



International Civil Aviation Organization

**THIRTEENTH MEETING OF THE ASIA/PACIFIC REGIONAL OPMET
BULLETIN EXCHANGE WORKING GROUP (ROBEX WG/13)**

Seoul, Republic of Korea, 16 – 18 March 2015

Agenda Item 3: OPMET information

FOLLOW-UP ON OPMET AVAILABILITY ISSUES

(Presented by the Secretariat)

SUMMARY

This paper presents issues identified in the results of IATA OPMET monitoring in order to facilitate necessary coordination between States, RODBs and ICAO to improve the availability of Asia/Pacific OPMET information in SADIS and WIFS.

1. INTRODUCTION

1.1 Global availability of OPMET information is a key enabler supporting enhanced operational efficiency and safety in the air navigation system. The ROBEX WG supports global OPMET availability through the continual review and optimization of regional OPMET exchange schemes that relay information to the global OPMET exchange.

1.2 The satellite distribution system for information relating to air navigation (SADIS) and the related Internet system (Secure SADIS FTP), provided by the United Kingdom, and the World Area Forecast System Internet File Service (WIFS), provided by the United States, form a global OPMET exchange intended to provide global access to all available OPMET data. To support the global distribution of OPMET, all Asia/Pacific OPMET data should be relayed from the regional OPMET exchange scheme to the SADIS/Secure SADIS FTP and WIFS gateways.

1.3 The International Air Transport Association (IATA), as a member of the ROBEX WG, conducted annual monitoring exercises in 2013/14 and 2014/15 (for a period of 9 weeks commencing in late December) of OPMET availability in SADIS/Secure SADIS FTP and WIFS to support the ROBEX WG in its objective to ensure the global availability of the required Asia/Pacific OPMET information.

2. DISCUSSION

2.1 The results of IATA OPMET monitoring in 2013/14 were presented in ROBEX WG/12 WP/10; results from 2014/15 are presented in ROBEX WG/13 WP/6. The locations with availability issues identified in the IATA OPMET monitoring (2013/14 and 2014/15) are highlighted in Table 1 and Table 2 in the **Attachment** to this paper.

2.2 Table 1 and Table 2 highlight sixty four (64) and sixty (60) locations in the Asia/Pacific in 2013/14 and 2014/15, respectively, that were identified with OPMET availability issues in SADIS and/or WIFS by the IATA OPMET monitoring. This represents only a slight improvement in the overall rate of OPMET availability (by location in the Asia/Pacific) in SADIS and WIFS from 2013/14 to 2014/15.

2.3 Further comparison between Table 1 and Table 2 indicates that, of the sixty four (64) locations with OPMET availability issues identified in IATA OPMET monitoring in 2013/14 only fifty (50) locations were identified again with OPMET availability issues in 2014/15. However, to offset the apparent improvement in OPMET availability for the remaining fourteen (14) locations, an additional ten (10) new locations were identified with OPMET availability issues in SADIS and/or WIFS in IATA OPMET monitoring in 2014/15.

2.4 While the IATA OPMET monitoring reports do not identify the cause/s of OPMET availability issues in SADIS and WIFS, a comparison of the recent results of IATA OPMET monitoring in 2014/15 (Table 2) with the tables of OPMET bulletins set out in Appendix A and Appendix B of the Asia/Pacific ROBEX Handbook shows that a significant proportion of the locations identified with OPMET availability issues in SADIS and/or WIFS, i.e., forty one (41) out of sixty (60), are not currently listed in the METAR and/or TAF bulletins that form the regional OPMET exchange scheme.

2.5 Given the purpose of the regional OPMET exchange scheme to ensure the most efficient exchange of OPMET information within the Asia/Pacific and to relay the OPMET information to the SADIS/Secure SADIS FTP and WIFS gateways for global dissemination, it follows that optimization of the ROBEX scheme through the realignment of the ROBEX Handbook OPMET bulletins with the required Asia/Pacific OPMET information (as stipulated in the regional air navigation plan, FASID) would help further improve the global availability of Asia/Pacific OPMET information in SADIS and WIFS.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the information contained in this paper; and
- b) Review the ROBEX Handbook OPMET bulletins to ensure they reflect the current requirements.

