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WORKING PAPER

Asia and Pacific (APAC)

**Twenty-second Meeting of the Meteorological
Information Exchange Working Group (MET/IE WG/22)**

Bangkok, Thailand, 18 to 21 March 2024

Agenda Item 3: Quality control, monitoring and management of meteorological information exchange

REVIEW THE PERFORMANCE INDICES (PIs) USED IN APAC OPMET MONITORING

(Presented by Thailand and PI Ad Hoc group)

SUMMARY

This paper presents updates to review the performance indices (PIs) used in APAC OPMET monitoring.

1. INTRODUCTION

1.1 The OPMET monitoring in ASIA/PACIFIC region carried out by five RODBs: Bangkok, Brisbane, Nadi, Singapore, and Tokyo. The results were presented at the Meeting annually.

1.2 The Meeting noted the related action from the previous Meeting, MET/IE WG/20 action item 05, group to review the Performance Indices (PIs) used in APAC OPMET monitoring. [ACTION MET/IE WG21-07]

1.3 The ad hoc group, in coordination with the Secretariat, Chair, Australia, Hong Kong, New Zealand, and Thailand, agreed to perform the action and consider the timeliness of IWXXM.

1.4 The monitoring based on the MET SG/27 WP/09

No. of aerodromes listed in Appendix A - Collection and Dissemination of METAR (SA) bulletins, Table A: METAR	317
No. of aerodromes listed in Appendix B-Collection and Dissemination of TAF (FT) Bulletins, Table B: TAF	315

The aerodromes listed in this paper for IWXXM METAR (LA) bulletins and TAF (LT) bulletins are assumed to be corresponding with TAC bulletins in the MET SG/27 WP/09.

1.5 The preliminary results to review the performance indices (PIs) used in APAC OPMET monitoring were derived from Bangkok RODB during 1-30 November 2023.

2. DISCUSSION

2.1 Bangkok RODB data preparation

- The data source of TAC and IWXXM used to analyse the availability and timeliness indices contained in this paper are from OPMET operational system at Bangkok ROC/RODB rather than the current PI method of file upload.
- Timeliness of the routine OPMET data is calculated from received time which is not available in OPMET context, thereby not applicable to TAC/IWXXM file upload methods.

2.2 The table in the Appendix A shows the PIs that include indices of Availability and Timeliness for SA and LA.

Definition:

METAR Availability: At least one report is received from the aerodrome during the 24-hour period, 1.0 represents perfect availability.

METAR Timeliness: Available METAR observation reports (not including SPECI; no NIL, no AMD observations; including COR observations) is received maximum 10 minutes after the observation time

2.3 The table in the Appendix B shows the PIs that include indices of Availability and Timeliness for FT and LT.

Definition:

TAF Availability: At least one report is received from the aerodrome during the 24-hour period, 1.0 represents perfect availability.

TAF Timeliness: Available TAF observation reports (excluding NIL and TAF reports with BBB = AMD; inclusive BBB = COR reports) is received within 60 minutes before the start period of validity of TAF.

2.4 The tables below show the average of the two indices during the 30-day monitoring period received at Bangkok RODB.

Availability Index (AI)		Timeliness Index (TI)	
NOV 2023	RODB	NOV 2023	RODB
	VTBB		VTBB
SA	0.96	SA	0.76
LA 3.0 or 2021-2	0.41	LA 3.0 or 2021-2	0.34
LA 3.0	0.27	LA 3.0	0.20
LA 2021-2	0.14	LA 2021-2	0.14

Availability Index (AI)		Timeliness Index (TI)	
NOV 2023	RODB	NOV 2023	RODB
	VTBB		VTBB
FT	0.89	FT	0.74
LT 3.0 or 2021-2	0.40	LT 3.0 or 2021-2	0.38
LT 3.0	0.25	LT 3.0	0.24
LT 2021-2	0.14	LT 2021-2	0.14

Availability Index

2.5 A summary of the PIs results, the following tables highlight a number of locations with 0 (zero) Availability index for METAR and TAF respectively.

SA-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
OPKC	OPGW	SAPK31	0
VCCC	VCCH	SASB31	0
VECC	VGSY	SABW31	0
VTBB	VDSR	SAAE32	0
WIII	WITT	SAID32	0
WIII	WADY	SAID33	0
WMKK	WSAP	SAMS31	0
YBBN	AYGN	SANG31	0
YBBN	AYMO	SANG31	0
YBBN	AYVN	SANG31	0
YBBN	AYWK	SANG31	0
YBBN	WPDJ	SATM31	0

- 12 of 317 (3.79%) aerodromes with Availability index for TAC METAR = 0 (nil report)

LA-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
NZKL	NZQN	LANZ32	0
OPKC	OPFA	LAPK31	0
OPKC	OPGW	LAPK31	0
OPKC	OPIS	LAPK31	0
OPKC	OPKC	LAPK31	0
OPKC	OPLA	LAPK31	0
OPKC	OPMT	LAPK31	0
OPKC	OPNH	LAPK31	0
OPKC	OPPS	LAPK31	0
OPKC	OPSK	LAPK31	0
OPKC	OPST	LAPK31	0
RJTD	RJAA	LAJP31	0
RJTD	RJBB	LAJP31	0
RJTD	RJCH	LAJP31	0
RJTD	RJGG	LAJP31	0
RJTD	RJOO	LAJP31	0
RJTD	RJSS	LAJP31	0
RJTD	RJTT	LAJP31	0
RJTD	ROAH	LAJP31	0
RJTD	RJCC	LAJP32	0
RJTD	RJFF	LAJP32	0
RJTD	RJFK	LAJP32	0

LA-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
RJTD	RJFO	LAJP32	0
RJTD	RJFT	LAJP32	0
RJTD	RJFU	LAJP32	0
RJTD	RJNK	LAJP32	0
RJTD	RJNT	LAJP32	0
RJTD	RJOA	LAJP32	0
RJTD	RJOB	LAJP32	0
RJTD	RJOT	LAJP32	0
RJTD	RJSN	LAJP32	0
RJTD	RJAH	LAJP38	0
RJTD	RJCB	LAJP38	0
RJTD	RJCK	LAJP38	0
RJTD	RJCM	LAJP38	0
RJTD	RJEC	LAJP38	0
RJTD	RJFM	LAJP38	0
RJTD	RJFR	LAJP38	0
RJTD	RJFS	LAJP38	0
RJTD	RJNS	LAJP38	0
RJTD	RJOC	LAJP38	0
RJTD	RJOH	LAJP38	0
RJTD	RJOK	LAJP38	0
RJTD	RJOM	LAJP38	0
RJTD	RJSA	LAJP38	0
RJTD	RJSF	LAJP38	0
RJTD	RJSI	LAJP38	0
RJTD	RJSK	LAJP38	0
RJTD	ROIG	LAJP38	0
RKSI	RKJB	LAKO31	0
RKSI	RKNY	LAKO31	0
RKSI	RKPC	LAKO31	0
RKSI	RKPK	LAKO31	0
RKSI	RKSI	LAKO31	0
RKSI	RKSS	LAKO31	0
RKSI	RKTN	LAKO31	0
RKSI	RKTU	LAKO31	0
VABB	VAAH	LAIN31	0
VABB	VABB	LAIN31	0
VABB	VANP	LAIN31	0
VABB	VOBL	LAIN31	0
VABB	VOCB	LAIN31	0
VABB	VOCI	LAIN31	0
VABB	VOCL	LAIN31	0
VABB	VOHS	LAIN31	0

LA-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
VABB	VOML	LAIN31	0
VABB	VOMM	LAIN31	0
VABB	VOTR	LAIN31	0
VABB	VOTV	LAIN31	0
VCCC	VRMG	LAMV31	0
VCCC	VRMH	LAMV31	0
VCCC	VRMM	LAMV31	0
VCCC	VCBI	LASB31	0
VCCC	VCCH	LASB31	0
VCCC	VCRI	LASB31	0
VECC	VNKT	LAAS31	0
VECC	VQPR	LAAS31	0
VECC	VGEG	LABW31	0
VECC	VGHS	LABW31	0
VECC	VGSY	LABW31	0
VECC	VECC	LAIN33	0
VECC	VEGT	LAIN33	0
VECC	VEGY	LAIN33	0
VECC	VEPT	LAIN33	0
VIDP	VEBN	LAIN32	0
VIDP	VIAR	LAIN32	0
VIDP	VIDP	LAIN32	0
VIDP	VIJP	LAIN32	0
VIDP	VILK	LAIN32	0
VTBB	VDPP	LAAE32	0
VTBB	VDSR	LAAE32	0
VTBB	VDSV	LAAE32	0
VTBB	VLVT	LAAE32	0
VTBB	VYMD	LAAE32	0
VTBB	VYNT	LAAE32	0
VTBB	VYYY	LAAE32	0
VTBB	VLLB	LAAE33	0
VTBB	VLLN	LAAE33	0
VTBB	VLPS	LAAE33	0
VTBB	VLSK	LAAE33	0
VTBB	VVVD	LAAE34	0
WIII	WAAA	LAID31	0
WIII	WABB	LAID31	0
WIII	WADD	LAID31	0
WIII	WARR	LAID31	0
WIII	WIDD	LAID31	0
WIII	WIHH	LAID31	0
WIII	WIII	LAID31	0

LA-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
WIII	WIMM	LAID31	0
WIII	WADL	LAID32	0
WIII	WALL	LAID32	0
WIII	WAMM	LAID32	0
WIII	WAOO	LAID32	0
WIII	WIBB	LAID32	0
WIII	WIDN	LAID32	0
WIII	WIEE	LAID32	0
WIII	WIOO	LAID32	0
WIII	WIPP	LAID32	0
WIII	WITT	LAID32	0
WIII	WADY	LAID33	0
WIII	WAHS	LAID33	0
WIII	WAJJ	LAID33	0
WIII	WAKK	LAID33	0
WIII	WAPP	LAID33	0
WIII	WAQQ	LAID33	0
WIII	WATT	LAID33	0
WIII	WILL	LAID33	0
WMKK	WBGG	LAMS31	0
WMKK	WBKK	LAMS31	0
WMKK	WBSB	LAMS31	0
WMKK	WMKK	LAMS31	0
WMKK	WMKP	LAMS31	0
WMKK	WMSA	LAMS31	0
WMKK	WSSL	LAMS31	0
WMKK	WBGB	LAMS38	0
WMKK	WBGR	LAMS38	0
WMKK	WBGS	LAMS38	0
WMKK	WBKL	LAMS38	0
WMKK	WBKS	LAMS38	0
WMKK	WBKW	LAMS38	0
WMKK	WMKD	LAMS38	0
WMKK	WMKJ	LAMS38	0
WMKK	WMKL	LAMS38	0
WMKK	WMKM	LAMS38	0
YBBN	AYGN	LANG31	0
YBBN	AYMO	LANG31	0
YBBN	AYVN	LANG31	0
YBBN	AYWK	LANG31	0
YBBN	WPDJ	LATM31	0
ZBBB	ZBAA	LACI31	0
ZBBB	ZBSJ	LACI31	0

LA-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
ZBBB	ZBTJ	LACI31	0
ZBBB	ZBYN	LACI31	0
ZBBB	ZGGG	LACI31	0
ZBBB	ZMCK	LACI31	0
ZBBB	ZSHC	LACI31	0
ZBBB	ZSPD	LACI31	0
ZBBB	ZSSS	LACI31	0
ZBBB	ZWSH	LACI31	0
ZBBB	ZWWW	LACI31	0
ZBBB	ZYTL	LACI31	0
ZBBB	ZYTX	LACI31	0
ZBBB	ZGKL	LACI32	0
ZBBB	ZGNN	LACI32	0
ZBBB	ZGOW	LACI32	0
ZBBB	ZGSZ	LACI32	0
ZBBB	ZLXY	LACI32	0
ZBBB	ZMUB	LACI32	0
ZBBB	ZPPP	LACI32	0
ZBBB	ZSAM	LACI32	0
ZBBB	ZSFZ	LACI32	0
ZBBB	ZSNB	LACI32	0
ZBBB	ZSQD	LACI32	0
ZBBB	ZUUU	LACI32	0
ZBBB	ZBHH	LACI41	0
ZBBB	ZGHA	LACI41	0
ZBBB	ZHCC	LACI41	0
ZBBB	ZHHH	LACI41	0
ZBBB	ZJHK	LACI41	0
ZBBB	ZJSY	LACI41	0
ZBBB	ZLLL	LACI41	0
ZBBB	ZSNJ	LACI41	0
ZBBB	ZSOF	LACI41	0
ZBBB	ZUCK	LACI41	0
ZBBB	ZYCC	LACI41	0
ZBBB	ZYHB	LACI41	0

- 186 of 317 (58.69%) aerodromes with Availability index for IWXXM METAR = 0 (nil report)

FT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
NFFN	NGFU	FTPS31	0
OPKC	OPGW	FTPK31	0
VABB	VEGT	FTIN33	0
VABB	VEGY	FTIN33	0

