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*International Civil Aviation Organization***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**ANALYSIS OF IWXXM-SPECIFIC STATISTICS RESULTS**

(Presented by Thailand)

SUMMARY

This paper presents the monitoring results of IWXXM-specific statistics at RODB Bangkok with an analysis of IWXXM validation.

1. INTRODUCTION

1.1 The *Guidelines for the Implementation of OPMET Data Exchange Using IWXXM* suggests that IWXXM statistics should be collected by ROCs, IROGs, and/or RODBs. This monitoring results focus on providing IWXXM-specific statistics, e.g., model version, validation success rate and extension.

1.2 RODB Bangkok conducted and analysed the results of an IWXXM monitoring during 1-30 November 2023. The IWXXM-specific statistics results are in Appendix A-D.

2. DISCUSSION

2.1 The software tool used at RODB Bangkok for IWXXM validation to ensure compliance test is derived from the validation tool called *Command-line Refuter of Unshapely XML (CRUX)*, which is recommended in the Guidelines.

Validation issues

2.2 In response to MET/IE WG/21 action item 08, RODB Bangkok investigated the issue of validating IWXXM v2021-2 messages and found that most of the received IWXXM v2021-2 messages did not pass validation due to reference of AIXM profiles in the schema location where some AIXM data types were missing from the profiles.

2.3 In IWXXM v3.0, there are still some validation issues caused by the following reasons:

- Missing required id attribute in several elements;
- Invalid attribute included in the element, for example nil="true";
- Incorrect element names; and
- Known issues that affect operational versions as described in <https://github.com/wmo-im/iwxxm/wiki/Confirmed-Issues-That-May-Affect-Operational-Versions>.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) provide feedback on the analysis.

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**APPENDIX A – RODB BANGKOK’S IWXXM-SPECIFIC STATISTICS
FOR METAR AND TAF DURING 1-30 NOVEMBER 2023**

No.	Aerodrome	AOP	Type	Bulletin	Robex Centre	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
1	AGGH	AOP	LT	NG31	YBBN	3.0	62	62 (100.00%)	0 (0.00%)	59 (95.16%)	0 (0.00%)
2	AGGH	AOP	LA	NG31	YBBN	3.0	851	843 (99.06%)	0 (0.00%)	114 (13.40%)	0 (0.00%)
3	ANYN	NON AOP	LA	NG31	YBBN	3.0	720	714 (99.17%)	0 (0.00%)	14 (1.94%)	0 (0.00%)
4	ANYN	NON AOP	LT	NG31	YBBN	3.0	71	71 (100.00%)	0 (0.00%)	25 (35.21%)	0 (0.00%)
5	AYGN	NON AOP	LA	NG31	YBBN	3.0	712	706 (99.16%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
6	AYMH	NON AOP	LA	NG31	YBBN	3.0	825	817 (99.03%)	0 (0.00%)	30 (3.64%)	0 (0.00%)
7	AYMO	NON AOP	LA	NG31	YBBN	3.0	712	706 (99.16%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
8	AYNZ	NON AOP	LA	NG31	YBBN	3.0	842	834 (99.05%)	0 (0.00%)	12 (1.43%)	0 (0.00%)
9	AYPY	AOP	LA	NG31	YBBN	3.0	899	892 (99.22%)	0 (0.00%)	15 (1.67%)	0 (0.00%)
10	AYPY	AOP	LT	NG31	YBBN	3.0	83	81 (97.59%)	0 (0.00%)	3 (3.61%)	0 (0.00%)
11	AYVN	AOP	LA	NG31	YBBN	3.0	712	706 (99.16%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
12	AYWK	NON AOP	LA	NG31	YBBN	3.0	712	706 (99.16%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
13	NCRG	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
14	NCRG	AOP	LA	PS31	NFFN	3.0	720	719 (99.86%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
15	NFFN	AOP	LA	PS31	NFFN	3.0	720	719 (99.86%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
16	NFFN	AOP	LT	PS31	NFFN	3.0	122	122 (100.00%)	0 (0.00%)	5 (4.10%)	0 (0.00%)
17	NFNA	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	2 (1.65%)	0 (0.00%)
18	NFNA	AOP	LA	PS31	NFFN	3.0	720	719 (99.86%)	0 (0.00%)	19 (2.64%)	0 (0.00%)
19	NFTF	AOP	LA	PS31	NFFN	3.0	721	720 (99.86%)	0 (0.00%)	17 (2.36%)	0 (0.00%)
20	NFTF	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	3 (2.48%)	0 (0.00%)
21	NFTL	NON AOP	LA	PS31	NFFN	3.0	721	720 (99.86%)	0 (0.00%)	1 (0.14%)	0 (0.00%)
22	NFTV	AOP	LA	PS31	NFFN	3.0	721	720 (99.86%)	0 (0.00%)	13 (1.80%)	0 (0.00%)
23	NFTV	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
24	NGFU	AOP	LA	PS31	NFFN	3.0	721	720 (99.86%)	0 (0.00%)	22 (3.05%)	0 (0.00%)
25	NGTA	AOP	LA	PS31	NFFN	3.0	723	722 (99.86%)	0 (0.00%)	17 (2.35%)	0 (0.00%)
26	NGTA	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	1 (0.83%)	0 (0.00%)
27	NIUE	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
28	NIUE	AOP	LA	PS31	NFFN	3.0	720	719 (99.86%)	0 (0.00%)	17 (2.36%)	0 (0.00%)
29	NLWW	AOP	LA	PS32	NFFN	3.0	720	720 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
30	NLWW	AOP	LT	PS32	NFFN	3.0	143	143 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
31	NSFA	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
32	NSFA	AOP	LA	PS31	NFFN	3.0	725	724 (99.86%)	0 (0.00%)	6 (0.83%)	0 (0.00%)