ATTACHMENT

OPMET AVAILABILITY ISSUES IDENTIFIED IN IATA OPMET MONITORING

Explanation of Tables

- WIFS/SADIS SA METAR availability in WIFS/SADIS
 WIFS/SADIS FT [long] TAF availability in WIFS/SADIS
 Full OPMET data received on each day of monitoring
 Limited OPMET data received, but not on each day of monitoring
 Nil OPMET data not received on any day of monitoring
 AOP Location is listed in AOP tables (Y/N)
 RH(A) Location is listed in ROBEX Handbook Table A; METAR bulletins (Y/N)
 RH(B) Location is listed in ROBEX Handbook Table B; TAF bulletins (Y/N)

Table 1: 2013/14 (derived from ROBEX WG/12 WP/10, presented by IATA)

Country	Name	Loc Ind	WIFS SA	SADIS SA	WIFS FT	SADIS FT	AOP	RH(A)	RH(B)
Afghanistan	KABUL INTERNATIONAL	OAKB	Full	Full	Full	Nil	Y	Y	N
Afghanistan	KANDAHAR	OAKN	Nil	Nil	Full	Limited	Y	Y	N
Bhutan	PARO/INTL	VQPR	Limited	Limited	Nil	Nil	Y	Y	N
China	JINAN/YAOQIANG	ZSJM	Nil	Full	Limited	Limited	Y	N	N
China	XICHANG/QUINGSHAN	ZUXC	Nil	Nil	Nil	Nil	Y	N	N
India	GUWAHATI	VEGT	Nil	Nil	Nil	Nil	Y	N	N
India	GAYA	VEGY	Nil	Nil	Nil	Nil	Y	N	N
India	BANGALORE INTL. AIRPORT	VOBL	Full	Full	Full	Nil	Y	N	N
India	COIMBATORE	VOCB	Full	Full	Full	Nil	Y	N	N
India	HYDERABAD	VOHY	Limited	Limited	Nil	Nil	N	Y	Y
India	MANGALORE	VOML	Nil	Nil	Full	Nil	Y	N	N

Country	Name	Loc Ind	WIFS SA	SADIS SA	WIFS FT	SADIS FT	AOP	RH(A)	RH(B)
Indonesia	TIMIKA/MOSES KILANGIN	WABP	Nil	Nil	Nil	Full	Y	Y	N
Indonesia	JAYAPURA/SENTANI	WAJJ	Nil	Nil	Nil	Full	Y	Y	N
Indonesia	MERAUKE/MOPAH	WAKK	Nil	Limited	Nil	Full	Y	Y	N
Indonesia	TARAKAN/JUWATA	WALR	Nil	Full	Nil	Nil	Y	Y	N
Indonesia	BANJARMASIN/SYAMSUDIN NOOR	WAOO	Full	Full	Nil	Nil	Y	Y	N
Indonesia	KUPANG/EL-TARI	WATT	Limited	Limited	Full	Full	Y	Y	N
Indonesia	PEKANBARU/SULTAN SYARIF KASIM II	WIBB	Limited	Limited	Full	Full	Y	Y	N
Indonesia	BATAM/HANG NADIM	WIDD	Nil	Nil	Full	Full	Y	Y	N
Indonesia	TANJUNG PINANG/RAJA HAJI FISABILILLAH	WIDN	Nil	Full	Nil	Nil	Y	Y	N
Indonesia	PADANG/TABING	WIMG	Nil	Nil	Nil	Nil	Y	Y	N
Indonesia	PONTIANAK/SUPADIO	WIOO	Full	Full	Nil	Full	Y	Y	N
Kiribati	TARAWA/BONRIKI INTL	NGTA	Nil	Nil	Full	Full	Y	Y	Y
Kiribati	CHRISTMAS ISLAND	PLCH	Limited	Limited	Full	Full	Y	Y	Y
Lao PDR	LUANG PRABANG	VLLB	Nil	Full	Full	Full	N	Y	Y
Lao PDR	LUANG NAMTHA	VLLN	Nil	Full	Full	Full	N	Y	Y
Lao PDR	PAKSE	VLPS	Nil	Full	Full	Full	N	Y	Y
Lao PDR	SAVANNAKHET	VLSK	Nil	Full	Full	Full	N	Y	Y
Malaysia	KUANTAN	WMKD	Full	Full	Nil	Full	N	Y	N
Maldives	GAN/GAN INTERNATIONAL AIRPORT	VRMG	Nil	Nil	Full	Full	Y	N	Y
Maldives	HANIMAADHOO	VRMH	Nil	Nil	Nil	Nil	Y	N	N
Marshall Islands	MARSHALL ISLANDS/INTL MAJURO ATOLL	PKMJ	Limited	Limited	Full	Full	Y	N	N
Micronesia	KOSRAE,KOSRAE ISLAND	PTSA	Limited	Limited	Limited	Limited	N	N	N
Nauru	NAURU AIRPORT	ANYN	Nil	Nil	Full	Full	Y	N	Y
Nepal	KATHMANDU	VNKT	Full	Full	Limited	Full	Y	Y	Y
Pakistan	D.G. KHAN INT'L	OPDG	Nil	Nil	Full	Full	N	N	N
Pakistan	GWADAR/INTL.	OPGD	Nil	Nil	Full	Full	Y	Y	Y
Pakistan	PESHAWAR/INTL.	OPPS	Limited	Limited	Full	Full	Y	Y	Y
Pakistan	ISLAMABAD/BENAZIR BHUTTO INT'L	OPRN	Full	Full	Full	Limited	Y	Y	Y

