

*International Civil Aviation Organization***WORKING PAPER**

# ICAO

**Asia and Pacific (APAC)  
Twenty-first Meeting of the Meteorological Information  
Exchange Working Group (MET/IE WG/21)**

Bangkok, Thailand, 27 to 29 March 2023

**Agenda Item 6:           Guidance material related to meteorological information exchange**

**UPDATES TO ASIA PACIFIC ROBEX HANDBOOK**

(Presented by Hong Kong China)

**SUMMARY**

This paper presents the proposal for members to update the Asia Pacific ROBEX Handbook with the changes in bulletins dissemination by Hong Kong China.

**1. INTRODUCTION**

1.1 The Regional OPMET Bulletins Exchange (ROBEX) enables the effective exchange of OPMET information to meet operational requirements of stakeholders.

1.2 Arising from the operational changes in dissemination of TAF and METAR bulletins by Hong Kong Regional OPMET Centre (ROC), relevant sections in the Asia Pacific ROBEX Handbook are proposed to be updated.

**2. DISCUSSION**

**Inclusion of aerodromes in Hong Kong METAR/SPECI and TAF bulletin**

2.1 With effect from 23 February 2023, Hong Kong ROC has included two aerodromes, namely the **Pampanga Clark International Airport (RPLC) and the Puerto Princesa International Airport (RPVP) in Philippines**, in the Hong Kong METAR/SPECI and TAF bulletin. In addition, the availability period of METAR and TAF for aerodromes in Philippines are reviewed and updated to meet operational requirements. The proposed update to Asia Pacific ROBEX Handbook is given in Appendix A and Appendix B.

**Provision of 3-hourly TAF for Hong Kong International Airport**

2.2 Since 8 September 2022, the Airport Meteorological Office (AMO) of Hong Kong Observatory has enhanced the frequency of TAF issuance (TAC and IWXXM) from 6 hourly intervals to 3 hourly intervals for the Hong Kong international Airport (VHHH). With the enhanced TAF issuance frequency, 4 additional schedules (0200, 0800, 1400 and 2000) are issued by AMO on a daily basis.

2.3 To facilitate the effective exchange of TAF bulletins in ROBEX, Hong Kong ROC has reorganized its TAF bulletin (FTHK31) by grouping aerodromes with the same TAF issuance frequency and/or same validity period into three series types viz FTHK31, FTHK32 and FTHK33. The table below depicts the aerodromes in Hong Kong TAF bulletins. The proposed update to Asia Pacific ROBEX Handbook is given in Appendix B.

<b>FTHK31</b> (3-hourly and 30 hours validity)	<b>FTHK32</b> (6-hourly and 30 hours validity)	<b>FTHK33</b> (6-hourly and 24 hours validity)
HONG KONG/Intl (VHHH)	<ul style="list-style-type: none"> <li>• MACAO/Intl (VMMC)</li> <li>• TAIBEI CITY/Taibe Intl (RCTP)</li> <li>• GAOXIONG (RCKH)</li> <li>• MANILA/Ninoy Aquino Intl (RPLL)</li> <li>• LAPU-LAPU/Mactan Cebu (RPVM)</li> <li>• PAMPANGA/Clark Intl (RPLC)</li> </ul>	<ul style="list-style-type: none"> <li>• TAIBEI/Songshan (RCSS)</li> <li>• TAICHUNG/Qingquangang (RCMQ)</li> <li>• TAINAN (RCNN)</li> <li>• TAIDONG/Fengnian (RCFN)</li> <li>• DAVAO/Francisco Bangoy Intl (RPMO)</li> <li>• SUBIC BAY/Intl (RPLB)</li> <li>• LAOAG/Intl (RPLI)</li> <li>• ZAMBOANGA/Intl (RPMZ)</li> <li>• PUERTO PRINCESA/Intl (RPVP)</li> </ul>

**3. ACTION BY THE MEETING**

3.1 The Meeting is invited to:

- a) note the information contained in this paper; and
- b) update the Asia Pacific ROBEX Handbook in:
  - i. Appendix A, Table A: Collection and Dissemination of METAR (SA) Bulletins for Hong Kong China in accordance with the information and Appendix A provided in this WP.
  - ii. Appendix B, Table B: Collection and Dissemination of TAF (FT) Bulletins for Hong Kong China in accordance with the information and Appendix B provided in this WP.

