



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

IATA OPMET DATA MONITORING FOR ASIAPAC (SADIS and WIFS)

(Presented by IATA)

SUMMARY

This paper summarizes the results of a comparison of the content of the SADIS and WIFS OPMET data distribution.

1. INTRODUCTION

1.1 SADIS and WIFS are the two main data systems for weather data. Primarily SADIS is a satellite broadcasting system but it is also possible to get access to the SADIS Secure FTP Service. WIFS is only using the ftp for data provision.

1.2 Both systems are reliable source of weather data. Beside the distribution of WAFS products it is used for broadcasting OPMET data. Basis for the data distribution via SADIS/WIFS is the FASID Table MET 2A.

2. DISCUSSION

2.1 SADIS and WIFS should provide identical data sets of OPMET data. This is an essential need because it is decided that users should have only access to SADIS or WIFS. DWD – German MET Service is used as a further reference for OPMET data exchange. DWD is mostly taking the data directly from states via GTS or AFTN.

2.2 This WP is not only highlighting the differences between both systems in order to request harmonization of them. It is also provide a list of airports for which the required OPMET data are not available.

2.3 The requirements for OPMET data described in the FASID Table MET 2A which is under continuous revision. The current valid table reflects the user requirements as well as the AOP table of the ICAO regions. The latest editions of the FASID tables (28APR2014) is used for the IATA monitoring over 9 weeks period starting at 29th of December 2014.

2.4 The columns of the tables in the appendices can be interpreted as follows:

Loc Ind	NON-DWD/day	NON-SADIS/day	NON-WIFS/day	FASID	AOP	SA/SP	FC/FT	Service
AGGH	AAAAAAA	AAAAAAA	AAAAAAA	Y	Y	Y	T	F
VOCB	WWWWWWW	WWWWWWW	_____	Y	Y	Y	T	F
WAPP	_____	_____	XXXXXXX	Y	Y	Y	T	F

NON-DWD/day, NON-SADIS/day and NON-WIFS/day:

Each of these columns contains a string of 7 characters. Each character represents one weekday, starting from Monday till Sunday from left to right.

“_” – no data received or data received on SADIS and WIFS

“A” – data not received on SADIS and WIFS, but available via AFTN from BoM, SIN DB or RJTD DB

“D” – data are only available via DWD

“S” - data are only available via SADIS

“W” - data are only available via WIFS

“X” – data are available on the other two sources

FASID: Aerodrome is listed in FASID MET 2A

AOP: Aerodrome is listed (“Y”) or not listed (“N”) in the AOP table

SA/SP: METAR/SPECI is required for these aerodrome

TAF: “C” – 9H TAF required

“T” – 18/24H TAF required

“X” – 30H TAF required

Service: “F” – 24H service

“P” – non 24H service

“N” – no service (NO OPMET)

Information in RED requires special actions by ICAO and the states concerned.

AGGH: only available via AFTN

VOCB: only available on WIFS

WAPP: not available on WIFS

2.5 The comparison of DWD, SADIS and WIFS shows following findings (see attachments):

METAR AOP ASI (Attachment A):

NVSS: available on WIFS, but not on SADIS

VEGT: available via DWD but not on SADIS and WIFS

VEGY: available via DWD but not on SADIS and WIFS

VOML: available via DWD but not on SADIS and WIFS

WABB: only available via AFTN from SIN DB

WAKK: available on SADIS, but not on WIFS

WALR: available on SADIS, but not on WIFS

WIDN: available on SADIS, but not on WIFS

ZSJN: available on SADIS, but not on WIFS

METAR NON-AOP ASI (Attachment B):

OPST: available via DWD but not on SADIS and WIFS

VLLB: available on SADIS, but not on WIFS

VLLN: available on SADIS, but not on WIFS

VLPS: available on SADIS, but not on WIFS

VLSK: available on SADIS, but not on WIFS

VTPM: available on SADIS, but not on WIFS

VTSE: available on SADIS, but not on WIFS

TAF AOP ASI (Attachment C):

AYVN: available on SADIS, but not on WIFS

OAKB: available on WIFS, but not on SADIS

VCRI: available on SADIS, but not on WIFS

VEGY: available via DWD but not on SADIS and WIFS

VOBL: available on WIFS, but not on SADIS

VOCB: available on WIFS, but not on SADIS

VOML: available on WIFS, but not on SADIS

WIDN: available on WIFS, but not on SADIS

TAF NON-AOP ASI (Attachment D):