Country	Name	Loc Ind	WIFS SA	SADIS SA	WIFS FT	SADIS FT	AOP	RH(A)	RH(B)
Papua New Guinea	MOUNT HAGEN	AYMH	Nil	Nil	Nil	Full	N	Y	N
Papua New Guinea	MOMOTE	AYMO	Limited	Limited	Full	Full	N	Y	N
Papua New Guinea	NADZAB	AYNZ	Nil	Nil	Nil	Full	N	Y	N
Papua New Guinea	VANIMO	AYVN	Limited	Limited	Nil	Full	Y	Y	N
Papua New Guinea	WEWAK	AYWK	Limited	Limited	Nil	Full	N	Y	N
Philippines	CAGAYAN DE ORO, MIZAMIS ORIENTAL	RPML	Nil	Nil	Nil	Nil	N	N	N
Philippines	TAMBLER, GEN. SANTOS, SOUTH COTABATO	RPMR	Nil	Nil	Full	Full	N	N	N
Philippines	DUMAGUETE/SIBULAN, NEGROS ORIENTAL	RPVD	Nil	Nil	Full	Full	N	N	N
Philippines	PUERTO PRINCESA, PALAWAN	RPVP	Nil	Nil	Full	Full	N	N	N
Sri Lanka	HINGURAKGODA/MINNERIYA	VCCH	Nil	Nil	Nil	Nil	Y	N	N
Sri Lanka	MATTALA/MATTALA RAJAPAKSA INTERNATIONAL AIRPORT	VCRI	Full	Full	Nil	Full	Y	N	N
Thailand	PHETCHABUN	VTPB	Nil	Limited	Full	Full	N	Y	Y
Thailand	TAK/MAE SOT	VTPM	Nil	Full	Full	Full	N	Y	Y
Thailand	TAK	VTPT	Nil	Nil	Full	Full	N	N	Y
Thailand	CHUMPHON/TAB GAI	VTSE	Nil	Full	Full	Full	N	Y	Y
Thailand	SONGKHLA	VTSH	Limited	Nil	Full	Full	N	Y	Y
Thailand	PATTANI	VTSK	Nil	Nil	Full	Full	N	Y	Y
Thailand	RANONG	VTSR	Nil	Nil	Full	Full	N	Y	Y
Thailand	SAKON NAKHON/BAN KHAI	VTUI	Limited	Limited	Full	Full	N	Y	Y
Thailand	BURI RAM	VTUO	Limited	Limited	Full	Full	N	Y	Y
Thailand	NAKHON RATCHASIMA	VTUQ	Nil	Nil	Full	Full	N	Y	Y
Vanuatu	SANTO/PEKOA	NVSS	Limited	Limited	Full	Full	Y	Y	Y
Vanuatu	PORT VILA/BAUERFIELD	NVVV	Full	Limited	Full	Full	Y	Y	Y
Wake Island (U. S)	WAKE ISLAND AIRFIELD, WAKE I.	PWAK	Full	Full	Nil	Nil	N	N	N
Wallis and Futuna Islands (France)	WALLIS HIHIFO	NLWW	Nil	Nil	Full	Full	Y	Y	Y

