



*International Civil Aviation Organization*

**SEVENTEENTH MEETING OF THE METEOROLOGY  
SUB-GROUP (MET SG/17) OF APANPIRG**

Bangkok, Thailand, 13 – 16 May 2013

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**Agenda Item 8: OPMET (TAF, METAR, SPECI) Exchanges**

8.2) availability of OPMET data

**UPDATED OPMET DATA AVAILABILITY IN VIET NAM**

(Presented by Viet Nam)

**SUMMARY**

This paper informs the meeting of updates to the OPMET data availability for international aerodromes in Viet Nam. Consequential updates to the regional guidance material will include an out-of-term proposal for amendment of APAC Regional Air Navigation Plan, Volume II, FASID Tables MET 1A and 2A, now under development, to be followed by an update of ROBEX handbook.

**1. Introduction**

1.1 In accordance with FASID Table MET 1A (meteorological service required at aerodrome) and FASID Table MET 2A (OPMET information METAR, SPECI, TAF required in SADIS and WIFS), version 25 April 2013, Viet Nam provides OPMET data for four international airports listed: HANOI/NOI BAI, HUE/PHU BAI, DA NANG and HO CHI MINH/TAN SON NHAT.

1.2 In recent years, Viet Nam has upgraded two existing domestic aerodromes to international aerodromes (at KHANH HOA/CAM RANH, located in the middle region of Viet Nam, and CAN THO, located in southern Viet Nam) and constructed a new international aerodrome (at KIEN GIANG/PHU QUOC, located near the old domestic aerodrome on Phu Quoc Island).

1.3 These three new international aerodromes in Viet Nam now operate 24 hours per day and they serve as alternate aerodromes for flights to/from Viet Nam's airspace.

## 2. Discussion

2.1 The meteorological service provided for the three new international aerodromes in Viet Nam, KHANH HOA/CAM RANH, CAN THO and KIEN GIANG/PHU QUOC, consists of METAR (issued half-hourly over the full 24 hours) and TAF (with validity 24 hours, issued four times per day and amended as required; period of validity beginning at one of the main synoptic hours: 00, 06, 12 and 18 UTC).

2.2 All OPMET data for the three new international aerodromes, KHANH HOA/CAMRANH, CAN THO and KIEN GIANG/PHU QUOC, have been available since 15 April this year only to domestic flights operations, however Viet Nam wishes to extend the availability of the meteorological service to international flight operations.

2.3 Therefore, Viet Nam initiated the necessary amendment of APAC Regional Air Navigation Plan, Volume II, FASID Table MET 1A and 2A (details provided in **Appendix A** and **Appendix B** to this paper) and ROBEX handbook (details provided in **Appendix C** to this paper), the latter of which includes proposals to create new bulletins, SAAE33 and FTAE34, containing all of the 7 international aerodromes of Viet Nam.

## 3. Action by the Meeting

3.1 The meeting is invited to note the information contained in this paper.

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**APPENDIX A**

FASID Table MET 1A: meteorological service required at aerodromes

*(Red italic text – proposal for amendment)*

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		OPMET
Name	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
<b>Viet Nam</b>							
DA NANG	VVDN	<i>RS</i>	DA NANG	VVDN	Y	T	F
HA NOI/NOI BAI	VVNB	RS	HA NOI/NOI BAI	VVNB	Y	T	F
HO CHI MINH/TAN SON NHAT	VVTS	RS	HO CHI MINH/TAN SON NHAT	VVTS	Y	X	F
HUE/PHU BAI	VVPB	RS	HUE/PHU BAI	VVPB	Y	T	F
<i>KHANH HOA/CAM RANH</i>	<i>VVCR</i>	<i>RS</i>	<i>KHANH HOA/CAM RANH</i>	<i>VVCR</i>	<i>Y</i>	<i>T</i>	<i>F</i>
<i>CAN THO</i>	<i>VVCT</i>	<i>RS</i>	<i>CAN THO</i>	<i>VVCT</i>	<i>Y</i>	<i>T</i>	<i>F</i>
<i>KIEN GIANG/PHU QUOC</i>	<i>VVPQ</i>	<i>RS</i>	<i>KIEN GIANG/PHU QUOC</i>	<i>VVPQ</i>	<i>Y</i>	<i>T</i>	<i>F</i>