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No.	Aerodrome	AOP	Type	Bulletin	Robex Centre	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
33	NTAA	AOP	LA	PS33	NFFN	3.0	723	723 (100.00%)	0 (0.00%)	3 (0.41%)	0 (0.00%)
34	NTAA	AOP	LT	PS33	NFFN	3.0	129	129 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
35	NVSS	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	5 (4.13%)	0 (0.00%)
36	NVSS	AOP	LA	PS31	NFFN	3.0	720	719 (99.86%)	0 (0.00%)	1 (0.14%)	0 (0.00%)
37	NVVV	AOP	LA	PS31	NFFN	3.0	724	723 (99.86%)	0 (0.00%)	5 (0.69%)	0 (0.00%)
38	NVVV	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	4 (3.31%)	0 (0.00%)
39	NWWW	AOP	LT	PS32	NFFN	3.0	143	143 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
40	NWWW	AOP	LA	PS32	NFFN	3.0	720	720 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
41	NZAA	AOP	LA	NZ31	NZKL	3.0	1440	1440 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
42	NZAA	AOP	LT	NZ31	NZKL	3.0	248	235 (94.76%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
43	NZCH	AOP	LT	NZ31	NZKL	3.0	267	251 (94.01%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
44	NZCH	AOP	LA	NZ31	NZKL	3.0	1440	1440 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
45	NZWN	AOP	LA	NZ31	NZKL	3.0	1440	1440 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
46	NZWN	AOP	LT	NZ31	NZKL	3.0	260	247 (95.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
47	PLCH	AOP	LT	PS31	NFFN	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
48	PLCH	AOP	LA	PS31	NFFN	3.0	722	721 (99.86%)	0 (0.00%)	8 (1.11%)	0 (0.00%)
49	RCFN	NON AOP	LA	HK31	VHHH	3.0	1441	1441 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
50	RCFN	NON AOP	LT	HK33	VHHH	3.0	120	120 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
51	RCKH	AOP	LT	HK32	VHHH	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
52	RCKH	AOP	LA	HK31	VHHH	3.0	1441	1441 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
53	RCMQ	NON AOP	LT	HK33	VHHH	3.0	124	124 (100.00%)	0 (0.00%)	2 (1.61%)	0 (0.00%)
54	RCMQ	NON AOP	LA	HK31	VHHH	3.0	1446	1446 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
55	RCNN	NON AOP	LT	HK33	VHHH	3.0	125	125 (100.00%)	0 (0.00%)	5 (4.00%)	0 (0.00%)
56	RCNN	NON AOP	LA	HK31	VHHH	3.0	1451	1451 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
57	RCSS	AOP	LA	HK31	VHHH	3.0	1442	1442 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
58	RCSS	AOP	LT	HK33	VHHH	3.0	122	122 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
59	RCTP	AOP	LT	HK32	VHHH	3.0	123	123 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
60	RCTP	AOP	LA	HK31	VHHH	3.0	1441	1441 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
61	RPLB	AOP	LA	HK31	VHHH	3.0	754	754 (100.00%)	0 (0.00%)	6 (0.80%)	0 (0.00%)
62	RPLB	AOP	LT	HK33	VHHH	3.0	122	122 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
63	RPLC	AOP	LA	HK31	VHHH	3.0	755	755 (100.00%)	0 (0.00%)	13 (1.72%)	0 (0.00%)
64	RPLC	AOP	LT	HK32	VHHH	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
65	RPLI	AOP	LA	HK31	VHHH	3.0	743	743 (100.00%)	0 (0.00%)	6 (0.81%)	0 (0.00%)
66	RPLI	AOP	LT	HK33	VHHH	3.0	123	123 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
67	RPLL	AOP	LT	HK32	VHHH	3.0	122	122 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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68	RPLL	AOP	LA	HK31	VHHH	3.0	765	765 (100.00%)	0 (0.00%)	10 (1.31%)	0 (0.00%)
69	RPMD	AOP	LA	HK31	VHHH	3.0	753	753 (100.00%)	0 (0.00%)	5 (0.66%)	0 (0.00%)
70	RPMD	AOP	LT	HK33	VHHH	3.0	122	122 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
71	RPMZ	AOP	LT	HK33	VHHH	3.0	123	123 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
72	RPMZ	AOP	LA	HK31	VHHH	3.0	749	749 (100.00%)	0 (0.00%)	2 (0.27%)	0 (0.00%)
73	RPVM	AOP	LT	HK32	VHHH	3.0	122	122 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
74	RPVM	AOP	LA	HK31	VHHH	3.0	756	756 (100.00%)	0 (0.00%)	9 (1.19%)	0 (0.00%)
75	RPVP	AOP	LA	HK31	VHHH	3.0	746	746 (100.00%)	0 (0.00%)	2 (0.27%)	0 (0.00%)
76	RPVP	AOP	LT	HK33	VHHH	3.0	122	122 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
77	VHHH	AOP	LT	HK31	VHHH	3.0	214	214 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
78	VHHH	AOP	LA	HK31	VHHH	3.0	1440	1440 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
79	VMMC	AOP	LA	HK31	VHHH	3.0	1444	1444 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
80	VMMC	AOP	LT	HK32	VHHH	3.0	121	121 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
81	VTBD	AOP	LT	AE31	VTBB	3.0	120	83 (69.17%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
82	VTBD	AOP	LA	AE31	VTBB	3.0	1459	1459 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
83	VTBO	NON AOP	LA	TH31	VTBB	3.0	732	732 (100.00%)	0 (0.00%)	2 (0.27%)	0 (0.00%)
84	VTBO	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
85	VTBS	AOP	LT	AE31	VTBB	3.0	121	84 (69.42%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
86	VTBS	AOP	LA	AE31	VTBB	3.0	1458	1458 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
87	VTBU	AOP	LA	AE31	VTBB	3.0	1474	1474 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
88	VTBU	AOP	LT	AE31	VTBB	3.0	124	87 (70.16%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
89	VTCC	AOP	LT	AE31	VTBB	3.0	126	89 (70.63%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
90	VTCC	AOP	LA	AE31	VTBB	3.0	1476	1476 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
91	VTCH	NON AOP	LA	TH31	VTBB	3.0	725	725 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
92	VTCH	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
93	VTCL	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
94	VTCL	NON AOP	LA	TH31	VTBB	3.0	725	725 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
95	VTCN	NON AOP	LA	TH31	VTBB	3.0	726	726 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
96	VTCN	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
97	VTCP	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
98	VTCP	NON AOP	LA	TH31	VTBB	3.0	724	724 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
99	VTCT	AOP	LA	TH31	VTBB	3.0	729	729 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
100	VTCT	AOP	LT	TH31	VTBB	3.0	121	13 (10.74%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
101	VTPB	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
102	VTPB	NON AOP	LA	TH31	VTBB	3.0	726	726 (100.00%)	0 (0.00%)	1 (0.14%)	0 (0.00%)
103	VTPH	NON AOP	LA	TH31	VTBB	3.0	759	759 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
104	VTPH	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
105	VTPM	NON AOP	LT	TH31	VTBB	3.0	121	13 (10.74%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
106	VTPM	NON AOP	LA	TH31	VTBB	3.0	722	722 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