AYMH: available on SADIS, but not on WIFS

AYNZ: available on SADIS, but not on WIFS

AYWK: available on SADIS, but not on WIFS

WABP: available on SADIS, but not on WIFS

WARJ: only available via AFTN from SIN DB

WMKD: available on SADIS, but not on WIFS

2.6 The above results of the IATA monitoring show that a majority of OPMET data from the ASIAPAC region are available on both distribution system (SADIS and WIFS). It couldn't be verified if the absence of OPMET data on one of the systems is caused by the originator in the ICAO region or if this is an issue within SADIS or WIFS. However, the information provided can be very helpful in order to evaluate possible deficiencies in the data distribution.

2.7 It can be also showed that some required OPMET data are available in the SIN OPMET DB but that such data are not forwarded to SADIS and WIFS (see yellow marked airports).

2.8 In Appendix E (AOP) and Appendix F (NON-AOP) all airports are listed which do not provided OPMET data (METAR and/or TAF) as required. The reason can be that such data are not issued or that the communication is not correctly configured.

3. ACTION BY THE MEETING

3.1 The meeting is invited:

- a) to note results of the IATA OPMET data monitoring and information provided;
- b) to use the result tables to improve the OPMET data exchange on SADIS and WIFS (harmonization); and
- a) to task BoM and SIN DB to provide all available OPMET data for aerodromes listed in FASID MET 2A also to SADIS and WIFS

ATTACHMENT A

ASI – AOP – METAR – Source Comparison

Loc Ind	NON-DWD/day	NON-SADIS/day	NON-WIFS/day	FASID	AOP	SA/SP	FC/FT	Service	Name	Country	ICAO region
NVSS	W WWWWW	. W WWWWW	.	. Y	Y	. Y	T	F	. SANTO/PEKOA	Vanuatu	ASI
VEGT		. DXDXDDD	. D D DDD	. Y	Y	. Y	T	F	. GUWAHATI	India	ASI
VEGY		. D XDD	. D DD	. Y	Y	. Y	T	F	. GAYA	India	ASI
VOML		. DDDDDDD	. DDDDDDD	. Y	Y	. Y	T	F	. MANGALORE	India	ASI
VQPR		. D	. D	. Y	Y	. Y		F	. PARO/INTL	Bhutan	ASI
WABB	AAAA	. AAAA	. AAAA	. Y	Y	. Y	X	F	. BIAK/FRANS KAISIEPO	Indonesia	ASI
WAKK		.	. XXXX X	. Y	Y	. Y	T	P	. MERAUKE/MOPAH	Indonesia	ASI
WALR		.	. XXXXXXXX	. Y	Y	. Y	T	P	. TARAKAN/JUWATA	Indonesia	ASI
WIDN		.	. XXXXXXXX	. Y	Y	. Y	T	P	. FISABILILLAH TANJUNG PINANG/ RAJA HAJI	Indonesia	ASI
ZSJN		.	. XXXXXXXX	. Y	Y	. Y	T	F	. JINAN/YAOQIANG	China	ASI

ATTACHMENT B

ASI – NON-AOP – METAR – Source Comparison

Loc Ind	NON-DWD/day	NON-SADIS/day	NON-WIFS/day	FASID	AOP	SA/SP	FC /FT	Service	Name	Country	ICAO region
AYNZ	.	.	X	Y	N	Y	C	F	NADZAB SIALKOT INTERNATIONAL	Papua New Guinea	ASI
OPST	.	DDDDDD	DDDDDD	Y	N	Y	T	F	AIRPORT	Pakistan	ASI
VLLB	.	.	XXXXXX	Y	N	Y	T	P	LUANG PRABANG	Lao People's Democratic Republic	ASI
VLLN	.	.	XXXXXX	Y	N	Y	T	P	LUANG NAMTHA	Lao People's Democratic Republic	ASI
VLPS	.	.	XXXXXX	Y	N	Y	T	P	PAKSE	Lao People's Democratic Republic	ASI
VLSK	.	.	XXXXXX	Y	N	Y	T	P	SAVANNAKHET	Lao People's Democratic Republic	ASI
VTPM	.	.	XXXXXX	Y	N	Y	T	P	TAK/MAE SOT	Thailand	ASI
VTSE	.	.	XXXXXX	Y	N	Y	T	P	CHUMPHON/TAB GAI	Thailand	ASI