**APPENDIX B**

**FASID Table MET 2A: OPMET INFORMATION (METAR, SPECI AND TAF) REQUIRED IN  
 SADIS AND WIFS**

*(RED ITALIC TEXT – PROPOSAL FOR AMENDMENT)*

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables  1	Not Listed in AOP Tables  2	ICAO Location  3	SA/SP  4	TAF  5	Availability
<b>Viet Nam</b>					
DA NANG		VVDN	Y	T	F
HA NOI/NOI BAI		VVNB	Y	T	F
HO CHI		VVTS	Y	X	F
MINH/TAN SON NHAT					
HUE/PHU BAI		VVPB	Y	T	F
<i>KHANH HOA/CAM RANH</i>		<i>VVCR</i>	<i>Y</i>	<i>T</i>	<i>F</i>
<i>CAN THO</i>		<i>VVCT</i>	<i>Y</i>	<i>T</i>	<i>F</i>
<i>KIEN GIANG/PHU QUOC</i>		<i>VVPQ</i>	<i>Y</i>	<i>T</i>	<i>F</i>

**APPENDIX C  
 ROBEX HANDBOOK**

*(Red italic text - proposal for amendment)*

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/ROBEX C.	AFTN Address	
<b>ASIAPAC REGION</b>								
Bangkok	VTBB	SAAE31	VTBS	BANGKOK/Suvarnabhumi Intl Airport	HH + 00	BANGKOK	VTBBYPYX	
			VTBD	BANGKOK/Don Mueang Intl Airport	HH + 30	BRISBANE	YBBBYPYX	
			VTCC	CHIANG MAI/Chiang Mai Intl. Airport	SINGAPORE	WSZZPYM		
			VTBU	RAYONG/U-Taphao Intl Airport	TOKYO	RJTDYPYX		
			VTSS	SONGKHLA/Hat Yai Intl Airport	Kolkata	VECCYPYX		
			VTSP	PHUKET/Phuket Intl Airport	Colombo	VCCCPYX		
			VLVT	VIENTIANE (Wattay)	Delhi	VIDPYPYX		
			VYMD	MANDALAY INTERNATIONAL	Hong Kong	VHZZYPYX		
			VYYY	YANGON INTERNATIONAL	Jakarta	WIZZMCMC		
			<i>VVTS</i>	<i>HO CHI MINH/Tan Son Nhat</i>	Kuala Lumpur	WMZZYPYR		
			<i>VVNB</i>	<i>HA NOI/Noi Bai</i>	Mumbai	VABBYPYX		
			<i>VVDN</i>	<i>DA NANG</i>	Incheon	RKSIYPYX		
			VDPP	PHNOM PENH				
		VDSR	SIEM REAP					
		<i>VVPB</i>	<i>HUE/Phu Bai</i>					
		SAAE32	....					
		<i>SAAE33</i>	<i>VVTS</i>	<i>HO CHI MINH/Tan Son Nhat</i>				
			<i>VVNB</i>	<i>HA NOI/Noi Bai</i>				
			<i>VVDN</i>	<i>DA NANG</i>				
			<i>VVPB</i>	<i>HUE/Phu Ba</i>				
	<i>VVCR</i>	<i>KHANH HOA/Cam Ranh</i>						
	<i>VVCT</i>	<i>CAN THO</i>						
	<i>VVPQ</i>	<i>KIEN GIANG/Phu Quoc</i>						

Table B : ROBEX Collection and Dissemination of Long TAF (FT) Bulletins  
*(Red italic text - proposal for amendment)*