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107	VTPO	NON AOP	LA	TH31	VTBB	3.0	724	724 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
108	VTPO	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
109	VTTP	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
110	VTTP	NON AOP	LA	TH31	VTBB	3.0	726	726 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
111	VTPT	NON AOP	LA	TH31	VTBB	3.0	729	729 (100.00%)	0 (0.00%)	419 (57.48%)	0 (0.00%)
112	VTPT	NON AOP	LT	TH31	VTBB	3.0	120	12 (10.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
113	VTSB	AOP	LT	TH32	VTBB	3.0	120	24 (20.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
114	VTSB	AOP	LA	TH32	VTBB	3.0	730	730 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
115	VTSC	NON AOP	LA	TH32	VTBB	3.0	729	729 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
116	VTSC	NON AOP	LT	TH32	VTBB	3.0	120	24 (20.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
117	VTSE	NON AOP	LT	TH32	VTBB	3.0	120	24 (20.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
118	VTSE	NON AOP	LA	TH32	VTBB	3.0	723	723 (100.00%)	0 (0.00%)	2 (0.28%)	0 (0.00%)
119	VTSF	NON AOP	LA	TH32	VTBB	3.0	740	740 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
120	VTSF	NON AOP	LT	TH32	VTBB	3.0	121	25 (20.66%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
121	VTSG	AOP	LT	TH32	VTBB	3.0	123	26 (21.14%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
122	VTSG	AOP	LA	TH32	VTBB	3.0	735	735 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
123	VTSM	AOP	LA	TH32	VTBB	3.0	735	735 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
124	VTSM	AOP	LT	TH32	VTBB	3.0	120	24 (20.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
125	VTSP	AOP	LT	AE31	VTBB	3.0	123	86 (69.92%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
126	VTSP	AOP	LA	AE31	VTBB	3.0	1451	1451 (100.00%)	0 (0.00%)	2 (0.14%)	0 (0.00%)
127	VTSR	NON AOP	LA	TH32	VTBB	3.0	852	852 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
128	VTSR	NON AOP	LT	TH32	VTBB	3.0	122	26 (21.31%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
129	VTSS	AOP	LT	AE31	VTBB	3.0	120	83 (69.17%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
130	VTSS	AOP	LA	AE31	VTBB	3.0	1458	1458 (100.00%)	0 (0.00%)	46 (3.16%)	0 (0.00%)
131	VTST	NON AOP	LA	TH32	VTBB	3.0	728	728 (100.00%)	0 (0.00%)	1 (0.14%)	0 (0.00%)
132	VTST	NON AOP	LT	TH32	VTBB	3.0	122	26 (21.31%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
133	VTSY	NON AOP	LT	TH32	VTBB	3.0	120	24 (20.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
134	VTSY	NON AOP	LA	TH32	VTBB	3.0	721	721 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
135	VTUD	NON AOP	LA	TH33	VTBB	3.0	735	735 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
136	VTUD	NON AOP	LT	TH33	VTBB	3.0	121	83 (68.60%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
137	VTUI	NON AOP	LT	TH33	VTBB	3.0	121	83 (68.60%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
138	VTUI	NON AOP	LA	TH33	VTBB	3.0	732	732 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
139	VTUK	AOP	LA	TH33	VTBB	3.0	726	726 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
140	VTUK	AOP	LT	TH33	VTBB	3.0	121	83 (68.60%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
141	VTUL	NON AOP	LT	TH33	VTBB	3.0	121	83 (68.60%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
142	VTUL	NON AOP	LA	TH33	VTBB	3.0	734	734 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
143	VTUO	NON AOP	LA	TH33	VTBB	3.0	736	736 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
144	VTUO	NON AOP	LT	TH33	VTBB	3.0	120	82 (68.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
145	VTUQ	NON AOP	LT	TH33	VTBB	3.0	120	82 (68.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
146	VTUQ	NON AOP	LA	TH33	VTBB	3.0	742	742 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
147	VTUU	AOP	LA	TH33	VTBB	3.0	727	727 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

