

International Civil Aviation Organization

ICAO

FLIMSY (Flimsy/02)

ICAO Asia and Pacific (APAC)

Twenty-third Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/23)

Bangkok, Thailand, 25 to 28 March 2025

Agenda Item 6.1: Readiness of AMHS to support IWXXM**UPDATE ON ONLINE REGISTER OF APAC IWXXM EXCHANGE STATUS**

(Presented by Hong Kong, China)

SUMMARY

This paper presents updates on the implementation status of IWXXM exchange as provided in the Online Register of APAC IWXXM Exchange Status.

1. INTRODUCTION

1.1 The *Online Register of APAC IWXXM Exchange Status*¹ (IWXXM online register) was developed to allow Regional OPMET Centres (ROCs) to share timely updates of the implementation status of IWXXM exchange, including their readiness to receive IWXXM, supported AMHS capability and the status in disseminating IWXXM reports to other ROCs or National OPMET Centres (NOCs). The register also reflects the progress of inter-regional exchange of IWXXM OPMET data made by Inter-regional OPMET Gateways (IROGs).

1.2 The link to the online register has been included in Section 2.4.4 in the APAC ROBEX Handbook and ICAO APAC eDocument webpage (<https://www.icao.int/APAC/Pages/eDocs.aspx> > MET).

2. DISCUSSION

2.1 The IWXXM online register, dated March 18, 2025 (see APPENDIX), reflects the following updates since March 2024:

Active IWXXM message dissemination

- ROC Kuala Lumpur has been disseminating IWXXM messages to ROC Hong Kong.
- ROC Wellington is disseminating IWXXM messages to RODB Tokyo.

Planned IWXXM message exchange

- For NOC Ha Noi, IWXXM message exchange with ROC Bangkok scheduled for Q3 2025.
- For ROC Jakarta, implementation of IWXXM message exchange is dependent on an AMHS system upgrade, tentatively around 2026.

¹ Link: <https://docs.google.com/spreadsheets/d/1WEcGfMRZq2dgHsfdpFhiefJEcA8OeMhfbCJHTqA7NX0/edit#gid=0>

2.2 Currently, eight ROCs in the APAC region are capable of routinely receiving and disseminating IWXXM messages. However, several ROCs or NOCs of States/Administrations are not yet ready to receive IWXXM messages via AMHS. Some States/Administrations had the capability to generate IWXXM MET reports, but lack the necessary AMHS with FTBP² and IHE³ for at their NOCs to disseminate them internationally to ROCs.

2.3 To identify new IWXXM exchange opportunities and promote Region-wide implementation in APAC, States/Administrations are encouraged to provide updates on their IWXXM exchange implementation status in the online register.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the progress in implementation of IWXXM exchange via AMHS in the Region;
- b) provide updates, if any, on the IWXXM exchange implementation status in the online register; and
- c) provide suggestions for enhancing the online register and its updating mechanism.

