



ICAO

International Civil Aviation Organization**INFORMATION PAPER****Asia and Pacific (APAC)****Twentieth Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/20)**

Online, 28 to 30 March 2022

Agenda Item 4: Meteorological information exchange in digital form**UPDATE TO ONLINE REGISTER OF APAC IWXXM EXCHANGE STATUS**

(Presented by Australia and Hong Kong China)

SUMMARY

This paper presents updates on the implementation status of IWXXM exchange as provided in the online register.

1. INTRODUCTION

1.1 The *Online Register of APAC IWXXM Exchange Status*¹ 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).

1.2 Considering that the provision of timely updates in the register required the attention of States/Administrations, including both the MET and CNS communities, APANPIRG/32 adopted the following Conclusion based on Draft Conclusion MET SG/25-03:

Conclusion APANPIRG/32/11: Updating Online Register of IWXXM Exchange Status	
That, States/Administrations provide timely updates to the Online Register of IWXXM Exchange Status on the latest status of AMHS capability for IWXXM exchange among ROCs and NOCs, and the availability of IWXXM MET reports.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To inform users and Regional OPMET Bulletin Exchange Scheme participants of each States' ability to generate and receive IWXXM over the required communication links and facilitate the Region-wide implementation of IWXXM exchange.	
When: Now	Status: Adopted by PIRG

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

Who: ☐ Sub groups ☒ APAC States ☐ ICAO APAC RO ☐ ICAO HQ ☐ Other: ROs

2. DISCUSSION

2.1 Figure 1 shows the online register of IWXXM exchange status updated in March 2022. China, Hong Kong China, Japan, Singapore and Thailand provided status updates since October 2021. There are eight ROCs currently capable of routinely receiving and disseminating IWXXM messages in the APAC Region.

Online Register of APAC IWXXM Exchange Status

Updated: 24 March 2022



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	VTBBYPYL	6 KB	YES	VHHH, WSSS, YBBB, ZBBB	YES	Bangkok	VTBB	YES	YES	VTBBYMYX	
								Phnom Penh	VDPP		NO		
								Vientiane	VLVT		NO		
								Ha Noi	VVNB		NO		Translation service by VTBB
								Yangon	VYYY		NO		
Beijing	ZBBB	YES	ZBBBYPYL	4 MB	YES	VHHH		Beijing	ZBBB	YES			
								Ulaanbaatar	ZMUB	PARTIAL			
Brisbane	YBBN	YES	YBBBYPYL	4 MB	YES	NZKL, VHHH, VTBB, WMKK, WSSS	No recipients ready	Brisbane	YBBN	YES			
								Port Moresby	AYPY	YES	NO		Translation service by NZKL
								Nauru	ANYN	YES	NO		Translation service by NZKL
								Honiara	AGGH	YES	NO		Translation service by NZKL
								Dili	WPDL	NO	NO		
Colombo	VCCC	NO						Colombo	VCCC				
Delhi	VIDP	NO						Male	VRMM				
								Delhi	VIDP				
Kolkata	VECC	NO						Kolkata	VECC				
								Dhaka	VGZR				
								Paro	VQPR				
								Kathmandu	VNKT				
Mumbai	VABB	NO						Mumbai	VABB				
Hong Kong	VHHH	YES	VHHHYPYL	4 MB	YES	NZKL, RJTD, VTBB, WMKK, WSSS, YBBB, ZBBB	YES	Hong Kong	VHHH	YES			
								Taipei City	RCTP	YES	YES	RCAAIWXM	
								Manila	RPLL	YES	NO		Translation service by VHHH
								Macao	VMMC	YES	NO		Translation service by VHHH
Incheon	RKSI	NO			Q4 2022			Incheon	RKSI	YES			Available through Open-API
Jakarta	WIII	NO						Jakarta	WIII	YES			
Karachi	OPKC	NO						Karachi	OPKC				
Kuala Lumpur	WMKK	YES	WMKKYMXM	4 MB	YES	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		IWXXM to be sent to NZKL over GTS via Melbourne for onward distribution
								French Polynesia	NTAA	NO	NO		
Singapore	WSSS	YES	WSSSYPYL	4 MB	YES	NZKL, RJTD, VHHH, VTBB, WMKK, YBBB	---	American Samoa	NSTU	NO	NO		IWXXM by US NWS in the FT/SA/SPUS25 KBWC bulletins
								Singapore	WSSS	YES			
Tokyo	RJTD	YES	RJTDYZYA	2 MB	YES	WSSS		Tokyo	RJTD	YES			TC Advisory in IWXXM available via TCAC Tokyo website
Washington	KWBC	TESTING (Nov 2021 - Feb 2022)	KWBCYZYZ	4 MB	YES			Washington	KWBC	Feb 2022			New RODB KWBC in Nov 2021. Open API will be available
Wellington	NZKL	YES	NZKLYMYL	6 MB	YES	VHHH, VTBB, WSSS, YBBB		Wellington	NZKL	YES			

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

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Figure 1: The updated online register for IWXXM exchange over AMHS in the APAC Region

2.2 The register indicated that some States/Administrations had the capability to generate IWXXM MET reports, but still not able to disseminate them internationally to ROCs as AMHS with FTPB and IHE is not yet implemented. The meeting might like to consider if any further action is required to promote early implementation of AMHS with FTPB and IHE.

2.3 States/Administrations are encouraged to provide further updates, if any, on the implementation status of IWXXM exchange in the online register for identifying new IWXXM exchange opportunities among States and promoting the Region-wide implementation of IWXXM exchange in APAC as far as possible.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.