FT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
VABB	VCCH	FTSB31	0
VECC	VQPR	FTAS31	0
VECC	VGSY	FTBW31	0
WIII	WADL	FTID32	0
WIII	WIBB	FTID32	0
WIII	WIDN	FTID32	0
WIII	WIEE	FTID32	0
WIII	WIOO	FTID32	0
WIII	WADY	FTID33	0
WIII	WAHS	FTID33	0
WIII	WAKK	FTID33	0
WIII	WAQQ	FTID33	0
WIII	WATT	FTID33	0
WIII	WAYY	FTID33	0
WIII	WILL	FTID33	0
YBBN	AYMH	FTNG31	0
YBBN	AYMO	FTNG31	0
YBBN	AYNZ	FTNG31	0
YBBN	AYVN	FTNG31	0
YBBN	AYWK	FTNG31	0

- 24 of 315 (7.62%) aerodromes with Availability index for TAC TAF = 0 (nil report)

LT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
NFFN	NGFU	LTPS31	0
NZKL	NZQN	LTNZ32	0
OPKC	OPFA	LTPK31	0
OPKC	OPGW	LTPK31	0
OPKC	OPIS	LTPK31	0
OPKC	OPKC	LTPK31	0
OPKC	OPLA	LTPK31	0
OPKC	OPMT	LTPK31	0
OPKC	OPNH	LTPK31	0
OPKC	OPPS	LTPK31	0
OPKC	OPSK	LTPK31	0
OPKC	OPST	LTPK31	0
RJTD	RJAA	LTJP31	0
RJTD	RJBB	LTJP31	0
RJTD	RJCH	LTJP31	0
RJTD	RJGG	LTJP31	0
RJTD	RJOO	LTJP31	0
RJTD	RJSS	LTJP31	0
RJTD	RJTT	LTJP31	0

LT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
RJTD	ROAH	LTJP31	0
RJTD	RJCC	LTJP32	0
RJTD	RJFF	LTJP32	0
RJTD	RJFK	LTJP32	0
RJTD	RJFO	LTJP32	0
RJTD	RJFT	LTJP32	0
RJTD	RJFU	LTJP32	0
RJTD	RJNK	LTJP32	0
RJTD	RJNT	LTJP32	0
RJTD	RJOA	LTJP32	0
RJTD	RJOB	LTJP32	0
RJTD	RJOT	LTJP32	0
RJTD	RJSN	LTJP32	0
RJTD	RJAH	LTJP38	0
RJTD	RJCB	LTJP38	0
RJTD	RJCK	LTJP38	0
RJTD	RJCM	LTJP38	0
RJTD	RJEC	LTJP38	0
RJTD	RJFM	LTJP38	0
RJTD	RJFR	LTJP38	0
RJTD	RJFS	LTJP38	0
RJTD	RJNS	LTJP38	0
RJTD	RJOC	LTJP38	0
RJTD	RJOH	LTJP38	0
RJTD	RJOK	LTJP38	0
RJTD	RJOM	LTJP38	0
RJTD	RJSA	LTJP38	0
RJTD	RJSF	LTJP38	0
RJTD	RJSI	LTJP38	0
RJTD	RJSK	LTJP38	0
RJTD	ROIG	LTJP38	0
RKSI	RKJB	LTKO31	0
RKSI	RKNY	LTKO31	0
RKSI	RKPC	LTKO31	0
RKSI	RKPK	LTKO31	0
RKSI	RKSI	LTKO31	0
RKSI	RKSS	LTKO31	0
RKSI	RKTN	LTKO31	0
RKSI	RKTU	LTKO31	0
VABB	VAAH	LTIN31	0
VABB	VABB	LTIN31	0
VABB	VANP	LTIN31	0
VABB	VOBL	LTIN31	0

LT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
VABB	VOCB	LTIN31	0
VABB	VOCI	LTIN31	0
VABB	VOCL	LTIN31	0
VABB	VOHS	LTIN31	0
VABB	VOML	LTIN31	0
VABB	VOMM	LTIN31	0
VABB	VOTR	LTIN31	0
VABB	VOTV	LTIN31	0
VABB	VEBN	LTIN32	0
VABB	VIAR	LTIN32	0
VABB	VIDP	LTIN32	0
VABB	VIJP	LTIN32	0
VABB	VILK	LTIN32	0
VABB	VECC	LTIN33	0
VABB	VEGT	LTIN33	0
VABB	VEGY	LTIN33	0
VABB	VEPT	LTIN33	0
VABB	VRMG	LTMV31	0
VABB	VRMH	LTMV31	0
VABB	VRMM	LTMV31	0
VABB	VCBI	LTSB31	0
VABB	VCCH	LTSB31	0
VABB	VCRI	LTSB31	0
VECC	VNKT	LTAS31	0
VECC	VQPR	LTAS31	0
VECC	VGEG	LTBW31	0
VECC	VGHS	LTBW31	0
VECC	VGSY	LTBW31	0
VTBB	VDPP	LTAE32	0
VTBB	VDSR	LTAE32	0
VTBB	VDSV	LTAE32	0
VTBB	VLVT	LTAE32	0
VTBB	VYMD	LTAE32	0
VTBB	VYNT	LTAE32	0
VTBB	VYYY	LTAE32	0
VTBB	VLLB	LTAE33	0
VTBB	VLLN	LTAE33	0
VTBB	VLPS	LTAE33	0
VTBB	VLSK	LTAE33	0
VTBB	VVVD	LTAE34	0
WIII	WADL	LTID32	0
WIII	WALL	LTID32	0
WIII	WAMM	LTID32	0

LT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
WIII	WAOO	LTID32	0
WIII	WIBB	LTID32	0
WIII	WIDN	LTID32	0
WIII	WIEE	LTID32	0
WIII	WIOO	LTID32	0
WIII	WIPP	LTID32	0
WIII	WITT	LTID32	0
WIII	WADY	LTID33	0
WIII	WAHS	LTID33	0
WIII	WAJJ	LTID33	0
WIII	WAKK	LTID33	0
WIII	WAPP	LTID33	0
WIII	WAQQ	LTID33	0
WIII	WATT	LTID33	0
WIII	WAYY	LTID33	0
WIII	WILL	LTID33	0
WSSS	WAAA	LTSR31	0
WSSS	WABB	LTSR31	0
WSSS	WADD	LTSR31	0
WSSS	WARR	LTSR31	0
WSSS	WIHH	LTSR31	0
WSSS	WIII	LTSR31	0
WSSS	WIMM	LTSR31	0
WSSS	WSAP	LTSR31	0
WSSS	WSSL	LTSR31	0
WSSS	WSSS	LTSR31	0
WSSS	WMKD	LTSR32	0
WSSS	WMKJ	LTSR32	0
WSSS	WMKK	LTSR32	0
WSSS	WMKL	LTSR32	0
WSSS	WMKM	LTSR32	0
WSSS	WMKP	LTSR32	0
WSSS	WMSA	LTSR32	0
WSSS	WBGB	LTSR33	0
WSSS	WBGG	LTSR33	0
WSSS	WBGR	LTSR33	0
WSSS	WBGS	LTSR33	0
WSSS	WBKK	LTSR33	0
WSSS	WBKL	LTSR33	0
WSSS	WBKS	LTSR33	0
WSSS	WBKW	LTSR33	0
WSSS	WBSB	LTSR33	0
YBBN	AYMH	LTNG31	0

LT-Availability Index = 0 (nil report)			
ROC	Aerodrome	Bulletin	VTBB
YBBN	AYMO	LTNG31	0
YBBN	AYNZ	LTNG31	0
YBBN	AYVN	LTNG31	0
YBBN	AYWK	LTNG31	0
YBBN	WPDL	LTTM31	0
ZBBB	ZBAA	LTCI31	0
ZBBB	ZBSJ	LTCI31	0
ZBBB	ZBTJ	LTCI31	0
ZBBB	ZBYN	LTCI31	0
ZBBB	ZGGG	LTCI31	0
ZBBB	ZMCK	LTCI31	0
ZBBB	ZSHC	LTCI31	0
ZBBB	ZSPD	LTCI31	0
ZBBB	ZSSS	LTCI31	0
ZBBB	ZWSH	LTCI31	0
ZBBB	ZWWW	LTCI31	0
ZBBB	ZYTL	LTCI31	0
ZBBB	ZYTX	LTCI31	0
ZBBB	ZGKL	LTCI32	0
ZBBB	ZGNN	LTCI32	0
ZBBB	ZGOW	LTCI32	0
ZBBB	ZGSZ	LTCI32	0
ZBBB	ZLXY	LTCI32	0
ZBBB	ZMUB	LTCI32	0
ZBBB	ZPPP	LTCI32	0
ZBBB	ZSAM	LTCI32	0
ZBBB	ZSFZ	LTCI32	0
ZBBB	ZSNB	LTCI32	0
ZBBB	ZSQD	LTCI32	0
ZBBB	ZUUU	LTCI32	0
ZBBB	ZBHH	LTCI41	0
ZBBB	ZGHA	LTCI41	0
ZBBB	ZHCC	LTCI41	0
ZBBB	ZHHH	LTCI41	0
ZBBB	ZJHK	LTCI41	0
ZBBB	ZJSY	LTCI41	0
ZBBB	ZLLL	LTCI41	0
ZBBB	ZSNJ	LTCI41	0
ZBBB	ZSOF	LTCI41	0
ZBBB	ZUCK	LTCI41	0
ZBBB	ZYCC	LTCI41	0
ZBBB	ZYHB	LTCI41	0

- 190 of 315 (60.32%) aerodromes with Availability index for IWXXM TAF = 0 (nil report)

2.6 A summary of the PIs results, the following tables highlight a number of locations with low Availability index for METAR and TAF respectively.

SA-Availability Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
OPKC	OPNH	SAPK31	0.7

- 1 of 317 (0.32%) aerodromes with low Availability index for TAC METAR: 0.0 < METAR < 0.9

LA-Availability Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
WMKK	WSAP	LAMS31	0.03

- 1 of 317 (0.32%) aerodromes with low Availability index for IWXXM METAR:
0.0 < METAR < 0.9

FT-Availability Index (0.0 < TAF < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
VECC	VGEG	FTBW31	0.03
VTBB	VDSR	FTAE32	0.17
WIII	WALL	FTID32	0.03
WIII	WAMM	FTID32	0.03
WIII	WAOO	FTID32	0.03
WIII	WIPP	FTID32	0.03
WIII	WITT	FTID32	0.03
WIII	WAJJ	FTID33	0.03
WIII	WAPP	FTID33	0.03
WSSS	WMKD	FTSR32	0.03

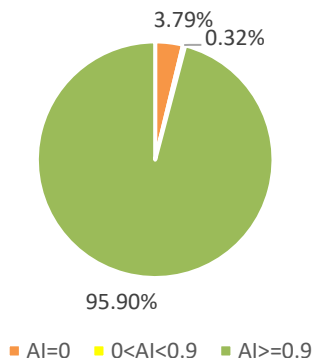
- 10 of 315 (3.17%) aerodromes with low Availability index for TAC TAF: 0.0 < TAF < 0.9

LT-Availability Index (0.0 < TAF < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
-	-	-	-

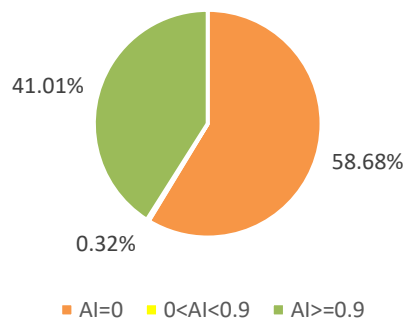
- 0 of 315 (0.00%) aerodromes with low Availability index for IWXXM TAF:
0.0 < TAF < 0.9)

2.7 In 317 aerodromes for TAC METAR, there are 12, 1 and 304 aerodromes of 0 (zero), low and high Availability indexes respectively. In 317 aerodromes for IWXXM METAR, there are 186, 1 and 130 aerodromes of 0 (zero), low and high Availability indexes respectively.

Distribution of SA Availability Index

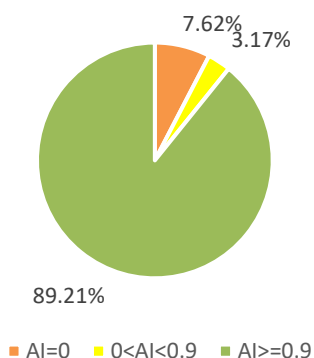


Distribution of LA Availability Index

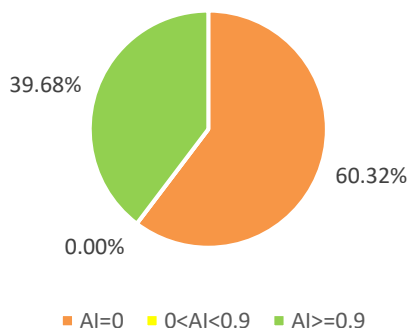


2.8 In 315 aerodromes for TAC TAF, there are 24, 10 and 281 aerodromes of 0 (zero), low and high Availability indexes respectively. In 315 aerodromes for IWXXM TAF, there are 190, 0 and 125 aerodromes of 0 (zero), low and high Availability indexes respectively.

