



International Civil Aviation Organization

**EIGHTH MEETING OF THE ASIA/PACIFIC OPMET MANAGEMENT
TASK FORCE (OPMET/M TF/8)**

Bangkok, Thailand, 23 – 25 March 2010

**Agenda Item 3a: Review of regional guidance material on OPMET exchange:
ROBEX Handbook**

REVIEW UPDATES TO THE ROBEX HANDBOOK

(Prepared by the Secretariat)

SUMMARY

This paper provides proposed updates to the ROBEX Handbook and requests input from the meeting to make additional proposals.

1. INTRODUCTION

1.1 The ROBEX Handbook was last amended in September 2009 which included an example of a multi OPMET bulletin with reference to the optional group specified by the WMO Manual on the Global Telecommunication System (WMO-No. 386). As agreed upon at the OPMET/M TF/7 meeting, the ROBEX Handbook should be updated once per year and reflect currency of OPMET exchange since it is referenced in the Basic ANP (Amendment Proposal SN: APAC 09/22 (MET) approved 21 January 2010). The ROBEX Handbook can be accessed at http://www.bangkok.icao.int/edocs/robex2004_e12.pdf.

2. PROPOSED ROBEX HANDBOOK UPDATES

2.1 The proposed ROBEX Handbook updates based on information received from States, meetings and real time monitoring are provided in the attachment for review.

3. ACTION BY THE MEETING

3.1 The meeting is invited to review the proposed updates to the ROBEX Handbook and provide any additional proposed changes to be included in the next amendment.

ROBEX HB - list of updates – 9 March 2010

Strategy for updating: make all changes not related to Am 75 to Annex 3 and accept all changes and save. Turn on track changes and make changes associated with Am 75 to Annex 3 for ease of seeing the difference of changes associated with Am 75 that could be provided approximately 6 months before the applicability date of 18 Nov 2010. After this date, the track changes can be turned off and reposted without notification to States since it would be considered editorial.

Text highlighted yellow indicate changes needed in accordance to real-time monitoring at the RODB Singapore – should consult States of these differences at the OPMET/M TF/8 meeting

Text highlighted blue need confirmation from State(s)

Text highlighted in grey is dependent on other document changes (i.e. Doc 7910) or the change has not yet been made to the draft document

Text highlighted green is in draft documents

General

- 7910 associated updates (verified with ed 134): Malaysia – remove (RMAF) from WMKD to read Kuantan
Note - (WBKL – Labuan (RMAF) not changed in ed 134 and possibly due to the more recent letter dated nov 2009 by Malaysia to the SecGen which did not include Lanuan (RMAF))
- India – aerodrome name changes expected for nearly all aerodromes, however, due to the lengthy names – abbreviations may be used

Text

- pg 7, make reference in para 4.2 to AFTN PLAN – ASIA/PAC (Char CNS 1), whose illustration should be inserted after pg 8 (ROBEX Scheme)
- pg 9, para 5.2.5: change reference to FASID Table MET 7 to the Basic ANP, Part VI Meteorology (MET) page VI-4 para 35 (this is due to Amendment Proposal APAC 09/22 which longer references FASID Table MET 7)
- pg 9, para 5.2.5: replace reference of Internet for backup purposes with: Amendment 75 to Annex 3, para 11.1.9 allows the use of the Internet for non-time critical OPMET information
- pg 17, para 7.4.1.2: replace “long” and “short” TAFs in one bulletin with TAF with different periods of validity
- pg 20, para 8.2 note: replace third edition, 2003 with fourth edition, 2007 (amended September 2009 – *or whatever the most recent amendment is*)
- pg 20, para 8.6: update the link to the latest SIGMET Guide
- pg 21, para 9.1: remove reference to routine voice reports, AIREP and corresponding note in paragraph 9.1 (this change is associated with Am 75 to Annex 3)

- pg 21: remove all text except para 9.2 note 2 (MWOs should follow the special requirements for the dissemination of special air-reports as defined by Annex 3) which can become note 1 in section 9.1
- pg 23: change AYPY to AYPM

Table A (METAR)

- SAAE31 VVPB (not included in bulletin yet): new AOP aerodrome in Viet Nam – will this be disseminated internationally? If so, is this the most appropriate bulletin?
- SATH31 VTBB: VTCP change from 2300-1400 to 0000-1100
- SATH31 VTBB: add VTPT (TAK) and apply ‘*’ footnote
- SATH32 VTBB: remove VTSE
- SATH32 VTBB: add VTSF (Nakhon Si Thammarat) and apply ‘*’ footnote
- SATH33 VTBB: remove VTUU
- SACI32 ZBBB: add ZSNB
- SAAU31 YBBN: add YSCB, YBCG, YCFS, YHID, YPJT, YSTW
- SAAU32 YBBN: remove YSCB, YBCG
- SAAU32 YBBN: make bulletin time HH+00 and HH+30
- SAAU32 YBBN: add YGEL
- SANG31 YBBN: remove all footnotes
- SANG31 YBBN: TAF valid for 24 hours
- SANG31 YBBN: remove YCFS, YHID
- SASB31 VCCC: remove HH+40 in bulletin time
- SAHK31 VHHH: in rtm, which RCKH is correct (listed twice)
- SAHK31 VHHH: remove note to RPLL, PRVM
- SAHK31 VHHH: update * note to “available 2200-1000 at HH+00” and apply to RPMD, PRLB, RPLI, and RPMZ
- SAHK31 VHHH: remove ** note
- SAKO31 RKSI: add * to HH+30 and apply to RKSI only
- SAKO31 RKSI: add RKJB (Muan Intl)
- SAID32 WIII: add HH+30 for whole bulletin
- SAID32 WIII: which is correct (WIKN or WIDN) – the second is from ROBEX HB
- SAID32 WIII: remove WIMG
- SAID33 WIII: add HH+30 to bulletin time for whole bulletin
- SAID33 WIII: which is correct (WIAT or WICT) – the second is from ROBEX HB
- SAID33 WIII: remove note
- SAPK31 OPKC: change bulletin time to HH+00 and HH+30
- SAMS31 WMKK: remove WSSL
- SAIN31 VABB: add VOHS
- SAIN31 VABB: apply VANP, VOHY, VOTV to new bulletin time of HH+40
- SAIN31 VABB: apply new footnote “available 0040-2340” to VANP
- SAIN31 VABB: apply new footnote “available 0040-1540” to VOHY
- SAIN31 VABB: apply new footnote “available 2340-1640” to VOTV
- SAIN31 VABB: remove VQPR (Paro)
- SAPS32 NFFN: add NSMA and NFTL as non-AOP aerodromes (ital)
- SAJP31 RJTD: remove HH+30 from bulletin time