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**APPENDIX A**

**Proposed update to Appendix A, Table A: Collection and Dissemination of METAR (SA) Bulletins for Hong Kong China (indicated in grey or ~~strikethrough~~)**

<b>Table A : Collection and Dissemination of METAR (SA) Bulletins</b>								
1		2			3	4	5	
ROC		METAR Bulletin			Bul. Time	Available	DISSEMINATION TO	
Name	CCCC	BUL No.	CCCC	Aerodrome			RODB/ROC	AFTN Address
Hong Kong	VHHH	SAHK31	VHHH	<del>HONG KONG/Intl</del>	H+00 H+30	2200-1200	BANGKOK	VTBBYPYX
			RCTP	<del>TAIBEI CITY/Taipei Intl</del>			BRISBANE	YBBBYPYX
			RCKH	GAOXIONG	NADI		NFFNYPYX	
			RCSS	TAIBEI/Songshan	SINGAPORE		WSZZYPYX	
			<del>RCMQ</del>	<del>TAICHUNG/Qingquangang</del>	<b>TOKYO</b>		RJTDYPYX	
			<del>RCNN</del>	<del>TAINAN</del>	Beijing		ZBBBYPYX	
			<del>RCFN</del>	<del>TAIDONG/Fengnian</del>	Kuala Lumpur		WMZZYPYR	
			VMMC	<del>MACAO/Intl</del>	Incheon		RKSIYPYX	
			RPLL	MANILA/Ninoy Aquino Intl	Wellington		NZZZYPYX	
			RPVM	LAPU-LAPU/Mactan Cebu				
			RPMD	DAVAO/Francisco Bangoy Intl			2200-4000	
			<del>RPLB</del>	<del>SUBIC BAY/Intl</del>				
			RPLI	<del>LAOAG/Intl</del>			2100-1200, 1500, 1800	
			<del>RPMZ</del>	<del>ZAMBOANGA/Intl</del>			2100-1200, 1500, 1800	
RPLC	PAMPANGA/Clark Intl							
RPVP	PUERTO PRINCESA/Intl		2100-1200, 1500, 1800					

Notes: Aerodromes not listed in Table AOP 1 are indicated in italics.

**APPENDIX B**

Proposed update to Appendix B, Table B: Collection and Dissemination of TAF (FT) Bulletins for Hong Kong China (indicated in grey or ~~strikethrough~~)

Table B : Collection and Dissemination of TAF (FT) Bulletins										
1 ROC		2 T						3 Dissemination		
Name	CCCC		CCCC	Aerodrome	Filing time	Start of Validity	TAF validity	RODB/ROC	AFTN address	
Hong Kong	VHHH	FTHK31	VHHH	HONG KONG/Intl	0235	0300	30	BANGKOK	VTBBYPYX	
			RCTP	TAIBEI CITY/Taibei Intl Ap	0535	0600	30	BRISBANE	YBBYPYX	
			RCKH	GAOXIONG	0835	0900	30	NADI	NFFNYPYX	
			RCSS	TAIBEI/Songshan	1135	1200	24	SINGAPORE	WSZZYPYX	
			RCMQ	TAICHUNG/Qingquangang	1435	1500	24	<b>TOKYO</b>	RJTDYPYX	
			RCNN	TAINAN	1735	1800	24	Beijing	ZBBYPYX	
			RCFN	TAIDONG/Fengnian	2035	2100	24	Mumbai	VABYPYX	
			VMMC	MACAOU/Intl Airport	2335	0000	30	Incheon	RKSIYPYX	
			RPLL	MANILA/Ninoy Aquino Intl, Pasay			30	Wellington	NZZYPYA	
			RPVM	LAPU-LAPU/Mactan-Cebu			30	London	EGZMASI	
			RPMD	DAVAO/Francisco Bangoy Intl, Davao-Del-Sur			24	Washington	KWBCYMYX	
			RPLB	SUBIC BAY, Subic Bay Intl, Olongapo City, Zambales			24			
			RPMZ	ZAMBOANGA, Zamboanga Intl, Zamboanga-Del Norte			24			
			RPLI	LAOAG, Laoag Intl, Ilocos Norte			24			
			FTHK32	VMMC	MACAO/Intl	0535	0600	30		
			RCTP	TAIBEI CITY/Taibei Intl	1135	1200	30			
			RCKH	GAOXIONG	1735	1800	30			
			RPLL	MANILA/Ninoy Aquino Intl	2335	0000	30			
		RPVM	LAPU-LAPU/Mactan Cebu			30				
		RPLC	PAMPANGA/Clark Intl			30				
		FTHK33	RCSS	TAIBEI/Songshan	0535	0600	24			
		RCMQ	TAICHUNG/Qingquangang	1135	1200	24				
		RCNN	TAINAN	1735	1800	24				
		RCFN	TAIDONG/Fengnian	2335	0000	24				
		RPMD	DAVAO/Francisco Bangoy Intl			24				
		RPLB	SUBIC BAY/Intl			24				
		RPLI	LAOAG/Intl			24				
		RPMZ	ZAMBOANGA/Intl			24				
		RPVP	PUERTO PRINCESA/Intl			24				

Notes: Aerodromes not listed in Table AOP 1 are indicated in italics.