Distribution of FT Availability Index



Distribution of LT Availability Index



Timeliness Index

2.9 A summary of the PIs results, the following tables highlight a number of locations with 0 (zero) Timeliness index for METAR and TAF respectively. **For the Timeliness index of TAC and IWXXM aerodromes, only aerodromes with Availability > 0 were taken into consideration.**

SA-Timeliness Index = 0			
ROC	Aerodrome	Bulletin	VTBB
VCCC	VRMG	SAMV31	0.00
VCCC	VRMH	SAMV31	0.00
VCCC	VRMM	SAMV31	0.00
YBBN	AYMH	SANG31	0.00
YBBN	AYNZ	SANG31	0.00

- 5 of 305 (1.64%) aerodromes with Timeliness index for TAC METAR = 0

LA-Timeliness Index = 0			
ROC	Aerodrome	Bulletin	VTBB
WMKK	WSAP	LAMS31	0.00

YBBN	AYMH	LANG31	0.00
YBBN	AYNZ	LANG31	0.00

- 3 of 131 (2.29%) aerodromes with Timeliness index for IWXXM METAR = 0

FT-Timeliness Index = 0			
ROC	Aerodrome	Bulletin	VTBB
VECC	VGEG	FTBW31	0.00
WIII	WALL	FTID32	0.00
WIII	WAMM	FTID32	0.00
WIII	WAOO	FTID32	0.00
WIII	WIPP	FTID32	0.00
WIII	WITT	FTID32	0.00
WIII	WAJJ	FTID33	0.00
WIII	WAPP	FTID33	0.00
WSSS	WMKD	FTSR32	0.00
ZBBB	ZBAA	FTCI31	0.00
ZBBB	ZBSJ	FTCI31	0.00
ZBBB	ZBTJ	FTCI31	0.00
ZBBB	ZBYN	FTCI31	0.00
ZBBB	ZGGG	FTCI31	0.00
ZBBB	ZSHC	FTCI31	0.00
ZBBB	ZSPD	FTCI31	0.00
ZBBB	ZSSS	FTCI31	0.00
ZBBB	ZWSH	FTCI31	0.00
ZBBB	ZWWW	FTCI31	0.00
ZBBB	ZYTL	FTCI31	0.00
ZBBB	ZYTX	FTCI31	0.00
ZBBB	ZGKL	FTCI32	0.00
ZBBB	ZGNN	FTCI32	0.00
ZBBB	ZGOW	FTCI32	0.00
ZBBB	ZGSZ	FTCI32	0.00
ZBBB	ZLXY	FTCI32	0.00
ZBBB	ZPPP	FTCI32	0.00
ZBBB	ZSAM	FTCI32	0.00
ZBBB	ZSFZ	FTCI32	0.00
ZBBB	ZSNB	FTCI32	0.00
ZBBB	ZSQD	FTCI32	0.00
ZBBB	ZUUU	FTCI32	0.00
ZBBB	ZBHH	FTCI41	0.00
ZBBB	ZGHA	FTCI41	0.00
ZBBB	ZHCC	FTCI41	0.00
ZBBB	ZHHH	FTCI41	0.00
ZBBB	ZJHK	FTCI41	0.00
ZBBB	ZJSY	FTCI41	0.00
ZBBB	ZLLL	FTCI41	0.00

FT-Timeliness Index = 0			
ROC	Aerodrome	Bulletin	VTBB
ZBBB	ZSNJ	FTCI41	0.00
ZBBB	ZSOF	FTCI41	0.00
ZBBB	ZUCK	FTCI41	0.00
ZBBB	ZYCC	FTCI41	0.00
ZBBB	ZYHB	FTCI41	0.00

- 44 of 291 (15.12%) aerodromes with Timeliness index for TAC TAF = 0

LT-Timeliness Index = 0			
ROC	Aerodrome	Bulletin	VTBB
-	-	-	-

- 0 of 125 (0.00%) aerodromes with Timeliness index for IWXXM TAF = 0

2.10 A summary of the PIs results, the following tables highlight a number of locations with low Timeliness index for METAR and TAF respectively.

SA-Timeliness Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
NFFN	NCRG	SAPS31	0.13
NFFN	NFNA	SAPS31	0.13
NFFN	NFTF	SAPS31	0.13
NFFN	NFTL	SAPS31	0.13
NFFN	NFTV	SAPS31	0.13
NFFN	NGFU	SAPS31	0.13
NFFN	NIUE	SAPS31	0.13
NFFN	NSFA	SAPS31	0.13
NFFN	NVSS	SAPS31	0.13
NFFN	NVVV	SAPS31	0.13
NFFN	PLCH	SAPS31	0.45
OPKC	OPFA	SAPK31	0.37
OPKC	OPMT	SAPK31	0.81
OPKC	OPNH	SAPK31	0.12
OPKC	OPPS	SAPK31	0.86
OPKC	OPSK	SAPK31	0.46
OPKC	OPST	SAPK31	0.48
VABB	VAAH	SAIN31	0.03
VABB	VANP	SAIN31	0.03
VABB	VOCI	SAIN31	0.59
VABB	VOHS	SAIN31	0.03
VABB	VOMM	SAIN31	0.03
VABB	VOTR	SAIN31	0.03
VABB	VOTV	SAIN31	0.03
VCCC	VCRI	SASB31	0.71
VECC	VQPR	SAAS31	0.47

SA-Timeliness Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
VECC	VGEG	SABW31	0.38
VECC	VEGT	SAIN33	0.67
VECC	VEGY	SAIN33	0.44
VECC	VEPT	SAIN33	0.61
VHHH	RCKH	SAHK31	0.60
VHHH	RCMQ	SAHK31	0.60
VHHH	RCNN	SAHK31	0.60
VHHH	RCSS	SAHK31	0.60
VHHH	RCTP	SAHK31	0.60
VHHH	RPLB	SAHK31	0.55
VHHH	RPLC	SAHK31	0.55
VHHH	RPLI	SAHK31	0.74
VHHH	RPLL	SAHK31	0.55
VHHH	RPMZ	SAHK31	0.74
VHHH	RPVM	SAHK31	0.55
VHHH	RPVP	SAHK31	0.74
VHHH	VHHH	SAHK31	0.60
VHHH	VMMC	SAHK31	0.60
VIDP	VEBN	SAIN32	0.62
VIDP	VIAR	SAIN32	0.66
VIDP	VIJP	SAIN32	0.88
VIDP	VILK	SAIN32	0.83
VTBB	VLVT	SAAE32	0.60
VTBB	VYMD	SAAE32	0.26
VTBB	VYNT	SAAE32	0.26
VTBB	VLLB	SAAE33	0.72
VTBB	VLLN	SAAE33	0.74
VTBB	VLPS	SAAE33	0.73
VTBB	VLSK	SAAE33	0.71
WIII	WAAA	SAID31	0.10
WIII	WABB	SAID31	0.11
WIII	WADD	SAID31	0.12
WIII	WARR	SAID31	0.34
WIII	WIDD	SAID31	0.11
WIII	WIHH	SAID31	0.09
WIII	WIII	SAID31	0.11
WIII	WIMM	SAID31	0.06
WIII	WADL	SAID32	0.07
WIII	WALL	SAID32	0.09
WIII	WAMM	SAID32	0.09
WIII	WAOO	SAID32	0.10
WIII	WIBB	SAID32	0.10
WIII	WIDN	SAID32	0.08

SA-Timeliness Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
WIII	WIEE	SAID32	0.11
WIII	WIOO	SAID32	0.11
WIII	WIPP	SAID32	0.10
WIII	WAHS	SAID33	0.10
WIII	WAJJ	SAID33	0.07
WIII	WAKK	SAID33	0.07
WIII	WAPP	SAID33	0.10
WIII	WAQQ	SAID33	0.04
WIII	WATT	SAID33	0.11
WIII	WILL	SAID33	0.06
WMKK	WMSA	SAMS31	0.47
WMKK	WSSL	SAMS31	0.48
YBBN	YMHB	SAAU31	0.89
YBBN	YMML	SAAU31	0.89
YBBN	YPAD	SAAU31	0.83
YBBN	YPDN	SAAU31	0.83
YBBN	YPPH	SAAU31	0.83
YBBN	YPXM	SAAU32	0.83
YBBN	YBTL	SAAU36	0.89
YBBN	YWLM	SAAU36	0.89
YBBN	AGGH	SANG31	0.29
YBBN	ANYN	SANG31	0.52
YBBN	AYPY	SANG31	0.54
ZBBB	ZMCK	SACI31	0.50

- 93 of 305 (30.49%) aerodromes with low Timeliness index for TAC METAR: 0.0 < METAR < 0.9

LA-Timeliness Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
NFFN	NCRG	LAPS31	0.13
NFFN	NFFN	LAPS31	0.13
NFFN	NFNA	LAPS31	0.13
NFFN	NFTF	LAPS31	0.13
NFFN	NFTL	LAPS31	0.13
NFFN	NFTV	LAPS31	0.13
NFFN	NGFU	LAPS31	0.13
NFFN	NGTA	LAPS31	0.13
NFFN	NIUE	LAPS31	0.13
NFFN	NSFA	LAPS31	0.13
NFFN	NVSS	LAPS31	0.13
NFFN	NVVV	LAPS31	0.13
NFFN	PLCH	LAPS31	0.06
VHHH	RCFN	LAHK31	0.89
VHHH	RCKH	LAHK31	0.67

LA-Timeliness Index (0.0 < METAR < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
VHHH	RCMQ	LAHK31	0.67
VHHH	RCNN	LAHK31	0.67
VHHH	RCSS	LAHK31	0.66
VHHH	RCTP	LAHK31	0.79
VHHH	RPLB	LAHK31	0.60
VHHH	RPLC	LAHK31	0.60
VHHH	RPLI	LAHK31	0.80
VHHH	RPLL	LAHK31	0.60
VHHH	RPMD	LAHK31	0.84
VHHH	RPMZ	LAHK31	0.80
VHHH	RPVM	LAHK31	0.60
VHHH	RPVP	LAHK31	0.80
VHHH	VHHH	LAHK31	0.80
VHHH	VMMC	LAHK31	0.80
VTBB	VVCI	LAAE34	0.84
VTBB	VVNB	LAAE34	0.77
YBBN	YMHB	LAAU31	0.89
YBBN	YMML	LAAU31	0.89
YBBN	YPAD	LAAU31	0.83
YBBN	YPDN	LAAU31	0.83
YBBN	YPPH	LAAU31	0.83
YBBN	YPXM	LAAU32	0.82
YBBN	YBTL	LAAU36	0.89
YBBN	YWLM	LAAU36	0.88
YBBN	AGGH	LANG31	0.29
YBBN	ANYN	LANG31	0.52
YBBN	AYPY	LANG31	0.54

- 42 of 131 (32.06%) aerodromes with low Timeliness index for IWXXM METAR:
0.0 < METAR < 0.9

FT-Timeliness Index (0.0 < TAF < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
NFFN	NIUE	FTPS31	0.78
OPKC	OPFA	FTPK31	0.78
OPKC	OPIS	FTPK31	0.89
VABB	VAAH	FTIN31	0.83
VABB	VANP	FTIN31	0.77
VECC	VGHS	FTBW31	0.38
VTBB	VDPP	FTAE32	0.56
VTBB	VDSR	FTAE32	0.01
VTBB	VDSV	FTAE32	0.57
VTBB	VLVT	FTAE32	0.51
VTBB	VYMD	FTAE32	0.37

FT-Timeliness Index (0.0 < TAF < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
VTBB	VYNT	FTAE32	0.34
VTBB	VYYY	FTAE32	0.38
VTBB	VLLB	FTAE33	0.58
VTBB	VLLN	FTAE33	0.58
VTBB	VLPS	FTAE33	0.58
VTBB	VLSK	FTAE33	0.58
VTBB	VVCI	FTAE34	0.74
VTBB	VVNB	FTAE34	0.75
VTBB	VVVD	FTAE34	0.74
YBBN	YPEA	FTAU36	0.84
YBBN	YPTN	FTAU36	0.84
YBBN	AGGH	FTNG31	0.32
YBBN	ANYN	FTNG31	0.38
YBBN	AYPY	FTNG31	0.41
ZBBB	ZMCK	FTCI31	0.01
ZBBB	ZMUB	FTCI32	0.02

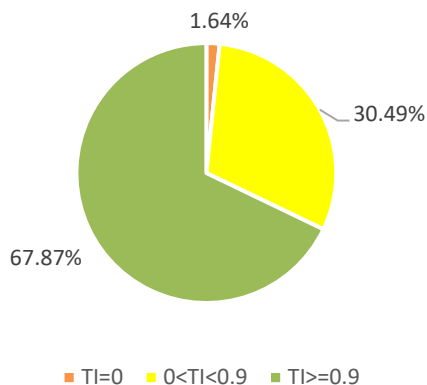
- 27 of 291 (9.28%) aerodromes with low Timeliness index for TAC TAF: 0.0 < TAF < 0.9

LT-Timeliness Index (0.0 < TAF < 0.9)			
ROC	Aerodrome	Bulletin	VTBB
NFFN	NIUE	LTPS31	0.78
VHHH	VHHH	LTHK31	0.88
VTBB	VVCI	LTAE34	0.69
VTBB	VVNB	LTAE34	0.70
YBBN	YPEA	LTAU36	0.84
YBBN	YPTN	LTAU36	0.84
YBBN	AGGH	LTNG31	0.32
YBBN	ANYN	LTNG31	0.38
YBBN	AYPY	LTNG31	0.42

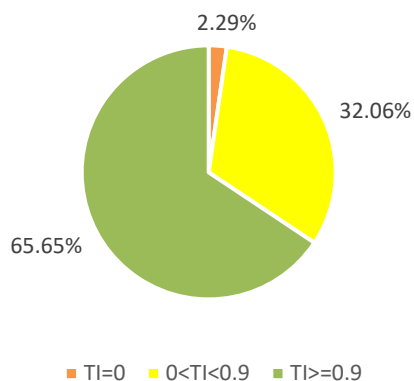
- 9 of 125 (7.20%) aerodromes with low Timeliness index for IWXXM TAF:
0.0 < TAF < 0.9)

2.11 In 305 aerodromes for TAC METAR, there are 5, 93 and 207 aerodromes of 0 (zero), low and high Timeliness indexes respectively. In 131 aerodromes for IWXXM METAR, there are 3, 42 and 86 aerodromes of 0 (zero), low and high Timeliness indexes respectively.