Table 2: 2014/15 (derived from ROBEX WG/13 WP/6, presented by IATA)

Country	Name	Loc Ind	WIFS SA	SADIS SA	WIFS FT	SADIS FT	AOP	RH(A)	RH(B)
Afghanistan	KABUL INTERNATIONAL	OAKB	Full	Full	Full	Nil	Y	Y	N
Afghanistan	KANDAHAR	OAKN	Nil	Nil	Nil	Nil	Y	Y	N
Australia	HOBART	YMHB	Full	Full	Limited	Limited	Y	Y	Y
Bhutan	PARO/INTL	VQPR	Limited	Limited	Nil	Nil	Y	Y	N
China	JINAN/YAOQIANG	ZSJN	Nil	Full	Limited	Limited	Y	N	N
China	XICHANG/QUINGSHAN	ZUXC	Nil	Nil	Nil	Nil	Y	N	N
DPR Korea	SUNAN	ZKPY	Nil	Nil	Full	Full	Y	N	N
India	GUWAHATI	VEGT	Limited	Nil	Nil	Nil	Y	N	N
India	GAYA	VEGY	Limited	Nil	Nil	Nil	Y	N	N
India	BANGALORE INTL. AIRPORT	VOBL	Full	Full	Full	Nil	Y	N	N
India	COIMBATORE	VOCB	Full	Full	Full	Nil	Y	N	N
India	HYDERABAD	VOHY	Limited	Limited	Limited	Limited	N	Y	Y
India	MANGALORE	VOML	Nil	Nil	Full	Nil	Y	N	N
Indonesia	BIAK/FRANS KAISIEPO	WABB	Nil	Nil	Full	Full	Y	Y	Y
Indonesia	TIMIKA/MOSES KILANGIN	WABP	Limited	Limited	Nil	Full	N	Y	N
Indonesia	JAYAPURA/SENTANI	WAJJ	Full	Full	Nil	Nil	Y	Y	N
Indonesia	MERAUKE/MOPAH	WAKK	Nil	Limited	Nil	Nil	Y	Y	N
Indonesia	TARAKAN/JUWATA	WALR	Nil	Full	Full	Full	Y	Y	N
Indonesia	AMBON/PATTIMURA	WAPP	Nil	Nil	Full	Full	Y	Y	N
Indonesia	YOGYAKARTA/ADI SUTJIPTO	WARJ	Nil	Nil	Nil	Nil	N	N	N
Indonesia	SOLO/ADI SUMARMO	WARQ	Nil	Nil	Nil	Nil	N	N	N
Indonesia	SORONG/DOMINE EDUARD OSOK	WASS	Nil	Nil	Nil	Nil	N	N	N
Indonesia	TANJUNG PINANG/RAJA HAJI FISABILILLAH	WIDN	Nil	Full	Nil	Limited	Y	Y	N
Indonesia	PONTIANAK/SUPADIO	WIOO	Nil	Nil	Nil	Nil	Y	Y	N
Kiribati	TARAWA/BONRIKI INTL	NGTA	Nil	Nil	Full	Full	Y	Y	Y
Kiribati	CHRISTMAS ISLAND	PLCH	Limited	Limited	Full	Full	Y	Y	Y

