1135	1200	30	BRISBANE	YBBBYPYX
			VTBU	RAYONG/U-Tapao intl Airport	1735	1800	24	SINGAPORE	WSZZYPYM
			VTCC	CHIANG MAI/Chiang Mai Intl Airport	2335	0000	30	TOKYO	RJTDYPYX
			VTCT	CHIANG RAI/Chiang Rai Intl Airport			24	Abu Dhabi	OMZZYPYX
			VTSG	KRABI			30	Bahrain	OBZZYPYX
			VTSP	PHUKET/Phuket Intl Airport			30	Beijing	ZBBBYPYX
			VTSS	SONGKHLA/Hat Yai Intl Airport			24	Beirut	OLLLYPYX
							24	Hong Kong	VHZZYPYX
								Jeddah	OEJDYPYX
								Karachi	OPZZYPYX
								Kuala Lumpur	WMZZYPYR
								Mumbai	VABBYPYX
								Incheon	RKSIYPYX
								Tehran	OIIIYPYX
								Wellington	NZZYPYA
		FTAE32	VDPP	PHNOM PENH	0535	0600	18(24)	BANGKOK	VTBBYPYX
			VDSR	SIEM REAP	1135	1200	18(24)	BRISBANE	YBBBYPYX
			VYYY	YANGON INTERNATIONAL	2335	1800	24	SINGAPORE	WSZZYPYM
			VYMD	MANDALAY INTERNATIONAL *		0000	24	TOKYO	RJTDYPYX
			VGHS	HAZRAT SHAHJALAL INTERNATIONAL AIRPORT			30	Bahrain	OBZZYPYX
			VLVT	VIENTIANE (Wattay)				Beijing	ZBBBYPYX
								Beirut	OLLLYPYX
								Hong Kong	VHZZYPYX
								Jeddah	OEJDYPYX
								Karachi	OPZZYPYX
								Kuala Lumpur	WMZZYPYR
								Mumbai	VABBYPYX
								Incheon	RKSIYPYX
								Tehran	OIIIYPYX
								Wellington	NZZYPYA
				*Issued 0500/1100					
		FTAE33	VLLB	LUANG PRABANG	0535	0600	18	BANGKOK	VTBBYPYX
			VLLN	LUANG NAMTHA	1135	1200	18	BRISBANE	YBBBYPYX
			VLPS	PAKSE	1735	0000	18	SINGAPORE	WSZZYPYM
			VLSK	SAVANNAKHET	2335		18	TOKYO	RJTDYPYX
							18(24)	Bahrain	OBZZYPYX
								Beijing	ZBBBYPYX
								Beirut	OLLLYPYX
								Hong Kong	VHZZYPYX
								Jeddah	OEJDYPYX
								Karachi	OPZZYPYX
								Kuala Lumpur	WMZZYPYR
								Mumbai	VABBYPYX
								Incheon	RKSIYPYX
								Tehran	OIIIYPYX
								Wellington	NZZYPYA
		FTAE34	VVCR	KHANH HOA/Cam Ranh	0535	0600	30	BANGKOK	VTBBYPYX
			VVCT	CAN THO	1135	1200	24	BRISBANE	YBBBYPYX
			VVDN	DA NANG	1735	1800	24	SINGAPORE	WSZZYPYM
			VVNB	HA NOI/Noi bai	2335	0000	24	TOKYO	RJTDYPYX
			VVPB	HUE/Phu Bai			24	Abu Dhabi	OMZZYPYX
			VVPQ	KIEN GIANG/Phu Quoc			24	Bahrain	OBZZYPYX
			VVTS	HO CHI MINH/Tan Son Nhat			24	Beijing	ZBBBYPYX
								Beirut	OLLLYPYX
								Hong Kong	VHZZYPYX
								Jeddah	OEJDYPYX
								Karachi	OPZZYPYX
								Kuala Lumpur	WMZZYPYR
								Mumbai	VABBYPYX
								Incheon	RKSIYPYX
								Tehran	OIIIYPYX
								Wellington	NZZYPYA