Distribution of SA Timeliness Index

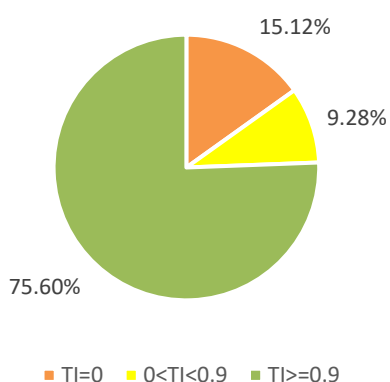


Distribution of LA Timeliness Index

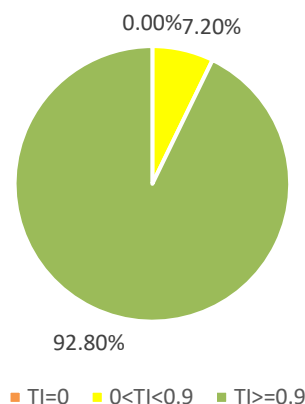


2.12 In 291 aerodromes for TAC TAF, there are 44, 27 and 220 aerodromes of 0 (zero), low and high Timeliness indexes respectively. In 125 aerodromes for IWXXM TAF, there are 0, 9 and 116 aerodromes of 0 (zero), low and high Timeliness indexes respectively.

Distribution of FT Timeliness Index

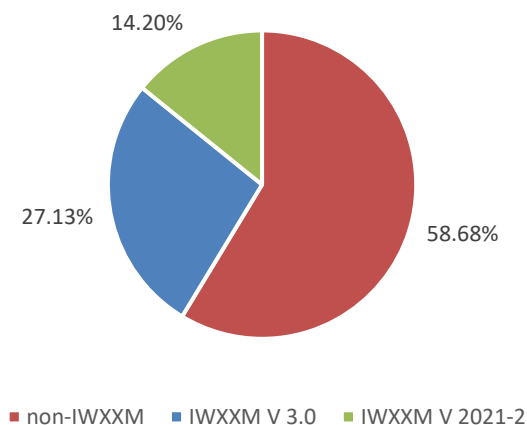


Distribution of LT Timeliness Index

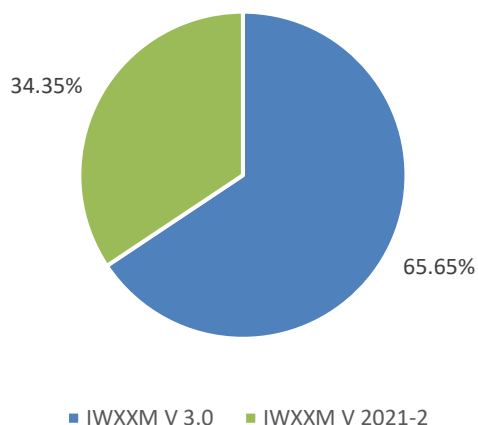


2.13 There are 131 of 317 (41.32%) aerodromes in LA bulletins. The 131 aerodromes are comprised of 86 (65.65%) aerodromes in IWXXM Version 3.0 and 45 (34.35%) aerodromes in IWXXM in Version 2021-2 being available at Bangkok RODB.

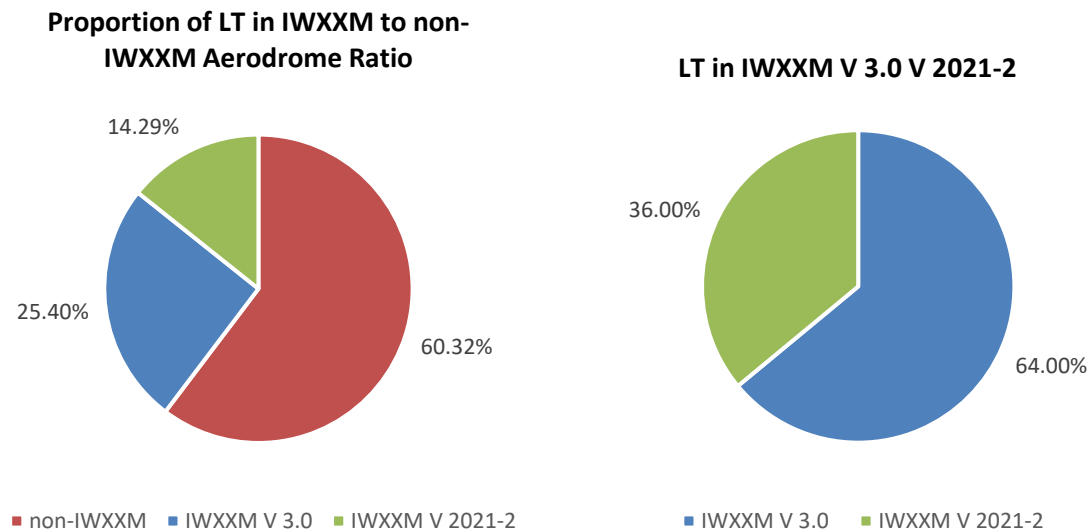
Proportion of LA in IWXXM to non-IWXXM Aerodrome Ratio



LA in IWXXM V 3.0 vs V 2021.2



2.14 There are 125 of 315 (39.68%) aerodromes in LT bulletins. The 125 aerodromes are comprised of 80 (64.00%) aerodromes in IWXXM Version 3.0 and 45 (36.00%) aerodromes in IWXXM in Version 2021-2 being available at Bangkok RODB.



2.15 The preliminary results to review the performance indices (PIs) used in APAC OPMET monitoring from Bangkok RODB are shown in the Appendices to this paper.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to
- a) note the information in this paper
 - b) discuss any relevant matters as appropriate

