



ICAO

*International Civil Aviation Organization*

**WORKING 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 6: Guidance material related to meteorological information exchange**

**UPDATES TO ROBEX HANDBOOK**

(Presented by Indonesia)

**SUMMARY**

This paper presents the proposal to update the ROBEX Handbook in accordance with APAC ANP Volume I and Volume II.

**1. INTRODUCTION**

- 1.1 The Regional OPMET Bulletins Exchange (ROBEX) Handbook provides guidance to exchange OPMET data including METAR bulletins through the ROBEX scheme.
- 1.2 Routine METAR reports should be prepared for the international aerodromes listed in the *eANP*, Volume I, Table AOP I-1, and in Volume II, Table II, Table MET II-2.
- 1.3 METAR from all international aerodromes (referred to as AOP aerodromes) listed in the tables referred to in 1.2, should be included in the regular ROBEX exchange.
- 1.4 This paper proposes an update of the requirement of the Jakarta ROC METAR Bulletin which was attached on Table A: Collection and Dissemination of METAR (SA) Bulletin Handbook in accordance with APAC ANP Volume I and Volume II and an update of the ROBEX Focal Point for Indonesia.

**2. DISCUSSION**

Amendment Proposal of Table A: Collection and Dissemination of METAR (SA) Bulletin

- 2.1 There are differences between airport names and location indicators in the ROBEX Handbook Fourteenth Edition (Nov. 2020) with ANP APAC Documents AOP Table I-1 and MET Table II-2. It is necessary to make adjustments that refer to the document.
- 2.2 Based on WP/19 MET/SG/25: “Suggestion on the Update of ICAO APAC ROBEX Handbook”, China proposed request OPMET Bulletin from Thailand, Australia, Sri Lanka,

Indonesia, Malaysia and India to ICAO APAC MET/IE WG/17 on 2019. In this paper, Indonesia proposes adding ROC Beijing (ZBBBYPYX) to the list of METAR Bulletins.

- 2.3 Existence of new airports that serve international flight on a regular basis, such as Yogyakarta International Airport and Sultan Iskandar Muda Airport as well as alternatives such as Banyuwangi Airport.
- 2.4 Bulletin time and bulletin availability adjustments based on airport operating hours.
- 2.5 Elimination of Timika/Mozes Kilangin Airport and Radin Inten II Airport, because it does not serve international flights and is not registered in the Indonesia Aeronautical Information Publication (AIP) and APAC ANP Document Table AOP I-1 and MET II-2 as an International Airport.

Amendment Proposal of ROBEX Focal Point

- 2.6 Propose a change in ROBEX Focal Point in the ROBEX Handbook from Indonesia, because the person concerned has retired. The proposed changes are contained in Appendix **B** in this paper.

**3. ACTION BY THE MEETING**

- 3.1 The meeting is invited to:
  - i. Note the information contained in the paper; and
  - ii. Request ICAO Secretariat to review the proposed updates to the ROBEX Handbook.

-----

**APPENDIX A. Amendment Proposal of Table A: Collection and Dissemination of METAR (SA) Bulletin**

**Editorial Note:** Amendments are arranged to show deleted text using ~~strikeout (text to be deleted)~~, and added text with grey shading (text to be inserted)