Table B : ROBEX Collection and Dissemination of Long TAF (FT) Bulletins

1		2					3		
ROBEX Centre		Bul no.	CCCC	Aerodrome	Filing time	Start of validity	TAF validity	DISSEMINATION TO	
Name	CCCC							RODB/ROBEX Centre	AFTN address
Bangkok	VTBB	FTTH31	VTCL	LAMPANG	0535	0600	24	BANGKOK BRISBANE SINGAPORE TOKYO	VTBBYPYX YBBBYPYX WSZZYPYM RJTDYPYX
			VTCN	NAN	1135	1200	24		
			VTCP	PHRAE	1735	1800	24		
			VTCH	MAE HONG SON	2335	0000	24		
			VTPM	TAK/MAE SOT					
			VTPP	PHITSANULOK					
			VTPT	TAK					
			VTPO	SUKHOTHAI					
			VTPB	PHETCHABUN					
VTPH	PRACHUAP KHIRI KHAN/Hua Hin								
VTBO	TRAT/Khao Sming								
		FTTH32	VTSB	SURAT TANI**	0535	0600	24	BANGKOK BRISBANE SINGAPORE TOKYO	VTBBYPYX YBBBYPYX WSZZYPYM RJTDYPYX
	VTSC		NARATHIWAT*	1135	1200	24			
	VTSE		CHUMPHON/Tab Gai	1735	1800	24			
	VTSE		NAKHON SI THAMMARAT**	2335	0000	24			
	VTSH		SONGKHLA*						
	VTSK		PATTANI						
	VTSM		SURAT THANI/Samui**						
	VTSR		RANONG***						
	VTST		TRANG*						
		FTTH33	VTUD	UDON THANI	0535	0600	24	BANGKOK BRISBANE SINGAPORE TOKYO	VTBBYPYX YBBBYPYX WSZZYPYM RJTDYPYX
	VTUI		SAKON NAKHON/Ban Khai	1135	1200	24			
	VTUK		KHON KAEN	1735	1800	24			
	VTUL		LOEI	2335	0000	24			
	VTUO		BURI RAM						
	VTUW		NAKHON PHANOM						
	VTUQ		NAKHON RATCHASIMA						
	VTUV		ROI ET						
	VTUJ		SURIN						
	VTUU	UBON RATCHATHANI							

**Table C : ROBEX Exchange of METAR and TAF compared with ASIA/PAC FASID
Table MET 1A**

AOP Aerodromes

Name of the aerodrome	Use	ICAO loc.ind.	ROBEX SA bulletin	ROBEX FT bulletin	RODB
1	2	3	4	5	6
MYANMAR YANGON INTERNATIONAL	RS	VYYY	SAAE31 VTBB SAAE32 VTBB	FTAE32 VTBB	Bangkok
MYANMAR MANDALAY INTERNATIONAL		VYMD	SAAE31 VTBB SAAE32 VTBB	FTAE32 VTBB	Bangkok
LAO PEOPLE'S DEMOCRATIC REPUBLIC VIENTIANE (WATTAY)	RS	VLVT	SAAE31 VTBB SAAE32 VTBB	FTAE33 VTBB FTAE32 VTBB	Bangkok
CAMBODIA PHNOM PENH	RS	VDPP	SAAE31 VTBB SAAE32 VTBB	FTAE32 VTBB	Bangkok
SIEM REAP	AS	VDSR	SAAE31 VTBB SAAE32 VTBB	FTAE32 VTBB	
LAO PDR LUANG PRABANG		VLLB	SAAE32 VTBB SAAE33 VTBB	FTAE33 VTBB	Bangkok
LUANG NAMTHA		VLLN	SAAE32 VTBB SAAE33 VTBB	FTAE33 VTBB	
PAKSE		VLPS	SAAE32 VTBB SAAE33 VTBB	FTAE33 VTBB	
SAVANNAKHET		VLSK	SAAE32 VTBB SAAE33 VTBB	FTAE33 VTBB	
BANGLADESH M.A. HANNAN INTL. CHITTAGONG HAZRAT SHAHJALAL INTERNATIONAL AIRPORT	RS RS	VGEG VGHS	SAIN33 VECC SAIN33 VECC	FTAE32 VTBB	Bangkok
VIET NAM DA NANG	AS	VVDN	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	Bangkok
HA NOI/Noi Bai	RS	VVNB	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	
HUE/Phu Bai	RS	VVPB	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	
HO CHI MINH/Tan Son Nhat	RS	VVTS	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	