² File Transfer Body Part

³ Interpersonal Message (IPM) Heading Extensions

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Appendix to Flimsy/02

Online Register of APAC IWXXM Exchange Status

Updated: 18 March 2025



ROC	ROC ready to receive IWXXM	ROC address to receive IWXXM	AMHS message size limit	AMHS supporting FTBP+IHE*	Disseminate IWXXM to ROCs	Disseminate IWXXM to NOCs	NOC	IWXXM generated	NOC ready to receive IWXXM	NOC address to receive IWXXM	Remarks	
Bangkok	VTBB	YES	/C=XX/A=ICAO/ P=THAILAND/ O=VTBB/ OU1=VTBB/ CN=VTBBYPYL	4 MB	YES	RJTD, VHHH, WSSS, YBBB, ZBBB	YES	Bangkok	VTBB	YES	YES	VTBBYMYX VDPYMYC
								Phnom Penh	VDP	YES	YES	
								Vientiane	VLVT		NO	
							Ha Noi	VVNB	YES	NO	Translation service by VTBB. IWXXM exchange with ROC Bangkok scheduled for Q3 2025.	
							Yangon	VYYY		NO		
Beijing	ZBBB	YES	/C=XX/A=ICAO/ P=CHINA/ O=HQ/ OU1=ZBBB/ CN=ZBBBYPYL	4 MB	YES	RJTD, VHHH, WSSS, YBBB, VTBB		Beijing	ZBBB	YES		
								Ulaanbaatar	ZMUB	PARTIAL		
Brisbane	YBBN	YES	/C=XX/A=ICAO/ P=AUSTRALIA/ O=YBBN/ OU1=YBBB/ CN=YBBBYPYL	4 MB	YES	NZKL, RJTD, VHHH, VTBB, WMKK, WSSS, ZBBB	No recipients ready	Brisbane	YBBN	YES		
								Port Moresby	AYPY	YES	NO	Translation service by NZKL
								Nauru	ANYN	YES	NO	Translation service by NZKL
								Honlara	AGGH	YES	NO	Translation service by NZKL
							Dili	WPDL	NO	NO		
Colombo	VCCC	NO					Colombo	VCCC				
							Male	VRMM				
Delhi	VIDP	NO					Delhi	VIDP				
Kolkata	VECC	NO					Kolkata	VECC				
							Dhaka	VGZR				
							Paro	VQPR				
							Kathmandu	VNKT				
Mumbai	VABB	NO					Mumbai	VABB				
Hong Kong	VHHH	YES	/C=XX/A=ICAO/ P=HONGKONG/ O=HKCAD/ OU1=VHHH/ CN=VHHHPYL	4 MB	YES	NZKL, RJTD, VTBB, WMKK, WSSS, YBBB, ZBBB	YES	Hong Kong	VHHH	YES		
								Taipei City	RCTP	YES	YES	RCTPIWXM
								Manila	RPLL	YES	NO	Translation service by VHHH
								Macao	VMMC	YES	NO	Translation service by VHHH
Incheon	RKSI	NO					Incheon	RKSI	YES		Available through Open-API	
Jakarta	WIII	NO					Jakarta	WIII	YES		Pending AMHS system upgrade tentatively around 2026	
Karachi	OPKC	NO					Karachi	OPKC				
Kuala Lumpur	WMKK	YES	/C=XX/A=ICAO/ P=MALAYSIA/ O=WM/ OU1=WMKK/ CN=WMKKYMXM	4 MB	YES	VHHH, WSSS		Kuala Lumpur	WMKK	YES		
								Brunei	WBSB	NO		
Nadi	NFFN	NO				NZKL, VHHH, VTBB, WSSS, YBBB		Nadi	NFFN	YES	NO	Translation service by NZKL TCA in IWXXM available (TCAC Nadi)
								Cook Islands	NCRG	YES	NO	Translation service by NZKL
								Tonga	NFTF	YES	NO	Translation service by NZKL
								Tuvalu	NGFU	YES	NO	Translation service by NZKL
								Kiribati	NGTA	YES	NO	Translation service by NZKL
								Niue	NIUE	YES	NO	Translation service by NZKL
								Samoa	NSFA	YES	NO	Translation service by NZKL
								Vanuatu	NVVV	YES	NO	Translation service by NZKL
								New Caledonia	NWWW	YES	NO	Translation service by NZKL
								French Polynesia	NTAA	YES	NO	Translation service by NZKL
American Samoa	NSTU	NO	NO	IWXXM by US NWS in the FT/SA/SPUS25 KBWC bulletins								
Singapore	WSSS	YES	/C=XX/A=ICAO/ P=SINGAPORE/ O=CAASG/ OU1=WSSS/ CN=WSSSPYL	4 MB	YES	NZKL, RJTD, VHHH, VTBB, WMKK, YBBB, ZBBB	---	Singapore	WSSS	YES		
Tokyo	RJTD	YES	/C=XX/A=ICAO/ P=RJ/ O=AFTN/ OU1=RJTDZYA/	2 MB	YES	NZKL, WSSS, ZBBB		Tokyo	RJTD	YES	TC Advisory in IWXXM available via TCAC Tokyo website	
Washington	KWBC	NO	/C=XX/A=ICAO/ P=K/ O=AFTN/ OU1=KWBCZYZ/	4 MB	YES		No recipients ready	Washington	KWBC	June 2023	New RODB KWBC in Nov 2021. Open API will be available	
Wellington	NZKL	YES	/C=XX/A=ICAO/ P=NZ/ O=NZCA/ OU1=NZKL/ CN=NZKLYMYL/	6 MB	YES	RJTD, VHHH, VTBB, WSSS, YBBB		Wellington	NZKL	YES		

Inter-regional exchange	IROG in APAC	IROG address to receive IWXXM	IROG in another Region	IROG address to receive IWXXM	Active dissemination to another Region	Active reception from another Region	Remarks	
APAC - EUR	Singapore	WSSS	London	EGGG	/C=XX/ADMD=ICAO/ PRMD=EG/ O=AFTN/ OU1=EGZXSIN/	YES	YES	Bandwidth between the exchange services was increased to 2Mbps. Backup procedures for the alternate path EGGG - LSSS (Geneve) - LIII (Rome) - VTBB (Bangkok) - WSSS are in place. Secondary backup procedures being explored for alternate path EGGG - KATL (Atlanta) - KSLC (Salt Lake City) - YBBB (Brisbane) - WSSS
APAC - NAM	Tokyo	RJTD	Washington	KWBC	/C=XX/A=ICAO/ P=K/ O=AFTN/ OU1=KWBCZYZ/	NO	NO	Test of IWXXM exchange between IROG Tokyo and IROG Washington will be conducted in the near future.
APAC - AFI	Bangkok	VTBB	Pretoria	FAPR	/C=XX/A=ICAO/ P=FA/ O=AFTN/ OU1=FAPRYMYX/	NO	NO	No POC available / known at IROG Pretoria. Extended AMHS with FTBP in place via YBBN - FAOR. FAOR to FAPR (COMC to IROG) was not AMHS capable in 2020, nothing heard since
	Brisbane	YBBB						
APAC - SAM	Brisbane	YBBB	Brasilia	SBBR		NO	NO	No POC available / known at IROG Brasilia. Extended AMHS with FTBP in place via YBBN - KSLC - KATL - SBBR. Unknown what capability from COMC SBBR to IROG SBBR is ...
APAC - MID	Bangkok	VTBB	Jeddah	OEJD	/C=XX/A=ICAO/ P=SAUDI/ O=OEJD/ OU1=OEJD/ CN=OEJDMYX/	NO	NO	Test of IWXXM exchange conducted since May 2022 but not successful due to COMC OOMS still AFTN, so Bangkok is awaiting COMC COMS migrate to Extended AMHS with FTBP connection.

* AMHS profile for IWXXM exchange is specified in the Appendix A of "Guidelines for the Implementation of OPMET Data Exchange using IWXXM"

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