1		2						3			
ROBEX Centre		TAF Bulletin						Dissemination			
Name	CCCC	Bul No.	CCCC	Aerodrome	Filing time	Start of validity	TAF validity	RODB/ROBEX Centre	AFTN address		
Bangkok	VTBB	FTAE31	....								
		FTAE32	VDP	PHNOM PENH	0500	0600	18 (24)	<b>BANGKOK</b>	VTBBYPYX		
			VDSR	SIEM REAP	1100	1200	18 (24)	BRISBANE	YBBBYPYX		
			<i>VVTS</i>	<i>HO CHI MINH/Tan Son Nhat</i>	1700	1800	<i>30</i>	SINGAPORE	WSZZYPYX		
			<i>VVNB</i>	<i>HA NOI/Noi bai</i>	2300	0000	<i>24</i>	TOKYO	RJTDYPYX		
			<i>VVDN</i>	<i>DA NANG</i>			<i>24</i>	Bahrain	OBZZYPYX		
			VYYY	YANGON INTERNATIONAL			24	Beijing	ZBBBYPYX		
			VYMD	MANDALAY INTERNATIONAL*			24	Beirut	OLLLYPYX		
			VGHS	HAZRAT SHAHJALAL INTERNATIONAL AIRPORT			30	Hong Kong	VHZZYPYX		
			<i>VVPB</i>	<i>HUE/Phu Bai</i>			<i>24</i>	Jeddah	OEJDYPYX		
				*Issued 0500/1100				Karachi	OPZZYPYX		
							Kuala Lumpur	WMZZYPYR			
							Mumbai	VABBYPYX			
							Incheon	RKSIYPYX			
							Tehran	OIIYPYX			
							Wellington	NZZZYPYA			
				FTAE33	....						
				<i>FTAE34</i>	<i>VVTS</i>	<i>HO CHI MINH/Tan Son Nhat</i>	<i>0500</i>	<i>0600</i>	<i>30</i>	<i><b>BANGKOK</b></i>	<i>VTBBYPYX</i>
			<i>VVNB</i>		<i>HA NOI/Noi bai</i>	<i>1100</i>	<i>1200</i>	<i>24</i>	<i>BRISBANE</i>	<i>YBBBYPYX</i>	
			<i>VVDN</i>		<i>DA NANG</i>	<i>1700</i>	<i>1800</i>	<i>24</i>	<i>SINGAPORE</i>	<i>WSZZYPYX</i>	
	<i>VVPB</i>	<i>HUE/Phu Bai</i>	<i>2300</i>		<i>0000</i>	<i>24</i>	<i>TOKYO</i>	<i>RJTDYPYX</i>			
	<i>VVCR</i>	<i>KHANH HOA/Cam Ranh</i>				<i>24</i>	<i>Bahrain</i>	<i>OBZZYPYX</i>			
	<i>VVCT</i>	<i>CAN THO</i>				<i>24</i>	<i>Beijing</i>	<i>ZBBBYPYX</i>			
	<i>VVPQ</i>	<i>KIEN GIANG/Phu Quoc</i>				<i>24</i>	<i>Beirut</i>	<i>OLLLYPYX</i>			
							<i>Hong Kong</i>	<i>VHZZYPYX</i>			
						<i>Jeddah</i>	<i>OEJDYPYX</i>				
						<i>Karachi</i>	<i>OPZZYPYX</i>				
						<i>Kuala Lumpur</i>	<i>WMZZYPYR</i>				
						<i>Mumbai</i>	<i>VABBYPYX</i>				
						<i>Incheon</i>	<i>RKSIYPYX</i>				
						<i>Tehran</i>	<i>OIIYPYX</i>				
						<i>Wellington</i>	<i>NZZZYPYA</i>				

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

*(Red italic text – proposal for amendment)*

Name of the aerodrome	Use	ICAO loc.ind.	ROBEX SA bulletin	ROBEX FT bulletin	RODB
1	2	3	4	5	6
<b>VIET NAM</b> DA NANG HA NOI/Noi Bai HUE/Phu Bai HO CHI MINH/Tan Son Nhat <i>KHANH HOA/Cam Ranh</i> <i>CAN THO</i> <i>KIEN GIANG/Phu Quoc</i>	<i>RS</i> RS RS RS <i>RS</i> <i>RS</i> <i>RS</i>	VVDN VVNB VVPB VVTS <i>VVCR</i> <i>VVCT</i> <i>VVPQ</i>	SAAE33 VTBB SAAE33 VTBB SAAE33 VTBB SAAE33 VTBB <i>SAAE33 VTBB</i> <i>SAAE33 VTBB</i> <i>SAAE33 VTBB</i>	<i>FTAE34 VTBB</i> <i>FTAE34 VTBB</i> <i>FTAE34 VTBB</i> <i>FTAE34 VTBB</i> <i>FTAE34 VTBB</i> <i>FTAE34 VTBB</i> <i>FTAE34 VTBB</i>	Bangkok