1		2			3	4	5	
ROC		METAR Bulletin			Bul. Time	Available	Dissemination to	
Name	CCCC	Bul No.	CCCC	Aerodrome			RODB/ROC	AFTN Address
Jakarta	WIII	SAID31	WAAA	<del>UJUNG PANDANG</del> /SULTAN HASANUDDIN	HH + 00 HH + 30	<del>2200-1700</del>	BANGKOK	VTBBYPYX
			WABB	<del>BLAK</del> /FRANS KAISIEPO			BRISBANE	YBBBYPYX
			WIHH	JAKARTA/HALIM PERDANAKUSUMA			SINGAPORE	WSZZYPYM
			WIII	JAKARTA/SOEKARNO HATTA (COMM CENTER)			TOKYO	RJTDYPYX
			WIDD	<del>BATAM</del> /HANG NADIM			Hong Kong	VHZZYPYX
			WIMM	<del>MEDAN</del> /POLONIA KUALANAMU			Kuala Lumpur	WMZZYPYR
			WADD	<del>BALI</del> /I GUSTI NGURAH RAI			Wellington	NZZZYPYX
			WARR	<del>SURABAYA</del> /JUANDA			Beijing	ZBBBYPYX
			WAHI	YOGYAKARTA INTERNATIONAL				
		SAID32	WAMM	<del>MANADO</del> /SAM RATULANGI	HH + 00 HH + 30	<del>2200-0500</del> 0000-1200	BANGKOK	VTBBYPYX
			WIBB	<del>PEKANBARU</del> /SULTAN SYARIF KASIM II			BRISBANE	YBBBYPYX
			WIDN	<del>TANJUNG PINANG</del> /KIANG RAJA HAJI			SINGAPORE	WSZZYPYM
			WIEE	FISABILILLAH <del>PANDANG</del> /MINANGKABAU INTERNATIONAL			TOKYO	RJTDYPYX
			WIOO	<del>PONTIANAK</del> /SUPADIO			Hong Kong	VHZZYPYX
			WIPP	<del>PALEMBANG</del> /SULTAN MAHMUD BADARUDDIN II			Kuala Lumpur	WMZZYPYR
			WAOO	<del>BANJARMASIN</del> /SYAMSUDDIN NOOR			Wellington	NZZZYPYX
			WALL	<del>BALIKPAPAN</del> /SULTAN AJI MUHAMMAD SULAIMAN SEPINGGAN			Beijing	ZBBBYPYX
			WADL	<del>PRAYA</del> /LOMBOK INTERNATIONAL ZAINUDDIN ABDUL MADJID INTERNATIONAL				
WITT	SULTAN ISKANDAR MUDA							

		SAID33	WAYY	TIMIKA/MOSES KILANGIN	HH + 00	2100-0800	BANGKOK	VTBBYPYX
			WAJJ	JAYAPURA/SENTANI	HH + 30		BRISBANE	YBBBYPYX
			WAKK	MERAUKE/MOPAH		2200-0500	SINGAPORE	WSZZYPYM
			WAPP	AMBON/PATTIMURA			TOKYO	RJTDYPYX
			WAHS	SEMARANG/AHMAD YANI		2300-1700	Hong Kong	VHZZYPYX
			WILL	BANDAR LAMPUNG/RADIN INTEN II			Kuala Lumpur	WMZZYPYR
			WATT	KUPANG/EL TARI			Wellington	NZZZYPYX
			WAQQ	TARAKAN/JUWATA		2000-1300	Beijing	ZBBBYPYX
			WADY	BANYUWANGI				

**APPENDIX B. Amendment Proposal of Appendix I: ROBEX Focal Point**

**Editorial Note:** Amendments are arranged to show deleted text using ~~text to be deleted~~, and added text with grey shading (text to be inserted)

State/administration	Namae/Designation and address	Tel/Fax/email
Indonesia	<del>Mrs. Herlina</del> <del>Head of Sub Division for</del> <del>Dissemination of Aeronautical</del> <del>Information Indonesian</del> Mr. Fani Setyawan Public Meteorological Operations Management Officer Agency for Meteorology, Climatology and Geophysics. Jalan Angkasa I No. 2 Kemayoran, Jakarta, Indonesia - 10720	Tel : +62 (21) 4246321 Fax : +62 (21) 6546315 Email: <del>herlina@bmg.go.id;</del> Herlina_270963@yahoo.com fani.setyawan@bmg.go.id
Indonesia	Mrs. Ni Ketut Feny P Staff of the Sub Division for Dissemination of Aeronautical Information Indonesian Agency for Meteorology Climatology and Geophysics. Jalan Angkasa I No. 2 Kemayoran, Jakarta, Indonesia - 10720	Tel : +62 (21) 4246321 Fax : +62 (21) 6546315 Email: fenypermatasari@bmg.go.id; fenypermatasari@gmail.com

-----