MET/IE WG/22
Appendix A to WP/09

No.	Aerodrome	AOP	Type	Bulletin	Robex Centre	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
148	VTUU	AOP	LT	TH33	VTBB	3.0	120	82 (68.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
149	VTUV	NON AOP	LT	TH33	VTBB	3.0	120	82 (68.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
150	VTUV	NON AOP	LA	TH33	VTBB	3.0	722	722 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
151	VTUW	NON AOP	LA	TH33	VTBB	3.0	748	748 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
152	VTUW	NON AOP	LT	TH33	VTBB	3.0	121	83 (68.60%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
153	WSAP	AOP	LA	MS31	WMKK	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
154	WSSS	AOP	LA	MS31	WMKK	3.0	1450	1450 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
155	YAMB	NON AOP	LA	AU36	YBBN	2021-2	1476	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
156	YAMB	NON AOP	LT	AU36	YBBN	2021-2	343	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
157	YBAS	AOP	LT	AU32	YBBN	2021-2	216	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
158	YBAS	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
159	YBBN	AOP	LT	AU31	YBBN	2021-2	334	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
160	YBBN	AOP	LA	AU31	YBBN	2021-2	1457	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
161	YBCG	AOP	LT	AU31	YBBN	2021-2	313	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
162	YBCG	AOP	LA	AU31	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
163	YBCS	AOP	LT	AU31	YBBN	2021-2	285	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
164	YBCS	AOP	LA	AU31	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
165	YBHM	NON AOP	LA	AU34	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
166	YBHM	NON AOP	LT	AU34	YBBN	2021-2	157	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
167	YBLN	NON AOP	LT	AU32	YBBN	2021-2	192	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
168	YBLN	NON AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
169	YBMA	NON AOP	LT	AU34	YBBN	2021-2	162	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
170	YBMA	NON AOP	LA	AU34	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
171	YBRK	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
172	YBRK	AOP	LT	AU32	YBBN	2021-2	183	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
173	YBRM	AOP	LT	AU32	YBBN	2021-2	145	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
174	YBRM	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
175	YBSU	AOP	LT	AU32	YBBN	2021-2	186	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
176	YBSU	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
177	YBTL	AOP	LA	AU36	YBBN	2021-2	1504	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
178	YBTL	AOP	LT	AU36	YBBN	2021-2	287	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
179	YBWW	AOP	LT	AU32	YBBN	2021-2	216	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
180	YBWW	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
181	YCFS	AOP	LT	AU32	YBBN	2021-2	210	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
182	YCFS	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
183	YCIN	NON AOP	LA	AU35	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
184	YCIN	NON AOP	LT	AU35	YBBN	2021-2	198	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
185	YFRT	NON AOP	LT	AU35	YBBN	2021-2	258	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
186	YFRT	NON AOP	LA	AU35	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
187	YGEL	AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
188	YGEL	AOP	LT	AU33	YBBN	2021-2	236	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
189	YGLA	NON AOP	LT	AU33	YBBN	2021-2	176	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
190	YGLA	NON AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
191	YHID	AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
192	YHID	AOP	LT	AU33	YBBN	2021-2	141	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
193	YLHI	AOP	LT	AU32	YBBN	2021-2	195	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
194	YLHI	AOP	LA	AU32	YBBN	2021-2	1476	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
195	YMAV	AOP	LT	AU32	YBBN	2021-2	224	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
196	YMAV	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