APPENDIX A

**PRELIMINARY RESULTS TO REVIEW THE PERFORMANCE INDICES (PIs) USED IN APAC OPMET MONITORING –
METAR
1-30 November 2023**

 PI = 0  0.0 < PI < 0.9  PI ≥ 0.9

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
1	NFFN	NCRG	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
2	NFFN	NFFN	SAPS31	1	0.99	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
3	NFFN	NFNA	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
4	NFFN	NFTF	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
5	NFFN	NFTL	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
6	NFFN	NFTV	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
7	NFFN	NGFU	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
8	NFFN	NGTA	SAPS31	1	0.95	LAPS31	0.93	0.13	LAPS31	0	0.00	LAPS31	0.93	0.13
9	NFFN	NIUE	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
10	NFFN	NSFA	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
11	NFFN	NVSS	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
12	NFFN	NVVV	SAPS31	1	0.13	LAPS31	1	0.13	LAPS31	0	0.00	LAPS31	1	0.13
13	NFFN	PLCH	SAPS31	1	0.45	LAPS31	1	0.06	LAPS31	0	0.00	LAPS31	1	0.06
14	NFFN	NLWW	SAPS32	1	0.95	LAPS32	1	0.95	LAPS32	0	0.00	LAPS32	1	0.95
15	NFFN	NWWW	SAPS32	1	0.95	LAPS32	1	0.95	LAPS32	0	0.00	LAPS32	1	0.95
16	NFFN	NTAA	SAPS33	1	0.98	LAPS33	1	0.97	LAPS33	0	0.00	LAPS33	1	0.97
17	NZKL	NZAA	SANZ31	1	1.00	LANZ31	1	1.00	LANZ31	0	0.00	LANZ31	1	1.00
18	NZKL	NZCH	SANZ31	1	1.00	LANZ31	1	1.00	LANZ31	0	0.00	LANZ31	1	1.00
19	NZKL	NZWN	SANZ31	1	1.00	LANZ31	1	1.00	LANZ31	0	0.00	LANZ31	1	1.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
20	NZKL	NZQN	SANZ32	1	1.00	LANZ32	0	0.00	LANZ32	0	0.00	LANZ32	0	0.00
21	OPKC	OPFA	SAPK31	1	0.37	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
22	OPKC	OPGW	SAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
23	OPKC	OPIS	SAPK31	1	0.95	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
24	OPKC	OPKC	SAPK31	1	0.96	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
25	OPKC	OPLA	SAPK31	1	0.93	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
26	OPKC	OPMT	SAPK31	1	0.81	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
27	OPKC	OPNH	SAPK31	0.7	0.12	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
28	OPKC	OPPS	SAPK31	1	0.86	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
29	OPKC	OPSK	SAPK31	1	0.46	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
30	OPKC	OPST	SAPK31	1	0.48	LAPK31	0	0.00	LAPK31	0	0.00	LAPK31	0	0.00
31	RJTD	RJAA	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
32	RJTD	RJBB	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
33	RJTD	RJCH	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
34	RJTD	RJGG	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
35	RJTD	RJOO	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
36	RJTD	RJSS	SAJP31	1	0.93	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
37	RJTD	RJTT	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
38	RJTD	ROAH	SAJP31	1	0.99	LAJP31	0	0.00	LAJP31	0	0.00	LAJP31	0	0.00
39	RJTD	RJCC	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
40	RJTD	RJFF	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
41	RJTD	RJFK	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
42	RJTD	RJFO	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
43	RJTD	RJFT	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
44	RJTD	RJFU	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
45	RJTD	RJNK	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
46	RJTD	RJNT	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
47	RJTD	RJOA	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
48	RJTD	RJOB	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
49	RJTD	RJOT	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
50	RJTD	RJSN	SAJP32	1	0.99	LAJP32	0	0.00	LAJP32	0	0.00	LAJP32	0	0.00
51	RJTD	RJAH	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
52	RJTD	RJCB	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
53	RJTD	RJCK	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
54	RJTD	RJCM	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
55	RJTD	RJEC	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
56	RJTD	RJFM	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
57	RJTD	RJFR	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
58	RJTD	RJFS	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
59	RJTD	RJNS	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
60	RJTD	RJOC	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
61	RJTD	RJOH	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
62	RJTD	RJOK	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
63	RJTD	RJOM	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
64	RJTD	RJSA	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
65	RJTD	RJSF	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
66	RJTD	RJSI	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
67	RJTD	RJSK	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
68	RJTD	ROIG	SAJP38	1	0.99	LAJP38	0	0.00	LAJP38	0	0.00	LAJP38	0	0.00
69	RKSI	RKJB	SAKO31	1	0.99	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
70	RKSI	RKNY	SAKO31	1	0.99	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
71	RKSI	RKPC	SAKO31	1	0.99	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
72	RKSI	RKPK	SAKO31	1	0.98	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
73	RKSI	RKSI	SAKO31	1	1.00	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
74	RKSI	RKSS	SAKO31	1	0.99	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
75	RKSI	RKTN	SAKO31	1	0.98	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
76	RKSI	RKTU	SAKO31	1	0.98	LAKO31	0	0.00	LAKO31	0	0.00	LAKO31	0	0.00
77	VABB	VAAH	SAIN31	1	0.03	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
78	VABB	VABB	SAIN31	1	0.93	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
79	VABB	VANP	SAIN31	1	0.03	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
80	VABB	VOBL	SAIN31	1	0.91	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
81	VABB	VOCB	SAIN31	1	0.92	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
82	VABB	VOCI	SAIN31	1	0.59	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
83	VABB	VOCL	SAIN31	1	0.91	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
84	VABB	VOHS	SAIN31	1	0.03	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
85	VABB	VOML	SAIN31	1	0.98	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
86	VABB	VOMM	SAIN31	1	0.03	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
87	VABB	VOTR	SAIN31	1	0.03	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
88	VABB	VOTV	SAIN31	1	0.03	LAIN31	0	0.00	LAIN31	0	0.00	LAIN31	0	0.00
89	VCCC	VRMG	SAMV31	1	0.00	LAMV31	0	0.00	LAMV31	0	0.00	LAMV31	0	0.00
90	VCCC	VRMH	SAMV31	1	0.00	LAMV31	0	0.00	LAMV31	0	0.00	LAMV31	0	0.00
91	VCCC	VRMM	SAMV31	1	0.00	LAMV31	0	0.00	LAMV31	0	0.00	LAMV31	0	0.00
92	VCCC	VCBI	SASB31	1	0.95	LASB31	0	0.00	LASB31	0	0.00	LASB31	0	0.00
93	VCCC	VCCH	SASB31	0	0.00	LASB31	0	0.00	LASB31	0	0.00	LASB31	0	0.00
94	VCCC	VCRI	SASB31	1	0.71	LASB31	0	0.00	LASB31	0	0.00	LASB31	0	0.00
95	VECC	VNKT	SAAS31	1	0.99	LAAS31	0	0.00	LAAS31	0	0.00	LAAS31	0	0.00
96	VECC	VQPR	SAAS31	1	0.47	LAAS31	0	0.00	LAAS31	0	0.00	LAAS31	0	0.00
97	VECC	VGEG	SABW31	1	0.38	LABW31	0	0.00	LABW31	0	0.00	LABW31	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
98	VECC	VGHS	SABW31	1	0.96	LABW31	0	0.00	LABW31	0	0.00	LABW31	0	0.00
99	VECC	VGSY	SABW31	0	0.00	LABW31	0	0.00	LABW31	0	0.00	LABW31	0	0.00
100	VECC	VECC	SAIN33	1	0.99	LAIN33	0	0.00	LAIN33	0	0.00	LAIN33	0	0.00
101	VECC	VEGT	SAIN33	1	0.67	LAIN33	0	0.00	LAIN33	0	0.00	LAIN33	0	0.00
102	VECC	VEGY	SAIN33	1	0.44	LAIN33	0	0.00	LAIN33	0	0.00	LAIN33	0	0.00
103	VECC	VEPT	SAIN33	1	0.61	LAIN33	0	0.00	LAIN33	0	0.00	LAIN33	0	0.00
104	VHHH	RCFN	SAHK31	1	0.92	LAHK31	1	0.89	LAHK31	0	0.00	LAHK31	1	0.89
105	VHHH	RCKH	SAHK31	1	0.60	LAHK31	1	0.67	LAHK31	0	0.00	LAHK31	1	0.67
106	VHHH	RCMQ	SAHK31	1	0.60	LAHK31	1	0.67	LAHK31	0	0.00	LAHK31	1	0.67
107	VHHH	RCNN	SAHK31	1	0.60	LAHK31	1	0.67	LAHK31	0	0.00	LAHK31	1	0.67
108	VHHH	RCSS	SAHK31	1	0.60	LAHK31	1	0.66	LAHK31	0	0.00	LAHK31	1	0.66
109	VHHH	RCTP	SAHK31	1	0.60	LAHK31	1	0.79	LAHK31	0	0.00	LAHK31	1	0.79
110	VHHH	RPLB	SAHK31	1	0.55	LAHK31	1	0.60	LAHK31	0	0.00	LAHK31	1	0.60
111	VHHH	RPLC	SAHK31	1	0.55	LAHK31	1	0.60	LAHK31	0	0.00	LAHK31	1	0.60
112	VHHH	RPLI	SAHK31	1	0.74	LAHK31	1	0.80	LAHK31	0	0.00	LAHK31	1	0.80
113	VHHH	RPLL	SAHK31	1	0.55	LAHK31	1	0.60	LAHK31	0	0.00	LAHK31	1	0.60
114	VHHH	RPMD	SAHK31	1	0.94	LAHK31	1	0.84	LAHK31	0	0.00	LAHK31	1	0.84
115	VHHH	RPMZ	SAHK31	1	0.74	LAHK31	1	0.80	LAHK31	0	0.00	LAHK31	1	0.80
116	VHHH	RPVM	SAHK31	1	0.55	LAHK31	1	0.60	LAHK31	0	0.00	LAHK31	1	0.60
117	VHHH	RPVP	SAHK31	1	0.74	LAHK31	1	0.80	LAHK31	0	0.00	LAHK31	1	0.80
118	VHHH	VHHH	SAHK31	1	0.60	LAHK31	1	0.80	LAHK31	0	0.00	LAHK31	1	0.80
119	VHHH	VMMC	SAHK31	1	0.60	LAHK31	1	0.80	LAHK31	0	0.00	LAHK31	1	0.80
120	VIDP	VEBN	SAIN32	1	0.62	LAIN32	0	0.00	LAIN32	0	0.00	LAIN32	0	0.00
121	VIDP	VIAR	SAIN32	1	0.66	LAIN32	0	0.00	LAIN32	0	0.00	LAIN32	0	0.00
122	VIDP	VIDP	SAIN32	1	0.92	LAIN32	0	0.00	LAIN32	0	0.00	LAIN32	0	0.00
123	VIDP	VIJP	SAIN32	1	0.88	LAIN32	0	0.00	LAIN32	0	0.00	LAIN32	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
124	VIDP	VILK	SAIN32	1	0.83	LAIN32	0	0.00	LAIN32	0	0.00	LAIN32	0	0.00
125	VTBB	VTBD	SAAE31	1	0.99	LAAE31	1	0.99	LAAE31	0	0.00	LAAE31	1	0.99
126	VTBB	VTBS	SAAE31	1	0.99	LAAE31	1	0.99	LAAE31	0	0.00	LAAE31	1	0.99
127	VTBB	VTBU	SAAE31	1	1.00	LAAE31	1	1.00	LAAE31	0	0.00	LAAE31	1	1.00
128	VTBB	VTCC	SAAE31	1	0.99	LAAE31	1	0.99	LAAE31	0	0.00	LAAE31	1	0.99
129	VTBB	VTSP	SAAE31	1	1.00	LAAE31	1	1.00	LAAE31	0	0.00	LAAE31	1	1.00
130	VTBB	VTSS	SAAE31	1	1.00	LAAE31	1	1.00	LAAE31	0	0.00	LAAE31	1	1.00
131	VTBB	VDPP	SAAE32	1	0.97	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
132	VTBB	VDSR	SAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
133	VTBB	VDSV	SAAE32	1	0.93	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
134	VTBB	VLVT	SAAE32	1	0.60	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
135	VTBB	VYMD	SAAE32	1	0.26	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
136	VTBB	VYNT	SAAE32	1	0.26	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
137	VTBB	VYYY	SAAE32	1	0.96	LAAE32	0	0.00	LAAE32	0	0.00	LAAE32	0	0.00
138	VTBB	VLLB	SAAE33	1	0.72	LAAE33	0	0.00	LAAE33	0	0.00	LAAE33	0	0.00
139	VTBB	VLLN	SAAE33	1	0.74	LAAE33	0	0.00	LAAE33	0	0.00	LAAE33	0	0.00
140	VTBB	VLPS	SAAE33	1	0.73	LAAE33	0	0.00	LAAE33	0	0.00	LAAE33	0	0.00
141	VTBB	VLSK	SAAE33	1	0.71	LAAE33	0	0.00	LAAE33	0	0.00	LAAE33	0	0.00
142	VTBB	VVCI	SAAE34	1	0.93	LAAE34	1	0.84	LAAE34	0	0.00	LAAE34	1	0.84
143	VTBB	VVCR	SAAE34	1	0.98	LAAE34	1	0.98	LAAE34	0	0.00	LAAE34	1	0.98
144	VTBB	VVCT	SAAE34	1	0.97	LAAE34	1	0.96	LAAE34	0	0.00	LAAE34	1	0.96
145	VTBB	VVDN	SAAE34	1	1.00	LAAE34	1	1.00	LAAE34	0	0.00	LAAE34	1	1.00
146	VTBB	VVNB	SAAE34	1	0.98	LAAE34	1	0.77	LAAE34	0	0.00	LAAE34	1	0.77
147	VTBB	VVPB	SAAE34	1	0.98	LAAE34	1	0.98	LAAE34	0	0.00	LAAE34	1	0.98
148	VTBB	VVPQ	SAAE34	1	0.91	LAAE34	1	0.91	LAAE34	0	0.00	LAAE34	1	0.91
149	VTBB	VVTS	SAAE34	1	1.00	LAAE34	1	0.96	LAAE34	0	0.00	LAAE34	1	0.96

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
150	VTBB	VVVD	SAAE34	1	0.97	LAAE34	0	0.00	LAAE34	0	0.00	LAAE34	0	0.00
151	VTBB	VTBO	SATH31	1	0.99	LATH31	1	0.99	LATH31	0	0.00	LATH31	1	0.99
152	VTBB	VTCH	SATH31	1	0.98	LATH31	1	0.98	LATH31	0	0.00	LATH31	1	0.98
153	VTBB	VTCL	SATH31	1	1.00	LATH31	1	1.00	LATH31	0	0.00	LATH31	1	1.00
154	VTBB	VTCN	SATH31	1	1.00	LATH31	1	1.00	LATH31	0	0.00	LATH31	1	1.00
155	VTBB	VTCP	SATH31	1	1.00	LATH31	1	1.00	LATH31	0	0.00	LATH31	1	1.00
156	VTBB	VTCT	SATH31	1	1.00	LATH31	1	1.00	LATH31	0	0.00	LATH31	1	1.00
157	VTBB	VTPB	SATH31	1	0.99	LATH31	1	0.99	LATH31	0	0.00	LATH31	1	0.99
158	VTBB	VTPH	SATH31	1	0.96	LATH31	1	0.96	LATH31	0	0.00	LATH31	1	0.96
159	VTBB	VTPM	SATH31	1	1.00	LATH31	1	1.00	LATH31	0	0.00	LATH31	1	1.00
160	VTBB	VTPO	SATH31	1	0.99	LATH31	1	0.99	LATH31	0	0.00	LATH31	1	0.99
161	VTBB	VTPP	SATH31	1	0.99	LATH31	1	0.99	LATH31	0	0.00	LATH31	1	0.99
162	VTBB	VTPT	SATH31	1	0.99	LATH31	1	0.99	LATH31	0	0.00	LATH31	1	0.99
163	VTBB	VTSB	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
164	VTBB	VTSC	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
165	VTBB	VTSE	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
166	VTBB	VTSF	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
167	VTBB	VTSG	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
168	VTBB	VTSM	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
169	VTBB	VTSR	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
170	VTBB	VTST	SATH32	1	1.00	LATH32	1	1.00	LATH32	0	0.00	LATH32	1	1.00
171	VTBB	VTSY	SATH32	1	0.99	LATH32	1	0.99	LATH32	0	0.00	LATH32	1	0.99
172	VTBB	VTUD	SATH33	1	0.99	LATH33	1	0.99	LATH33	0	0.00	LATH33	1	0.99
173	VTBB	VTUI	SATH33	1	0.99	LATH33	1	0.99	LATH33	0	0.00	LATH33	1	0.99
174	VTBB	VTUK	SATH33	1	1.00	LATH33	1	1.00	LATH33	0	0.00	LATH33	1	1.00
175	VTBB	VTUL	SATH33	1	1.00	LATH33	1	1.00	LATH33	0	0.00	LATH33	1	1.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
176	VTBB	VTUO	SATH33	1	0.99	LATH33	1	0.99	LATH33	0	0.00	LATH33	1	0.99
177	VTBB	VTUQ	SATH33	1	1.00	LATH33	1	1.00	LATH33	0	0.00	LATH33	1	1.00
178	VTBB	VTUU	SATH33	1	1.00	LATH33	1	1.00	LATH33	0	0.00	LATH33	1	1.00
179	VTBB	VTUV	SATH33	1	1.00	LATH33	1	1.00	LATH33	0	0.00	LATH33	1	1.00
180	VTBB	VTUW	SATH33	1	0.99	LATH33	1	0.99	LATH33	0	0.00	LATH33	1	0.99
181	WIII	WAAA	SAID31	1	0.10	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
182	WIII	WABB	SAID31	1	0.11	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
183	WIII	WADD	SAID31	1	0.12	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
184	WIII	WARR	SAID31	1	0.34	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
185	WIII	WIDD	SAID31	1	0.11	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
186	WIII	WIHH	SAID31	1	0.09	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
187	WIII	WIII	SAID31	1	0.11	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
188	WIII	WIMM	SAID31	1	0.06	LAID31	0	0.00	LAID31	0	0.00	LAID31	0	0.00
189	WIII	WADL	SAID32	1	0.07	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
190	WIII	WALL	SAID32	1	0.09	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
191	WIII	WAMM	SAID32	1	0.09	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
192	WIII	WAOO	SAID32	1	0.10	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
193	WIII	WIBB	SAID32	1	0.10	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
194	WIII	WIDN	SAID32	1	0.08	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
195	WIII	WIEE	SAID32	1	0.11	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
196	WIII	WIOO	SAID32	1	0.11	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
197	WIII	WIPP	SAID32	1	0.10	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
198	WIII	WITT	SAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00	LAID32	0	0.00
199	WIII	WADY	SAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
200	WIII	WAHS	SAID33	1	0.10	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
201	WIII	WAJJ	SAID33	1	0.07	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
202	WIII	WAKK	SAID33	1	0.07	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
203	WIII	WAPP	SAID33	1	0.10	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
204	WIII	WAQQ	SAID33	1	0.04	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
205	WIII	WATT	SAID33	1	0.11	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
206	WIII	WILL	SAID33	1	0.06	LAID33	0	0.00	LAID33	0	0.00	LAID33	0	0.00
207	WMKK	WBGG	SAMS31	1	0.95	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
208	WMKK	WBKK	SAMS31	1	0.97	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
209	WMKK	WBSB	SAMS31	1	0.90	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
210	WMKK	WMKK	SAMS31	1	0.96	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
211	WMKK	WMKP	SAMS31	1	0.97	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
212	WMKK	WMSA	SAMS31	1	0.47	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
213	WMKK	WSAP	SAMS31	0	0.00	LAMS31	0.03	0.00	LAMS31	0	0.00	LAMS31	0.03	0.00
214	WMKK	WSSL	SAMS31	1	0.48	LAMS31	0	0.00	LAMS31	0	0.00	LAMS31	0	0.00
215	WMKK	WSSS	SAMS31	1	1.00	LAMS31	1	1.00	LAMS31	0	0.00	LAMS31	1	1.00
216	WMKK	WBGB	SAMS38	1	0.97	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
217	WMKK	WBGR	SAMS38	1	0.96	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
218	WMKK	WBGS	SAMS38	1	0.93	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
219	WMKK	WBKL	SAMS38	1	0.93	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
220	WMKK	WBKS	SAMS38	1	0.94	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
221	WMKK	WBKW	SAMS38	1	0.96	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
222	WMKK	WMKD	SAMS38	1	0.95	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
223	WMKK	WMKJ	SAMS38	1	0.95	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
224	WMKK	WMKL	SAMS38	1	0.96	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
225	WMKK	WMKM	SAMS38	1	0.93	LAMS38	0	0.00	LAMS38	0	0.00	LAMS38	0	0.00
226	YBBN	YBBN	SAAU31	1	0.95	LAAU31	0	0.00	LAAU31	1	0.95	LAAU31	1	0.95
227	YBBN	YBCG	SAAU31	1	0.98	LAAU31	0	0.00	LAAU31	1	0.97	LAAU31	1	0.97