- SAJP31 and SAJP32 bulletins: AFTN address changes: YBBBYPYX to YBZZSPAX, NFFNYPYX to NFZZRCXX, WSZZYPYM to WSSSYMYX
- SABN31 OBBI: change bulletin time from HH+50 to HH+00
- SABN31 OBBI: remove OOSA
- SABN32 OBBI: add OOSA
- SAME31 OLBA: change bulletin number from SALB31 to SAME31
- SAME31 OLBA: add OSAP, OSLK, and OJAQ
- SASD31 OEJD: change bulletin time from HH+50 to HH+00 – verify bulletin
- SAIR31 OIII: add footnote “available 0330-1130” and apply to HH+30
- SAIR32 OIII: add OIIE, OITR, OIAA, OICC, OIGG, OIBK, OIYY
(bulletins for Nadi and Baghdad not provided in real time monitoring table)
- SAIR32 OIII: remove bulletin since OAKB and OAKN METAR (and TAF) are obtained on ISCS as SAAH10 (METAR for OAKB) and FTAH10 (TAF for OAKB) and Singapore IROG relays this OPMET data to SADIS which has confirmed receipt. AFTN not expected in near future and inclusion in ROBEX scheme not expected in near future.

Table B (FT TAF)

- FTAE31 VTBB: remove note for VLVT (unless RTM shows TAF issued 3 times/day)
- FTAE31 VTBB: change 24 to 30 in TAF validity and remove ‘(30)’ for VTBS, VTBD, VTCC and VTSP since these aerodromes meet user requirements of 30-hour TAF as of 1 December 2009
- FTAE31 VVPB (not included in bulletin yet): new AOP aerodrome in Viet Nam - will this be disseminated internationally? If so, is this the most appropriate bulletin? Currently 9-hour TAF is issued, but there is a 24-hour TAF requirement (has this been implemented?)
- FTAE32 VTBB: remove note for VYMD (unless RTM shows TAF issued 2 times/day)
- FTAE33 VTBB: add VLLB, VLLN, VLSK and VLPS (all are 18-hour TAF of issuance times 0500/1100/2300 UTC (though sent by Lao to Bangkok at earlier times of 0330/0930/2200) – RODB Bangkok awaiting response from Lao
- FTCI32 ZBBB: add ZSNB
- FTAU32 YBBN: add YBCG and YGEL
- FTAU33 YBBN: remove YBCG
- FTAU33 YBBN: add YCFS, YHID, YPTJ and YSTW
- FTAU34 YBBN: add footnote indicating that YCIN is 18-hour TAF
- FTNG31 YBBN: long term discrepancy of doc 7910 AUUU and practiced ANYN
- FTIN32 VABB: add VOHS and VOHY
- FTIN32 VABB: change 24 to 30 in TAF validity for VRMM and remove ‘(30) ^’ for VRMM (investigate footnote - not confirmed part of bulletin)
- FTIN32 VRMG: add entry to FTIN32 with period of validity of 30-hour TAF and issuance times the same as stated in the bulletin

- *Note: NLWW TAF will be generated by Météo France under WMO abbreviated heading FTFW20 NWCC to the Nadi (NFFN) ROBEX Centre for inclusion in the FTSP31 TAF bulletin effective 1 April 2010 (already in HB)*
- FTSP31 NFFN: possibly add NLWF when generated and disseminated by NWCC – when METAR system is installed and fully operational
- FTJP31 bulletin: add the following AFTN addresses: EGZZFRXX, LIIBYMYX, NWCCYMYX
- FTJP32 bulletin: add the following AFTN addresses: EGZZFRXX, KWBCYMYX, NWCCYMYX
- FTBN31 OBBI: add OEDF
- FTBN32 OBBI: add OMAD
- FTME31 OLBA: add OSAP and OSLK
- FTME31 OLBA: remove OJAM, OJAI, ORBI and ORMM
- FTSD31 OEJD: is OEDF supposed to be OYAA (the second is in ROBEX HB and the first is already listed in FTBN31)
- General: Content order different in FTNZ31, FTSR32, FTBN32 and FTME31

Table C (ROBEX exchange of METAR and TAF compared with ASIA/PAC FASID Table MET 1A)

- verify changes in Tables A and B are included in C if they are an AOP aerodrome (listed in FASID Table MET 1A)

Appendix D – ROBEX Collection and Dissemination of AIREP Bulletins

- remove Table since Amendment 75 to Annex 3 the collection and dissemination of routine reports (AIREP) is no longer a requirement
- UAJP31: change UAJP31 to UAFE31
- UAFE31: add the following AFTN addresses: PANCYMYX and PGUMCOAX

Appendix E – Use of WMO Abbreviated Heading

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Appendix I – ROBEX Focal Points

- updated Japan focal point