MET/IE WG/22
Appendix A to WP/09

No.	Aerodrome	AOP	Type	Bulletin	Robex Centre	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
197	YMHB	AOP	LA	AU31	YBBN	2021-2	1498	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
198	YMHB	AOP	LT	AU31	YBBN	2021-2	330	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
199	YMLT	AOP	LT	AU32	YBBN	2021-2	192	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
200	YMLT	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
201	YMML	AOP	LT	AU31	YBBN	2021-2	396	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
202	YMML	AOP	LA	AU31	YBBN	2021-2	1501	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
203	YPAD	AOP	LT	AU31	YBBN	2021-2	325	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
204	YPAD	AOP	LA	AU31	YBBN	2021-2	1563	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
205	YPCC	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
206	YPCC	AOP	LT	AU32	YBBN	2021-2	124	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
207	YPDN	AOP	LT	AU31	YBBN	2021-2	348	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
208	YPDN	AOP	LA	AU31	YBBN	2021-2	1541	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
209	YPEA	NON AOP	LA	AU36	YBBN	2021-2	1455	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
210	YPEA	NON AOP	LT	AU36	YBBN	2021-2	321	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
211	YPGV	NON AOP	LT	AU35	YBBN	2021-2	171	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
212	YPGV	NON AOP	LA	AU35	YBBN	2021-2	1441	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
213	YPJT	NON AOP	LT	AU33	YBBN	2021-2	204	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
214	YPJT	NON AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
215	YPKG	AOP	LT	AU32	YBBN	2021-2	180	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
216	YPKG	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
217	YPKU	NON AOP	LA	AU35	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
218	YPKU	NON AOP	LT	AU35	YBBN	2021-2	204	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
219	YPLM	AOP	LT	AU32	YBBN	2021-2	187	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
220	YPLM	AOP	LA	AU32	YBBN	2021-2	1444	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
221	YPPD	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
222	YPPD	AOP	LT	AU32	YBBN	2021-2	170	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
223	YPPH	AOP	LT	AU31	YBBN	2021-2	358	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
224	YPPH	AOP	LA	AU31	YBBN	2021-2	1533	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
225	YPTN	AOP	LT	AU36	YBBN	2021-2	279	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
226	YPTN	AOP	LA	AU36	YBBN	2021-2	1451	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
227	YPWR	NON AOP	LT	AU33	YBBN	2021-2	182	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
228	YPWR	NON AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
229	YPXM	AOP	LA	AU32	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
230	YPXM	AOP	LT	AU32	YBBN	2021-2	192	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
231	YSCB	AOP	LT	AU31	YBBN	2021-2	374	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
232	YSCB	AOP	LA	AU31	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
233	YSDU	NON AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
234	YSDU	NON AOP	LT	AU33	YBBN	2021-2	201	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
235	YSNF	AOP	LT	AU32	YBBN	2021-2	147	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
236	YSNF	AOP	LA	AU32	YBBN	2021-2	1451	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
237	YSRI	NON AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
238	YSRI	NON AOP	LT	AU33	YBBN	2021-2	223	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
239	YSSY	AOP	LT	AU31	YBBN	2021-2	374	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
240	YSSY	AOP	LA	AU31	YBBN	2021-2	1473	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
241	YSTW	NON AOP	LT	AU33	YBBN	2021-2	190	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
242	YSTW	NON AOP	LA	AU33	YBBN	2021-2	1440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
243	YWLM	AOP	LT	AU36	YBBN	2021-2	366	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
244	YWLM	AOP	LA	AU36	YBBN	2021-2	1493	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