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
228	YBBN	YBCS	SAAU31	1	0.99	LAAU31	0	0.00	LAAU31	1	0.99	LAAU31	1	0.99
229	YBBN	YMHB	SAAU31	1	0.89	LAAU31	0	0.00	LAAU31	1	0.89	LAAU31	1	0.89
230	YBBN	YMLL	SAAU31	1	0.89	LAAU31	0	0.00	LAAU31	1	0.89	LAAU31	1	0.89
231	YBBN	YPAD	SAAU31	1	0.83	LAAU31	0	0.00	LAAU31	1	0.83	LAAU31	1	0.83
232	YBBN	YPDN	SAAU31	1	0.83	LAAU31	0	0.00	LAAU31	1	0.83	LAAU31	1	0.83
233	YBBN	YPPH	SAAU31	1	0.83	LAAU31	0	0.00	LAAU31	1	0.83	LAAU31	1	0.83
234	YBBN	YSCB	SAAU31	1	0.98	LAAU31	0	0.00	LAAU31	1	0.98	LAAU31	1	0.98
235	YBBN	YSSY	SAAU31	1	0.95	LAAU31	0	0.00	LAAU31	1	0.94	LAAU31	1	0.94
236	YBBN	YBAS	SAAU32	1	0.98	LAAU32	0	0.00	LAAU32	1	0.98	LAAU32	1	0.98
237	YBBN	YBLN	SAAU32	1	0.99	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
238	YBBN	YBRK	SAAU32	1	0.99	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
239	YBBN	YBRM	SAAU32	1	0.99	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
240	YBBN	YBSU	SAAU32	1	0.97	LAAU32	0	0.00	LAAU32	1	0.97	LAAU32	1	0.97
241	YBBN	YBWW	SAAU32	1	0.98	LAAU32	0	0.00	LAAU32	1	0.98	LAAU32	1	0.98
242	YBBN	YCFS	SAAU32	1	0.98	LAAU32	0	0.00	LAAU32	1	0.98	LAAU32	1	0.98
243	YBBN	YLHI	SAAU32	1	0.93	LAAU32	0	0.00	LAAU32	1	0.93	LAAU32	1	0.93
244	YBBN	YMAV	SAAU32	1	0.98	LAAU32	0	0.00	LAAU32	1	0.98	LAAU32	1	0.98
245	YBBN	YMLT	SAAU32	1	0.99	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
246	YBBN	YPCC	SAAU32	1	1.00	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
247	YBBN	YPKG	SAAU32	1	0.99	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
248	YBBN	YPLM	SAAU32	1	0.97	LAAU32	0	0.00	LAAU32	1	0.97	LAAU32	1	0.97
249	YBBN	YPPD	SAAU32	1	0.99	LAAU32	0	0.00	LAAU32	1	0.99	LAAU32	1	0.99
250	YBBN	YPXM	SAAU32	0.9	0.83	LAAU32	0	0.00	LAAU32	0.9	0.82	LAAU32	0.9	0.82
251	YBBN	YSNF	SAAU32	1	0.97	LAAU32	0	0.00	LAAU32	1	0.97	LAAU32	1	0.97
252	YBBN	YGEL	SAAU33	1	0.98	LAAU33	0	0.00	LAAU33	1	0.98	LAAU33	1	0.98
253	YBBN	YGLA	SAAU33	1	0.98	LAAU33	0	0.00	LAAU33	1	0.98	LAAU33	1	0.98

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
254	YBBN	YHID	SAAU33	1	0.99	LAAU33	0	0.00	LAAU33	1	0.99	LAAU33	1	0.99
255	YBBN	YPJT	SAAU33	1	0.98	LAAU33	0	0.00	LAAU33	1	0.98	LAAU33	1	0.98
256	YBBN	YPWR	SAAU33	1	0.99	LAAU33	0	0.00	LAAU33	1	0.99	LAAU33	1	0.99
257	YBBN	YSDU	SAAU33	1	0.98	LAAU33	0	0.00	LAAU33	1	0.98	LAAU33	1	0.98
258	YBBN	YSRI	SAAU33	1	0.98	LAAU33	0	0.00	LAAU33	1	0.98	LAAU33	1	0.98
259	YBBN	YSTW	SAAU33	1	0.99	LAAU33	0	0.00	LAAU33	1	0.99	LAAU33	1	0.99
260	YBBN	YBHM	SAAU34	1	0.98	LAAU34	0	0.00	LAAU34	1	0.98	LAAU34	1	0.98
261	YBBN	YBMA	SAAU34	1	0.99	LAAU34	0	0.00	LAAU34	1	0.98	LAAU34	1	0.98
262	YBBN	YCIN	SAAU35	1	0.99	LAAU35	0	0.00	LAAU35	1	0.99	LAAU35	1	0.99
263	YBBN	YFRT	SAAU35	1	0.98	LAAU35	0	0.00	LAAU35	1	0.98	LAAU35	1	0.98
264	YBBN	YPGV	SAAU35	1	0.99	LAAU35	0	0.00	LAAU35	1	0.99	LAAU35	1	0.99
265	YBBN	YPKU	SAAU35	1	0.99	LAAU35	0	0.00	LAAU35	1	0.99	LAAU35	1	0.99
266	YBBN	YAMB	SAAU36	1	0.93	LAAU36	0	0.00	LAAU36	1	0.93	LAAU36	1	0.93
267	YBBN	YBTL	SAAU36	1	0.89	LAAU36	0	0.00	LAAU36	1	0.89	LAAU36	1	0.89
268	YBBN	YPEA	SAAU36	1	0.94	LAAU36	0	0.00	LAAU36	1	0.94	LAAU36	1	0.94
269	YBBN	YPTN	SAAU36	1	0.97	LAAU36	0	0.00	LAAU36	1	0.97	LAAU36	1	0.97
270	YBBN	YWLM	SAAU36	1	0.89	LAAU36	0	0.00	LAAU36	1	0.88	LAAU36	1	0.88
271	YBBN	AGGH	SANG31	1	0.29	LANG31	1	0.29	LANG31	0	0.00	LANG31	1	0.29
272	YBBN	ANYN	SANG31	1	0.52	LANG31	1	0.52	LANG31	0	0.00	LANG31	1	0.52
273	YBBN	AYGN	SANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00
274	YBBN	AYMH	SANG31	1	0.00	LANG31	1	0.00	LANG31	0	0.00	LANG31	1	0.00
275	YBBN	AYMO	SANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00
276	YBBN	AYNZ	SANG31	1	0.00	LANG31	1	0.00	LANG31	0	0.00	LANG31	1	0.00
277	YBBN	AYPY	SANG31	1	0.54	LANG31	1	0.54	LANG31	0	0.00	LANG31	1	0.54
278	YBBN	AYVN	SANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00
279	YBBN	AYWK	SANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00	LANG31	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
280	YBBN	WPDL	SATM31	0	0.00	LATM31	0	0.00	LATM31	0	0.00	LATM31	0	0.00
281	ZBBB	ZBAA	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
282	ZBBB	ZBSJ	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
283	ZBBB	ZBTJ	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
284	ZBBB	ZBYN	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
285	ZBBB	ZGGG	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
286	ZBBB	ZMCK	SACI31	1	0.50	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
287	ZBBB	ZSHC	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
288	ZBBB	ZSPD	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
289	ZBBB	ZSSS	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
290	ZBBB	ZWSH	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
291	ZBBB	ZWWW	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
292	ZBBB	ZYTL	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
293	ZBBB	ZYTX	SACI31	1	1.00	LACI31	0	0.00	LACI31	0	0.00	LACI31	0	0.00
294	ZBBB	ZGKL	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
295	ZBBB	ZGNN	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
296	ZBBB	ZGOW	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
297	ZBBB	ZGSZ	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
298	ZBBB	ZLXY	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
299	ZBBB	ZMUB	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
300	ZBBB	ZPPP	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
301	ZBBB	ZSAM	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
302	ZBBB	ZSFZ	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
303	ZBBB	ZSNB	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
304	ZBBB	ZSQD	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00
305	ZBBB	ZUUU	SACI32	1	1.00	LACI32	0	0.00	LACI32	0	0.00	LACI32	0	0.00

MET/IE WG/22
Appendix A to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
306	ZBBB	ZBHH	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
307	ZBBB	ZGHA	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
308	ZBBB	ZHCC	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
309	ZBBB	ZHHH	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
310	ZBBB	ZJHK	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
311	ZBBB	ZJSY	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
312	ZBBB	ZLLL	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
313	ZBBB	ZSNJ	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
314	ZBBB	ZSOF	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
315	ZBBB	ZUCK	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
316	ZBBB	ZYCC	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00
317	ZBBB	ZYHB	SACI41	1	1.00	LACI41	0	0.00	LACI41	0	0.00	LACI41	0	0.00