Additional non-AOP Aerodromes

VIET NAM					
CAM RANH		VVCR	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	Bangkok
CAN THO		VVCT	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	
PHU QUOC		VVPQ	SAAE33 VTBB SAAE34 VTBB	FTAE34 VTBB	
THAILAND					
BANGKOK/Don Mueang Intl Airport	RS	VTBD	SAAE31 VTBB	FTAE31 VTBB	Bangkok
BANGKOK/Suvarnabhumi Intl Airport	RS	VTBS	SAAE31 VTBB	FTAE31 VTBB	
CHIANG MAI/Chiang Mai Intl Airport	RS	VTCC	SAAE31 VTBB	FTAE31 VTBB	
CHIANG RAI/Chiang Rai Intl Airport	RS	VTCT	SATH31 VTBB SAAE31 VTBB	FTAE31 VTBB	
KHON KAEN	RS	VTUK	SATH33 VTBB	FTTH33 VTBB	
KRABI	RS	VTSG	SATH32 VTBB SAAE31 VTBB	FTAE31 VTBB	
PHITSANULOK	RS	VTTP	SATH31 VTBB	FTTH31 VTBB	
PHUKET/Phuket Intl Airport	RS	VTSP	SAAE31 VTBB	FTAE31 VTBB	
RAYONG/U-Taphao Intl Airport	RS	VTBU	SAAE31 VTBB	FTAE31 VTBB	
SONGKHLA/Hat Yai Intl Airport	RS	VTSS	SAAE31 VTBB	FTAE31 VTBB	
SURAT THANI	RS	VTSB	SATH32 VTBB	FTTH32 VTBB	
UBON RATCHATHANI	RS	VTUU	SATH33 VTBB	FTAE31 VTBB FTTH33 VTBB	
THAILAND					
BURI RAM		VTUO	SATH33 VTBB	FTTH33 VTBB	
CHUMPHON/Tab Gai		VTSE	SATH41 VTBB SATH32 VTBB	FTTH32 VTBB	
MAE HONG SON		VTCH	SATH31 VTBB	FTTH31 VTBB	
LAMPANG		VTCL	SATH31 VTBB	FTTH31 VTBB	
LOEI		VTUL	SATH33 VTBB	FTTH33 VTBB	
NAKHON PHANOM		VTUW	SATH33 VTBB	FTTH33 VTBB	
NAKHON RATCHASIMA		VTUQ	SATH33 VTBB	FTTH33 VTBB	
NAKHON SI THAMMARAT		VTSF	SATH32 VTBB	FTTH32 VTBB	
NAN		VTGN	SATH31 VTBB	FTTH31 VTBB	
NARATHIWAT		VTSC	SATH32 VTBB	FTTH32 VTBB	
PATTANI		VTSK	SATH41 VTBB SATH32 VTBB	FTTH32 VTBB	
PHETCHABUN		VTPB	SATH41 VTBB SATH31 VTBB	FTTH31 VTBB	
PHRAE		VTCP	SATH31 VTBB	FTTH31 VTBB	
PRACHUAP KHIRI KHAN/Hua Hin		VTPH	SATH31 VTBB	FTTH31 VTBB	
RANONG		VTSR	SATH32 VTBB	FTTH32 VTBB	
ROI ET		VTUV	SATH33 VTBB	FTTH33 VTBB	
SAKON NAKHON/Ban Khai		VTUI	SATH33 VTBB	FTTH33 VTBB	
SONGKHLA		VTSH	SATH32 VTBB	FTTH32 VTBB	
SUKHOTHAI		VTPO	SATH31 VTBB	FTTH31 VTBB	
SURAT THANI/Samui		VTSM	SATH32 VTBB	FTTH32 VTBB	
SURIN		VTUJ	SATH41 VTBB SATH33 VTBB	FTTH33 VTBB	
TAK		VTPT		FTTH31 VTBB	
TAK/Mae Sot		VTPM	SATH41 VTBB SATH31 VTBB	FTTH31 VTBB	
TRANG		VTST	SATH32 VTBB	FTTH32 VTBB	
TRAT/Khao Sming		VTBO	SATH33 VTBB SATH31 VTBB	FTTH33 VTBB FTTH31 VTBB	
UDON THANI		VTUD	SATH33 VTBB	FTTH33 VTBB	