MET/IE WG/22
Appendix B to WP/09

**APPENDIX B – RODB BANGKOK’S IWXXM-SPECIFIC STATISTICS
FOR SPECI DURING 1-30 NOVEMBER 2023**

No.	Aerodrome	AOP	Type	Bulletin	ROC	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
1	NFFN	AOP	LP	PS31	NFFN	3.0	19	19 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
2	NSTU	AOP	LP	-	-	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
3	RCFN	NON AOP	LP	HK31	VHHH	3.0	30	30 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
4	RCKH	AOP	LP	HK31	VHHH	3.0	50	50 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
5	RCMQ	NON AOP	LP	HK31	VHHH	3.0	24	24 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
6	RCNN	NON AOP	LP	HK31	VHHH	3.0	32	32 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
7	RCSS	AOP	LP	HK31	VHHH	3.0	100	100 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
8	RCTP	AOP	LP	HK31	VHHH	3.0	163	163 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
9	RPLB	AOP	LP	HK31	VHHH	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
10	RPLL	AOP	LP	HK31	VHHH	3.0	9	9 (100.00%)	0 (0.00%)	1 (11.11%)	0 (0.00%)
11	RPMD	AOP	LP	HK31	VHHH	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
12	RPVM	AOP	LP	HK31	VHHH	3.0	19	19 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
13	VHHH	AOP	LP	HK31	VHHH	3.0	17	17 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
14	VTBD	AOP	LP	AE31	VTBB	3.0	12	12 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
15	VTBO	NON AOP	LP	TH31	VTBB	3.0	19	19 (100.00%)	0 (0.00%)	4 (21.05%)	0 (0.00%)
16	VTBS	AOP	LP	AE31	VTBB	3.0	28	28 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
17	VTBU	AOP	LP	AE31	VTBB	3.0	18	18 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
18	VTCC	AOP	LP	AE31	VTBB	3.0	15	15 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
19	VTCH	NON AOP	LP	TH31	VTBB	3.0	26	26 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
20	VTCL	NON AOP	LP	TH31	VTBB	3.0	16	16 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
21	VTCN	NON AOP	LP	TH31	VTBB	3.0	17	17 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
22	VTCP	NON AOP	LP	TH31	VTBB	3.0	12	12 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
23	VTCT	AOP	LP	TH31	VTBB	3.0	17	17 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
24	VTPB	NON AOP	LP	TH31	VTBB	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
25	VTPM	NON AOP	LP	TH31	VTBB	3.0	5	5 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
26	VTPO	NON AOP	LP	TH31	VTBB	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
27	VTPT	NON AOP	LP	TH31	VTBB	3.0	1	1 (100.00%)	0 (0.00%)	1 (100.00%)	0 (0.00%)
28	VTSB	AOP	LP	TH32	VTBB	3.0	35	35 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
29	VTSC	NON AOP	LP	TH32	VTBB	3.0	38	38 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
30	VTSE	NON AOP	LP	TH32	VTBB	3.0	22	22 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
31	VTSF	NON AOP	LP	TH32	VTBB	3.0	143	143 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
32	VTSG	AOP	LP	TH32	VTBB	3.0	96	96 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
33	VTSM	AOP	LP	TH32	VTBB	3.0	75	75 (100.00%)	0 (0.00%)	4 (5.33%)	0 (0.00%)
34	VTSP	AOP	LP	AE31	VTBB	3.0	22	22 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
35	VTSR	NON AOP	LP	TH32	VTBB	3.0	11	11 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
36	VTSS	AOP	LP	AE31	VTBB	3.0	61	61 (100.00%)	0 (0.00%)	10 (16.39%)	0 (0.00%)
37	VTST	NON AOP	LP	TH32	VTBB	3.0	27	27 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
38	VTSY	NON AOP	LP	TH32	VTBB	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
39	VTUD	NON AOP	LP	TH33	VTBB	3.0	8	8 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
40	VTUI	NON AOP	LP	TH33	VTBB	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
41	VTUL	NON AOP	LP	TH33	VTBB	3.0	16	16 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
42	VTUO	NON AOP	LP	TH33	VTBB	3.0	2	2 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
43	VTUU	AOP	LP	TH33	VTBB	3.0	1	1 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
44	WSSS	AOP	LP	MS31	WMKK	3.0	69	69 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
45	YAMB	NON AOP	LP	AU36	YBBN	2021-2	424	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
46	YBAS	AOP	LP	AU32	YBBN	2021-2	211	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