Lao PDR	LUANG PRABANG	VLLB	Nil	Full	Full	Full	N	Y	Y
Lao PDR	LUANG NAMTHA	VLLN	Nil	Full	Full	Full	N	Y	Y
Lao PDR	PAKSE	VLPS	Nil	Full	Full	Full	N	Y	Y
Lao PDR	SAVANNAKHET	VLSK	Nil	Full	Full	Full	N	Y	Y
Malaysia	KUANTAN	WMKD	Full	Full	Nil	Full	N	Y	N
Maldives	GAN/GAN INTERNATIONAL AIRPORT	VRMG	Nil	Nil	Full	Full	Y	N	Y
Maldives	HANIMAADHOO	VRMH	Nil	Nil	Nil	Nil	Y	N	N
Marshall Islands	MARSHALL ISLANDS/INTL MAJUORO ATOLL	PKMJ	Limited	Limited	Full	Full	Y	N	N
Micronesia	POHNPEI INTL,POHNPEI ISLAND	PTPN	Full	Full	Limited	Limited	Y	N	N
Nauru	NAURU AIRPORT	ANYN	Nil	Nil	Full	Full	Y	N	Y
Pakistan	D.G. KHAN INT'L	OPDG	Nil	Nil	Full	Full	N	N	N
Pakistan	GWADAR/INTL.	OPGD	Nil	Nil	Full	Full	Y	Y	Y
Pakistan	PESHAWAR/INTL.	OPPS	Nil	Nil	Limited	Limited	Y	Y	Y
Pakistan	SIALKOT INTERNATIONAL AIRPORT	OPST	Nil	Nil	Full	Full	N	N	N
Papua New Guinea	MOUNT HAGEN	AYMH	Nil	Nil	Nil	Full	N	Y	N
Papua New Guinea	MOMOTE	AYMO	Limited	Limited	Full	Full	N	Y	N
Papua New Guinea	NADZAB	AYNZ	Nil	Limited	Nil	Full	N	Y	N
Papua New Guinea	VANIMO	AYVN	Limited	Limited	Nil	Limited	Y	Y	N
Papua New Guinea	WEWAK	AYWK	Limited	Limited	Nil	Full	N	Y	N
Philippines	CAGAYAN DE ORO, MIZAMIS ORIENTAL	RPML	Nil	Nil	Nil	Nil	N	N	N
Philippines	TAMBLER,GEN. SANTOS, SOUTH COTABATO	RPMR	Nil	Nil	Full	Full	N	N	N
Philippines	DUMAGUETE/SIBULAN, NEGROS ORIENTAL	RPVD	Nil	Nil	Full	Full	N	N	N
Philippines	PUERTO PRINCESA, PALAWAN	RPVP	Nil	Nil	Full	Full	N	N	N
Sri Lanka	HINGURAKGODA/MINNERIYA	VCCH	Nil	Nil	Nil	Nil	Y	N	N
Sri Lanka	MATTALA/MATTALA RAJAPAKSA INTERNATIONAL AIRPORT	VCRI	Full	Full	Nil	Full			
Thailand	PHETCHABUN	VTPB	Nil	Nil	Full	Full	N	Y	Y
Thailand	TAK/MAE SOT	VTPM	Nil	Full	Full	Full	N	Y	Y
Thailand	TAK	VTPT	Nil	Nil	Full	Full	N	N	Y
Thailand	CHUMPHON/TAB GAI	VTSE	Nil	Full	Full	Full	N	Y	Y

Agenda Item 3

13/03/15

Thailand	PATTANI	VTSK	Nil	Nil	Full	Full	N	Y	Y
Thailand	LOEI	VTUL	Limited	Limited	Full	Full	N	Y	Y
Thailand	NAKHON RATCHASIMA	VTUQ	Nil	Nil	Full	Full	N	Y	Y
Vanuatu	SANTO/PEKOA	NVSS	Full	Limited	Full	Full	Y	Y	Y
Wallis and Futuna Islands (France)	WALLIS HIHIFO	NLWW	Nil	Nil	Full	Full	Y	Y	Y