MET/IE WG/22
Appendix B to WP/10

APPENDIX B

**PRELIMINARY RESULTS TO REVIEW THE PERFORMANCE INDICES (PIs) USED IN APAC OPMET MONITORING –
TAF
1-30 November 2023**

PI = 0 0.0 < PI < 0.9 PI ≥ 0.9

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
1	NFFN	NCRG	FTPS31	1	1.00	LTPS31	1	1.00	LTPS31	0	0.00	LTPS31	1	1.00
2	NFFN	NFFN	FTPS31	1	0.96	LTPS31	1	0.96	LTPS31	0	0.00	LTPS31	1	0.96
3	NFFN	NFNA	FTPS31	1	1.00	LTPS31	1	1.00	LTPS31	0	0.00	LTPS31	1	1.00
4	NFFN	NFTF	FTPS31	1	1.00	LTPS31	1	1.00	LTPS31	0	0.00	LTPS31	1	1.00
5	NFFN	NFTV	FTPS31	1	0.98	LTPS31	1	0.98	LTPS31	0	0.00	LTPS31	1	0.98
6	NFFN	NGFU	FTPS31	0	0.00	LTPS31	0	0.00	LTPS31	0	0.00	LTPS31	0	0.00
7	NFFN	NGTA	FTPS31	1	1.00	LTPS31	1	1.00	LTPS31	0	0.00	LTPS31	1	1.00
8	NFFN	NIUE	FTPS31	0.97	0.78	LTPS31	0.97	0.78	LTPS31	0	0.00	LTPS31	0.97	0.78
9	NFFN	NSFA	FTPS31	1	1.00	LTPS31	1	1.00	LTPS31	0	0.00	LTPS31	1	1.00
10	NFFN	NVSS	FTPS31	1	1.00	LTPS31	1	0.99	LTPS31	0	0.00	LTPS31	1	0.99
11	NFFN	NVVV	FTPS31	1	1.00	LTPS31	1	0.99	LTPS31	0	0.00	LTPS31	1	0.99
12	NFFN	PLCH	FTPS31	1	0.99	LTPS31	1	0.99	LTPS31	0	0.00	LTPS31	1	0.99
13	NFFN	NLWW	FTPS32	1	1.00	LTPS32	1	1.00	LTPS32	0	0.00	LTPS32	1	1.00
14	NFFN	NWWW	FTPS32	1	1.00	LTPS32	1	1.00	LTPS32	0	0.00	LTPS32	1	1.00
15	NFFN	NTAA	FTPS33	1	0.96	LTPS33	1	0.96	LTPS33	0	0.00	LTPS33	1	0.96
16	NZKL	NZAA	FTNZ31	1	1.00	LTNZ31	1	1.00	LTNZ31	0	0.00	LTNZ31	1	1.00
17	NZKL	NZCH	FTNZ31	1	1.00	LTNZ31	1	1.00	LTNZ31	0	0.00	LTNZ31	1	1.00
18	NZKL	NZWN	FTNZ31	1	1.00	LTNZ31	1	1.00	LTNZ31	0	0.00	LTNZ31	1	1.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
19	NZKL	NZQN	FTNZ32	1	1.00	LTNZ32	0	0.00	LTNZ32	0	0.00	LTNZ32	0	0.00
20	OPKC	OPFA	FTPK31	1	0.78	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
21	OPKC	OPGW	FTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
22	OPKC	OPIS	FTPK31	1	0.89	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
23	OPKC	OPKC	FTPK31	1	0.94	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
24	OPKC	OPLA	FTPK31	1	0.98	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
25	OPKC	OPMT	FTPK31	1	0.93	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
26	OPKC	OPNH	FTPK31	1	0.94	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
27	OPKC	OPPS	FTPK31	1	0.97	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
28	OPKC	OPSK	FTPK31	1	0.94	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
29	OPKC	OPST	FTPK31	1	1.00	LTPK31	0	0.00	LTPK31	0	0.00	LTPK31	0	0.00
30	RJTD	RJAA	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
31	RJTD	RJBB	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
32	RJTD	RJCH	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
33	RJTD	RJGG	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
34	RJTD	RJOO	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
35	RJTD	RJSS	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
36	RJTD	RJTT	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
37	RJTD	ROAH	FTJP31	1	1.00	LTJP31	0	0.00	LTJP31	0	0.00	LTJP31	0	0.00
38	RJTD	RJCC	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
39	RJTD	RJFF	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
40	RJTD	RJFK	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
41	RJTD	RJFO	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
42	RJTD	RJFT	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
43	RJTD	RJFU	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
44	RJTD	RJNK	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
45	RJTD	RJNT	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
46	RJTD	RJOA	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
47	RJTD	RJOB	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
48	RJTD	RJOT	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
49	RJTD	RJSN	FTJP32	1	1.00	LTJP32	0	0.00	LTJP32	0	0.00	LTJP32	0	0.00
50	RJTD	RJAH	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
51	RJTD	RJCB	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
52	RJTD	RJCK	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
53	RJTD	RJCM	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
54	RJTD	RJEC	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
55	RJTD	RJFM	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
56	RJTD	RJFR	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
57	RJTD	RJFS	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
58	RJTD	RJNS	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
59	RJTD	RJOC	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
60	RJTD	RJOH	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
61	RJTD	RJOK	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
62	RJTD	RJOM	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
63	RJTD	RJSA	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
64	RJTD	RJSF	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
65	RJTD	RJSI	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
66	RJTD	RJSK	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
67	RJTD	ROIG	FTJP38	1	1.00	LTJP38	0	0.00	LTJP38	0	0.00	LTJP38	0	0.00
68	RKSI	RKJB	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
69	RKSI	RKNY	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
70	RKSI	RKPC	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
71	RKSI	RKPK	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
72	RKSI	RKSI	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
73	RKSI	RKSS	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
74	RKSI	RKTN	FTKO31	1	0.99	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
75	RKSI	RKTU	FTKO31	1	1.00	LTKO31	0	0.00	LTKO31	0	0.00	LTKO31	0	0.00
76	VABB	VAAH	FTIN31	1	0.83	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
77	VABB	VABB	FTIN31	1	0.96	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
78	VABB	VANP	FTIN31	1	0.77	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
79	VABB	VOBL	FTIN31	1	0.97	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
80	VABB	VOCB	FTIN31	1	0.94	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
81	VABB	VOCI	FTIN31	1	0.90	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
82	VABB	VOCL	FTIN31	1	0.90	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
83	VABB	VOHS	FTIN31	1	0.92	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
84	VABB	VOML	FTIN31	1	0.96	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
85	VABB	VOMM	FTIN31	1	0.98	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
86	VABB	VOTR	FTIN31	1	0.94	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
87	VABB	VOTV	FTIN31	1	0.90	LTIN31	0	0.00	LTIN31	0	0.00	LTIN31	0	0.00
88	VABB	VEBN	FTIN32	1	0.98	LTIN32	0	0.00	LTIN32	0	0.00	LTIN32	0	0.00
89	VABB	VIAR	FTIN32	1	0.98	LTIN32	0	0.00	LTIN32	0	0.00	LTIN32	0	0.00
90	VABB	VIDP	FTIN32	1	0.98	LTIN32	0	0.00	LTIN32	0	0.00	LTIN32	0	0.00
91	VABB	VIJP	FTIN32	1	1.00	LTIN32	0	0.00	LTIN32	0	0.00	LTIN32	0	0.00
92	VABB	VILK	FTIN32	1	0.98	LTIN32	0	0.00	LTIN32	0	0.00	LTIN32	0	0.00
93	VABB	VECC	FTIN33	1	0.96	LTIN33	0	0.00	LTIN33	0	0.00	LTIN33	0	0.00
94	VABB	VEGT	FTIN33	0	0.00	LTIN33	0	0.00	LTIN33	0	0.00	LTIN33	0	0.00
95	VABB	VEGY	FTIN33	0	0.00	LTIN33	0	0.00	LTIN33	0	0.00	LTIN33	0	0.00
96	VABB	VEPT	FTIN33	1	0.94	LTIN33	0	0.00	LTIN33	0	0.00	LTIN33	0	0.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
97	VABB	VRMG	FTMV31	1	0.90	LTMV31	0	0.00	LTMV31	0	0.00	LTMV31	0	0.00
98	VABB	VRMH	FTMV31	1	0.91	LTMV31	0	0.00	LTMV31	0	0.00	LTMV31	0	0.00
99	VABB	VRMM	FTMV31	1	0.91	LTMV31	0	0.00	LTMV31	0	0.00	LTMV31	0	0.00
100	VABB	VCBI	FTSB31	1	0.98	LTSB31	0	0.00	LTSB31	0	0.00	LTSB31	0	0.00
101	VABB	VCCH	FTSB31	0	0.00	LTSB31	0	0.00	LTSB31	0	0.00	LTSB31	0	0.00
102	VABB	VCRI	FTSB31	1	0.94	LTSB31	0	0.00	LTSB31	0	0.00	LTSB31	0	0.00
103	VECC	VNKT	FTAS31	1	1.00	LTAS31	0	0.00	LTAS31	0	0.00	LTAS31	0	0.00
104	VECC	VQPR	FTAS31	0	0.00	LTAS31	0	0.00	LTAS31	0	0.00	LTAS31	0	0.00
105	VECC	VGEG	FTBW31	0.03	0.00	LTBW31	0	0.00	LTBW31	0	0.00	LTBW31	0	0.00
106	VECC	VGHS	FTBW31	1	0.38	LTBW31	0	0.00	LTBW31	0	0.00	LTBW31	0	0.00
107	VECC	VGSY	FTBW31	0	0.00	LTBW31	0	0.00	LTBW31	0	0.00	LTBW31	0	0.00
108	VHHH	VHHH	FTHK31	1	1.00	LTHK31	1	0.88	LTHK31	0	0.00	LTHK31	1	0.88
109	VHHH	RCKH	FTHK32	1	1.00	LTHK32	1	1.00	LTHK32	0	0.00	LTHK32	1	1.00
110	VHHH	RCTP	FTHK32	1	1.00	LTHK32	1	1.00	LTHK32	0	0.00	LTHK32	1	1.00
111	VHHH	RPLC	FTHK32	1	1.00	LTHK32	1	1.00	LTHK32	0	0.00	LTHK32	1	1.00
112	VHHH	RPLL	FTHK32	1	1.00	LTHK32	1	1.00	LTHK32	0	0.00	LTHK32	1	1.00
113	VHHH	RPVM	FTHK32	1	1.00	LTHK32	1	1.00	LTHK32	0	0.00	LTHK32	1	1.00
114	VHHH	VMMC	FTHK32	1	1.00	LTHK32	1	1.00	LTHK32	0	0.00	LTHK32	1	1.00
115	VHHH	RCFN	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00
116	VHHH	RCMQ	FTHK33	1	0.98	LTHK33	1	0.98	LTHK33	0	0.00	LTHK33	1	0.98
117	VHHH	RCNN	FTHK33	1	0.98	LTHK33	1	0.98	LTHK33	0	0.00	LTHK33	1	0.98
118	VHHH	RCSS	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00
119	VHHH	RPLB	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00
120	VHHH	RPLI	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00
121	VHHH	RPMD	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00
122	VHHH	RPMZ	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
123	VHHH	RPVP	FTHK33	1	1.00	LTHK33	1	1.00	LTHK33	0	0.00	LTHK33	1	1.00
124	VTBB	VTBD	FTAE31	1	1.00	LTAE31	1	1.00	LTAE31	0	0.00	LTAE31	1	1.00
125	VTBB	VTBS	FTAE31	1	1.00	LTAE31	1	1.00	LTAE31	0	0.00	LTAE31	1	1.00
126	VTBB	VTBU	FTAE31	1	0.98	LTAE31	1	0.98	LTAE31	0	0.00	LTAE31	1	0.98
127	VTBB	VTCC	FTAE31	1	1.00	LTAE31	1	1.00	LTAE31	0	0.00	LTAE31	1	1.00
128	VTBB	VTSP	FTAE31	1	1.00	LTAE31	1	1.00	LTAE31	0	0.00	LTAE31	1	1.00
129	VTBB	VTSS	FTAE31	1	1.00	LTAE31	1	1.00	LTAE31	0	0.00	LTAE31	1	1.00
130	VTBB	VDPP	FTAE32	1	0.56	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
131	VTBB	VDSR	FTAE32	0.17	0.01	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
132	VTBB	VDSV	FTAE32	1	0.57	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
133	VTBB	VLVT	FTAE32	1	0.51	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
134	VTBB	VYMD	FTAE32	0.97	0.37	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
135	VTBB	VYNT	FTAE32	1	0.34	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
136	VTBB	VYYY	FTAE32	1	0.38	LTAE32	0	0.00	LTAE32	0	0.00	LTAE32	0	0.00
137	VTBB	VLLB	FTAE33	1	0.58	LTAE33	0	0.00	LTAE33	0	0.00	LTAE33	0	0.00
138	VTBB	VLLN	FTAE33	1	0.58	LTAE33	0	0.00	LTAE33	0	0.00	LTAE33	0	0.00
139	VTBB	VLPS	FTAE33	1	0.58	LTAE33	0	0.00	LTAE33	0	0.00	LTAE33	0	0.00
140	VTBB	VLSK	FTAE33	1	0.58	LTAE33	0	0.00	LTAE33	0	0.00	LTAE33	0	0.00
141	VTBB	VVCI	FTAE34	1	0.74	LTAE34	1	0.69	LTAE34	0	0.00	LTAE34	1	0.69
142	VTBB	VVCR	FTAE34	1	1.00	LTAE34	1	1.00	LTAE34	0	0.00	LTAE34	1	1.00
143	VTBB	VVCT	FTAE34	1	0.96	LTAE34	1	0.96	LTAE34	0	0.00	LTAE34	1	0.96
144	VTBB	VVDN	FTAE34	1	1.00	LTAE34	1	1.00	LTAE34	0	0.00	LTAE34	1	1.00
145	VTBB	VVNB	FTAE34	1	0.75	LTAE34	1	0.70	LTAE34	0	0.00	LTAE34	1	0.70
146	VTBB	VVPB	FTAE34	1	1.00	LTAE34	1	1.00	LTAE34	0	0.00	LTAE34	1	1.00
147	VTBB	VVPQ	FTAE34	1	0.96	LTAE34	1	0.96	LTAE34	0	0.00	LTAE34	1	0.96
148	VTBB	VVTS	FTAE34	1	0.96	LTAE34	1	0.96	LTAE34	0	0.00	LTAE34	1	0.96