MET/IE WG/22
Appendix B to WP/09

No.	Aerodrome	AOP	Type	Bulletin	ROC	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
47	YBBN	AOP	LP	AU31	YBBN	2021-2	237	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
48	YBCG	AOP	LP	AU31	YBBN	2021-2	334	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
49	YBCS	AOP	LP	AU31	YBBN	2021-2	161	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
50	YBHM	NON AOP	LP	AU34	YBBN	2021-2	241	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
51	YBLN	NON AOP	LP	AU32	YBBN	2021-2	48	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
52	YBMA	NON AOP	LP	AU34	YBBN	2021-2	97	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
53	YBRK	AOP	LP	AU32	YBBN	2021-2	252	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
54	YBRM	AOP	LP	AU32	YBBN	2021-2	126	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
55	YBSU	AOP	LP	AU32	YBBN	2021-2	243	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
56	YBTL	AOP	LP	AU36	YBBN	2021-2	98	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
57	YBWW	AOP	LP	AU32	YBBN	2021-2	290	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
58	YCFS	AOP	LP	AU32	YBBN	2021-2	301	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
59	YCIN	NON AOP	LP	AU35	YBBN	2021-2	104	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
60	YFRT	NON AOP	LP	AU35	YBBN	2021-2	197	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
61	YGEL	AOP	LP	AU33	YBBN	2021-2	283	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
62	YGLA	NON AOP	LP	AU33	YBBN	2021-2	272	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
63	YHID	AOP	LP	AU33	YBBN	2021-2	55	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
64	YLHI	AOP	LP	AU32	YBBN	2021-2	294	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
65	YMAV	AOP	LP	AU32	YBBN	2021-2	269	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
66	YMHB	AOP	LP	AU31	YBBN	2021-2	267	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
67	YMLT	AOP	LP	AU32	YBBN	2021-2	173	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
68	YMML	AOP	LP	AU31	YBBN	2021-2	412	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
69	YPAD	AOP	LP	AU31	YBBN	2021-2	118	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
70	YPCC	AOP	LP	AU32	YBBN	2021-2	10	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
71	YPDN	AOP	LP	AU31	YBBN	2021-2	58	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
72	YPEA	NON AOP	LP	AU36	YBBN	2021-2	323	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
73	YPGV	NON AOP	LP	AU35	YBBN	2021-2	17	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
74	YPJT	NON AOP	LP	AU33	YBBN	2021-2	179	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
75	YPKG	AOP	LP	AU32	YBBN	2021-2	71	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
76	YPKU	NON AOP	LP	AU35	YBBN	2021-2	109	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
77	YPLM	AOP	LP	AU32	YBBN	2021-2	138	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
78	YPPD	AOP	LP	AU32	YBBN	2021-2	52	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
79	YPPH	AOP	LP	AU31	YBBN	2021-2	300	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
80	YPTN	AOP	LP	AU36	YBBN	2021-2	117	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
81	YPWR	NON AOP	LP	AU33	YBBN	2021-2	49	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
82	YPMX	AOP	LP	AU32	YBBN	2021-2	827	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
83	YSCB	AOP	LP	AU31	YBBN	2021-2	440	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
84	YSDU	NON AOP	LP	AU33	YBBN	2021-2	191	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
85	YSNF	AOP	LP	AU32	YBBN	2021-2	162	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
86	YSRI	NON AOP	LP	AU33	YBBN	2021-2	330	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
87	YSSY	AOP	LP	AU31	YBBN	2021-2	347	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
88	YSTW	NON AOP	LP	AU33	YBBN	2021-2	120	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
89	YWLM	AOP	LP	AU36	YBBN	2021-2	304	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

MET/IE WG/22
Appendix C to WP/09

**APPENDIX C – RODB BANGKOK'S IWXXM-SPECIFIC STATISTICS
FOR SIGMET/AIRMET DURING 1-30 NOVEMBER 2023**

No.	FIR/UIR	Type	Incoming Bulletin	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
1	AGGG	LY	SO20 AGGH	3.0	1	1 (100.00%)	1 (100.00%)	1 (100.00%)	0 (0.00%)
2	AGGG	LS	SO20 AGGH	3.0	180	180 (100.00%)	2 (1.11%)	13 (7.22%)	0 (0.00%)
3	AGGG	LV	SO20 AGGH	3.0	3	3 (100.00%)	3 (100.00%)	3 (100.00%)	0 (0.00%)
4	AGGH	LS	SO20 AGGH	3.0	2	2 (100.00%)	0 (0.00%)	1 (50.00%)	0 (0.00%)
5	ANAU	LS	NG20 AYPY	3.0	4	1 (25.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
6	AYPM	LS	NG20 AYPY	3.0	23	3 (13.04%)	1 (4.35%)	0 (0.00%)	0 (0.00%)
7	AYPM	LV	NG20 AYPY	3.0	6	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
8	AYPY	LV	NG20 AYPY	3.0	2	2 (100.00%)	1 (50.00%)	2 (100.00%)	0 (0.00%)
9	NFFF	LS	FJ01 NFFN, FJ02 NFFN, FJ03 NFFN	3.0	246	246 (100.00%)	1 (0.41%)	0 (0.00%)	0 (0.00%)
10	NFFF	LY	FJ01 NFFN	3.0	13	0 (0.00%)	2 (15.38%)	0 (0.00%)	0 (0.00%)
11	NTTT	LY	PF21 NTAA	3.0	3	3 (100.00%)	3 (100.00%)	3 (100.00%)	0 (0.00%)
12	NTTT	LV	PF20 NTAA	3.0	3	3 (100.00%)	2 (66.67%)	1 (33.33%)	0 (0.00%)
13	NTTT	LS	PF21 NTAA, PF22 NTAA, PF23 NTAA	3.0	101	101 (100.00%)	1 (0.99%)	0 (0.00%)	0 (0.00%)
14	NZZC	LS	NZ21 NZKL	3.0	424	408 (96.23%)	2 (0.47%)	0 (0.00%)	0 (0.00%)
15	NZZO	LS	PS21 NZKL	3.0	382	381 (99.74%)	2 (0.52%)	0 (0.00%)	0 (0.00%)
16	RCAA	LY	CI31 RCTP	2021-2	2	0 (0.00%)	2 (100.00%)	0 (0.00%)	0 (0.00%)
17	RCAA	LV	CI31 RCTP	2021-2	2	0 (0.00%)	2 (100.00%)	0 (0.00%)	0 (0.00%)
18	RCAA	LS	CI31 RCTP	2021-2	2	2 (100.00%)	2 (100.00%)	0 (0.00%)	0 (0.00%)
19	RPHI	LS	PH31 RPLL	3.0	153	153 (100.00%)	0 (0.00%)	1 (0.65%)	0 (0.00%)
20	RPHI	LV	PH31 RPLL	3.0	42	13 (30.95%)	0 (0.00%)	13 (30.95%)	0 (0.00%)
21	VHHK	LY	SS20 VHHH	2021-2	1	1 (100.00%)	1 (100.00%)	0 (0.00%)	0 (0.00%)
22	VHHK	LS	SS20 VHHH	2021-2	19	19 (100.00%)	1 (5.26%)	0 (0.00%)	0 (0.00%)
23	VHHK	LV	SS20 VHHH	2021-2	1	1 (100.00%)	1 (100.00%)	0 (0.00%)	0 (0.00%)
24	VTBB	LV	TH31 VTBS	3.0	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)
25	VTBB	LS	TH31 VTBS	3.0	240	240 (100.00%)	2 (0.83%)	0 (0.00%)	0 (0.00%)
26	VTBB	LY	TH31 VTBS	3.0	2	2 (100.00%)	2 (100.00%)	2 (100.00%)	0 (0.00%)
27	WSJC	LS	SR20 WSSS	3.0	226	224 (99.12%)	1 (0.44%)	4 (1.77%)	0 (0.00%)
28	YBBB	LS	AU21 YBRF, AU21 YMMC, AU21 YMRF	2021-2	698	0 (0.00%)	3 (0.43%)	0 (0.00%)	0 (0.00%)
29	YBBB	LY	AU01 YMMC	2021-2	2	0 (0.00%)	2 (100.00%)	0 (0.00%)	0 (0.00%)
30	YBBB	LW	AU21 YBRF, AU21 YMRF	2021-2	437	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
31	YMMM	LW	AU21 YBRF, AU21 YMRF	2021-2	673	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
32	YMMM	LY	AU01 YMMC	2021-2	2	0 (0.00%)	2 (100.00%)	0 (0.00%)	0 (0.00%)
33	YMMM	LS	AU21 YBRF, AU21 YMMC, AU21 YMRF	2021-2	968	0 (0.00%)	3 (0.31%)	0 (0.00%)	0 (0.00%)

* LS: SIGMET
LY: SIGMET for TC
LV: SIGMET for VA
LW: AIRMET

** SIGMET Test was also conducted during this monitoring activity

MET/IE WG/22
Appendix D to WP/09

**APPENDIX D – ROBB BANGKOK’S IWXXM-SPECIFIC STATISTICS
FOR ADVISORIES DURING 1-30 NOVEMBER 2023**

No.	Advisory Centre	Type	Incoming Bulletin	Version	Total	%Success	%Non-OPR	%Incomplete Translation	%Extension
1	ACFJ	LN	XX02 YMMC	2021-2	8	0 (0.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
2	CRC	LN	XX02 ZBBB, XX03 ZBBB	3.0	8	2 (25.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
3	DARWIN	LU	AU01 ADRM, AU02 ADRM, AU03 ADRM, AU04 ADRM, AU05 ADRM	2021-2	333	0 (0.00%)	1 (0.30%)	0 (0.00%)	0 (0.00%)
4	PECASUS	LN	XX01 EFKL, XX03 EFKL	3.0	9	9 (100.00%)	1 (11.11%)	0 (0.00%)	0 (0.00%)
5	WASHINGTON	LU	XX23 KNES	2021-2	1	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

* *LU: Volcanic Ash Advisory*
LN: Space Weather Advisory