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
149	VTBB	VVVD	FTAE34	1	0.74	LTAE34	0	0.00	LTAE34	0	0.00	LTAE34	0	0.00
150	VTBB	VTBO	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
151	VTBB	VTCH	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
152	VTBB	VTCL	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
153	VTBB	VTCN	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
154	VTBB	VTCP	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
155	VTBB	VTCT	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
156	VTBB	VTPB	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
157	VTBB	VTPH	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
158	VTBB	VTPM	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
159	VTBB	VTPO	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
160	VTBB	VTTP	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
161	VTBB	VTPT	FTTH31	1	1.00	LTTH31	1	1.00	LTTH31	0	0.00	LTTH31	1	1.00
162	VTBB	VTSE	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
163	VTBB	VTSC	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
164	VTBB	VTSE	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
165	VTBB	VTSE	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
166	VTBB	VTSG	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
167	VTBB	VTSM	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
168	VTBB	VTSR	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
169	VTBB	VTST	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
170	VTBB	VTST	FTTH32	1	1.00	LTTH32	1	1.00	LTTH32	0	0.00	LTTH32	1	1.00
171	VTBB	VTUD	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
172	VTBB	VTUI	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
173	VTBB	VTUK	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
174	VTBB	VTUL	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	Bulletin	TAC		IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
				Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB									
175	VTBB	VTUO	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
176	VTBB	VTUQ	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
177	VTBB	VTUU	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
178	VTBB	VTUV	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
179	VTBB	VTUW	FTTH33	1	1.00	LTTH33	1	1.00	LTTH33	0	0.00	LTTH33	1	1.00
180	WIII	WADL	FTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
181	WIII	WALL	FTID32	0.03	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
182	WIII	WAMM	FTID32	0.03	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
183	WIII	WAOO	FTID32	0.03	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
184	WIII	WIBB	FTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
185	WIII	WIDN	FTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
186	WIII	WIEE	FTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
187	WIII	WIOO	FTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
188	WIII	WIPP	FTID32	0.03	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
189	WIII	WITT	FTID32	0.03	0.00	LTID32	0	0.00	LTID32	0	0.00	LTID32	0	0.00
190	WIII	WADY	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
191	WIII	WAHS	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
192	WIII	WAJJ	FTID33	0.03	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
193	WIII	WAKK	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
194	WIII	WAPP	FTID33	0.03	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
195	WIII	WAQQ	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
196	WIII	WATT	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
197	WIII	WAYY	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
198	WIII	WILL	FTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00	LTID33	0	0.00
199	WSSS	WAAA	FTSR31	1	0.98	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
200	WSSS	WABB	FTSR31	1	0.98	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
201	WSSS	WADD	FTSR31	1	0.98	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
202	WSSS	WARR	FTSR31	1	0.98	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
203	WSSS	WIHH	FTSR31	1	1.00	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
204	WSSS	WIII	FTSR31	1	0.98	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
205	WSSS	WIMM	FTSR31	1	0.99	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
206	WSSS	WSAP	FTSR31	1	1.00	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
207	WSSS	WSSL	FTSR31	1	1.00	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
208	WSSS	WSSS	FTSR31	1	1.00	LTSR31	0	0.00	LTSR31	0	0.00	LTSR31	0	0.00
209	WSSS	WMKD	FTSR32	0.03	0.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
210	WSSS	WMKJ	FTSR32	1	1.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
211	WSSS	WMKK	FTSR32	1	1.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
212	WSSS	WMKL	FTSR32	1	1.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
213	WSSS	WMKM	FTSR32	1	1.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
214	WSSS	WMKP	FTSR32	1	1.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
215	WSSS	WMSA	FTSR32	1	1.00	LTSR32	0	0.00	LTSR32	0	0.00	LTSR32	0	0.00
216	WSSS	WBGB	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
217	WSSS	WBGG	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
218	WSSS	WBGR	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
219	WSSS	WBGs	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
220	WSSS	WBKK	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
221	WSSS	WBKL	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
222	WSSS	WBKS	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
223	WSSS	WBKW	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
224	WSSS	WBSB	FTSR33	1	1.00	LTSR33	0	0.00	LTSR33	0	0.00	LTSR33	0	0.00
225	YBBN	YBBN	FTAU31	1	0.99	LTAU31	0	0.00	LTAU31	1	0.99	LTAU31	1	0.99
226	YBBN	YBCG	FTAU31	1	1.00	LTAU31	0	0.00	LTAU31	1	1.00	LTAU31	1	1.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
227	YBBN	YBCS	FTAU31	1	1.00	LTAU31	0	0.00	LTAU31	1	1.00	LTAU31	1	1.00
228	YBBN	YMHB	FTAU31	1	0.98	LTAU31	0	0.00	LTAU31	1	0.98	LTAU31	1	0.98
229	YBBN	YMLL	FTAU31	1	0.98	LTAU31	0	0.00	LTAU31	1	0.98	LTAU31	1	0.98
230	YBBN	YPAD	FTAU31	1	1.00	LTAU31	0	0.00	LTAU31	1	1.00	LTAU31	1	1.00
231	YBBN	YPDN	FTAU31	1	1.00	LTAU31	0	0.00	LTAU31	1	1.00	LTAU31	1	1.00
232	YBBN	YPPH	FTAU31	1	0.99	LTAU31	0	0.00	LTAU31	1	0.99	LTAU31	1	0.99
233	YBBN	YSCB	FTAU31	1	0.99	LTAU31	0	0.00	LTAU31	1	0.99	LTAU31	1	0.99
234	YBBN	YSSY	FTAU31	1	1.00	LTAU31	0	0.00	LTAU31	1	1.00	LTAU31	1	1.00
235	YBBN	YBAS	FTAU32	1	0.98	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
236	YBBN	YBLN	FTAU32	1	1.00	LTAU32	0	0.00	LTAU32	1	1.00	LTAU32	1	1.00
237	YBBN	YBRK	FTAU32	1	0.98	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
238	YBBN	YBRM	FTAU32	1	0.98	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
239	YBBN	YBSU	FTAU32	1	1.00	LTAU32	0	0.00	LTAU32	1	1.00	LTAU32	1	1.00
240	YBBN	YBWW	FTAU32	1	0.99	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
241	YBBN	YCFS	FTAU32	1	0.98	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
242	YBBN	YLHI	FTAU32	1	0.99	LTAU32	0	0.00	LTAU32	1	0.99	LTAU32	1	0.99
243	YBBN	YMAV	FTAU32	1	0.97	LTAU32	0	0.00	LTAU32	1	0.96	LTAU32	1	0.96
244	YBBN	YMLT	FTAU32	1	0.99	LTAU32	0	0.00	LTAU32	1	0.97	LTAU32	1	0.97
245	YBBN	YPCC	FTAU32	1	0.99	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
246	YBBN	YPKG	FTAU32	1	1.00	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
247	YBBN	YPLM	FTAU32	1	0.97	LTAU32	0	0.00	LTAU32	1	0.96	LTAU32	1	0.96
248	YBBN	YPPD	FTAU32	1	0.98	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
249	YBBN	YPXM	FTAU32	1	0.98	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
250	YBBN	YSNF	FTAU32	1	0.99	LTAU32	0	0.00	LTAU32	1	0.98	LTAU32	1	0.98
251	YBBN	YGEL	FTAU33	1	0.98	LTAU33	0	0.00	LTAU33	1	0.97	LTAU33	1	0.97
252	YBBN	YGLA	FTAU33	1	0.96	LTAU33	0	0.00	LTAU33	1	0.96	LTAU33	1	0.96

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
253	YBBN	YHID	FTAU33	1	0.99	LTAU33	0	0.00	LTAU33	1	0.99	LTAU33	1	0.99
254	YBBN	YPJT	FTAU33	1	0.98	LTAU33	0	0.00	LTAU33	1	0.96	LTAU33	1	0.96
255	YBBN	YPWR	FTAU33	1	0.96	LTAU33	0	0.00	LTAU33	1	0.96	LTAU33	1	0.96
256	YBBN	YSDU	FTAU33	1	0.96	LTAU33	0	0.00	LTAU33	1	0.96	LTAU33	1	0.96
257	YBBN	YSRI	FTAU33	1	0.97	LTAU33	0	0.00	LTAU33	1	0.97	LTAU33	1	0.97
258	YBBN	YSTW	FTAU33	1	0.97	LTAU33	0	0.00	LTAU33	1	0.96	LTAU33	1	0.96
259	YBBN	YBHM	FTAU34	1	0.96	LTAU34	0	0.00	LTAU34	1	0.96	LTAU34	1	0.96
260	YBBN	YBMA	FTAU34	1	0.97	LTAU34	0	0.00	LTAU34	1	0.97	LTAU34	1	0.97
261	YBBN	YCIN	FTAU35	1	0.93	LTAU35	0	0.00	LTAU35	1	0.93	LTAU35	1	0.93
262	YBBN	YFRT	FTAU35	1	0.93	LTAU35	0	0.00	LTAU35	1	0.93	LTAU35	1	0.93
263	YBBN	YPGV	FTAU35	1	0.99	LTAU35	0	0.00	LTAU35	1	0.99	LTAU35	1	0.99
264	YBBN	YPKU	FTAU35	1	0.93	LTAU35	0	0.00	LTAU35	1	0.93	LTAU35	1	0.93
265	YBBN	YAMB	FTAU36	1	0.93	LTAU36	0	0.00	LTAU36	1	0.93	LTAU36	1	0.93
266	YBBN	YBTL	FTAU36	1	0.93	LTAU36	0	0.00	LTAU36	1	0.93	LTAU36	1	0.93
267	YBBN	YPEA	FTAU36	1	0.84	LTAU36	0	0.00	LTAU36	1	0.84	LTAU36	1	0.84
268	YBBN	YPTN	FTAU36	1	0.84	LTAU36	0	0.00	LTAU36	1	0.84	LTAU36	1	0.84
269	YBBN	YWLM	FTAU36	1	0.97	LTAU36	0	0.00	LTAU36	1	0.97	LTAU36	1	0.97
270	YBBN	AGGH	FTNG31	0.9	0.32	LTNG31	0.9	0.32	LTNG31	0	0.00	LTNG31	0.9	0.32
271	YBBN	ANYN	FTNG31	0.97	0.38	LTNG31	0.97	0.38	LTNG31	0	0.00	LTNG31	0.97	0.38
272	YBBN	AYMH	FTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00
273	YBBN	AYMO	FTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00
274	YBBN	AYNZ	FTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00
275	YBBN	AYPY	FTNG31	1	0.41	LTNG31	1	0.42	LTNG31	0	0.00	LTNG31	1	0.42
276	YBBN	AYVN	FTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00
277	YBBN	AYWK	FTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00	LTNG31	0	0.00
278	YBBN	WPDL	FTTM31	1	0.98	LTTM31	0	0.00	LTTM31	0	0.00	LTTM31	0	0.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	Bulletin	TAC		IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
				Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB									
279	ZBBB	ZBAA	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
280	ZBBB	ZBSJ	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
281	ZBBB	ZBTJ	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
282	ZBBB	ZBYN	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
283	ZBBB	ZGGG	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
284	ZBBB	ZMCK	FTCI31	1	0.01	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
285	ZBBB	ZSHC	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
286	ZBBB	ZSPD	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
287	ZBBB	ZSSS	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
288	ZBBB	ZWSH	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
289	ZBBB	ZWWW	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
290	ZBBB	ZYTL	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
291	ZBBB	ZYTX	FTCI31	1	0.00	LTCI31	0	0.00	LTCI31	0	0.00	LTCI31	0	0.00
292	ZBBB	ZGKL	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
293	ZBBB	ZGNN	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
294	ZBBB	ZGOW	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
295	ZBBB	ZGSZ	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
296	ZBBB	ZLXY	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
297	ZBBB	ZMUB	FTCI32	1	0.02	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
298	ZBBB	ZPPP	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
299	ZBBB	ZSAM	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
300	ZBBB	ZSFZ	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
301	ZBBB	ZSNB	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
302	ZBBB	ZSQD	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
303	ZBBB	ZUUU	FTCI32	1	0.00	LTCI32	0	0.00	LTCI32	0	0.00	LTCI32	0	0.00
304	ZBBB	ZBHH	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00

MET/IE WG/22
Appendix B to WP/10

No.	RODB	Aerodrome	TAC			IWXXM V 3.0			IWXXM V 2021-2			IWXXM V 3.0 or 2021-2		
			Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness	Bulletin	Availability	Timeliness
				VTBB	VTBB		VTBB	VTBB		VTBB	VTBB		VTBB	VTBB
305	ZBBB	ZGHA	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
306	ZBBB	ZHCC	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
307	ZBBB	ZHHH	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
308	ZBBB	ZJHK	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
309	ZBBB	ZJSY	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
310	ZBBB	ZLLL	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
311	ZBBB	ZSNJ	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
312	ZBBB	ZSOF	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
313	ZBBB	ZUCK	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
314	ZBBB	ZYCC	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00
315	ZBBB	ZYHB	FTCI41	1	0.00	LTCI41	0	0.00	LTCI41	0	0.00	LTCI41	0	0.00