ATTACHMENT C

ASI – AOP – TAF – Source Comparison

Loc Ind	NON- DWD/day	NON- SADIS/day	NON- WIFS/day	FASID	AOP	SA/SP	FC/FT	Service	Name	Country	ICAO region
AYVN	A	A	XXXXXAX	Y	Y	Y		F	VANIMO	Papua New Guinea	ASI
NVSS	XXXXXXX			Y	Y	Y	T	F	SANTO/PEKOA	Vanuatu	ASI
OAKB		XXXXXXX		Y	Y	Y	T	F	KABUL INTERNATIONAL MATTALA/MATTALA RAJAPAKSA	Afghanistan	ASI
VCRI	SSSSSS		SSSSSS	Y	Y	Y	X	F	INTERNATIONAL AIRPORT	Sri Lanka	ASI
VEGT		D	D	Y	Y	Y	T	F	GUWAHATI	India	ASI
VEGY		DDDDDD	DDDDDD	Y	Y	Y	T	F	GAYA	India	ASI
VNKT			X X X	Y	Y	Y	T	F	KATHMANDU	Nepal	ASI
VOBL		XXXXXXX		Y	Y	Y	X	F	BANGALORE INTL. AIRPORT	India	ASI
VOCB		XXXXXXX		Y	Y	Y	T	F	COIMBATORE	India	ASI
VOML		XXXXXXX		Y	Y	Y	T	F	MANGALORE TANJUNG PINANG/RAJA HAJI	India	ASI
WIDN		D	DXXXXX	Y	Y	Y	T	P	FISABILILLAH	Indonesia	ASI
ZKPY	XXXXXXX			Y	Y	Y	T	F	SUNAN	Democratic People's Republic of Korea	ASI

ATTACHMENT D

ASI – NON-AOP – TAF – Source Comparison

Loc Ind	NON-DWD/day	NON-SADIS/day	NON-WIFS/day	FASID	AOP	SA/SP	FC/FT	Service	Name	Country	ICAO region
AYMH	_____	_____	XXXXXXXX	Y	N	Y	C	F	MOUNT HAGEN	Papua New Guinea	ASI
AYNZ	_____	_____	XXXXXXXX	Y	N	Y	C	F	NADZAB	Papua New Guinea	ASI
AYWK	_____	_____	XXXXXXXX	Y	N	Y	_	F	WEWAK	Papua New Guinea	ASI
WABP	_____	_____	XXXXXXXX	Y	N	Y	T	P	TIMIKA/MOSES KILANGIN	Indonesia	ASI
WARJ	AAAAA_A	AAAAA_A	AAAAA_A	Y	N	Y	T	P	YOGYAKARTA/ADI SUTJIPTO	Indonesia	ASI
WMKD	_____	_____	XXXXXXXX	Y	N	Y	_	F	KUANTAN	Malaysia (Peninsular) (Malaysia)	ASI

ATTACHMENT E

ASI – AOP – METAR - TAF – Not broadcasted

Loc Ind	SA/day	FC/day	FT/day	FASID	AOP	SA/SP	TAF	Service	Name	Country	ICAO region
ANYN	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	NAURU AIRPORT	Nauru	ASI
NGTA	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	TARAWA/BONRIKI INTL	Kiribati	ASI
NLWW	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	WALLIS HIHIFO	Wallis and Futuna Islands (France)	ASI
OAKN	~~~~~	~~~~~	~~~~~	Y	Y	Y	T	F	KANDAHAR	Afghanistan	ASI
OPGD	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	GWADAR/INTL	Pakistan	ASI
PKMJ	YYY~Y~Y	~~~~~	YYYYYYY	Y	Y	Y	T	P	MARSHALL ISLANDS/INTL MAJURO ATOLL	Marshall Islands	ASI
PLCH	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	CHRISTMAS ISLAND	Kiribati	ASI
PTPN	YYYYYYY	~~~~~	~~~~~	Y	Y	Y	T	P	POHNPEI INTL,POHNPEI ISLAND	Micronesia (Federated States of)	ASI
VCCH	~~~~~	~~~~~	~~~~~	Y	Y	Y	-	F	HINGURAKGODA/MINNERIYA	Sri Lanka	ASI
VQPR	YYY~Y~Y	~~~~~	~~~~~	Y	Y	Y	-	F	PARO/INTL	Bhutan	ASI
VRMG	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	X	F	GAN/GAN INTERNATIONAL AIRPORT	Maldives	ASI
VRMH	~~~~~	~~~~~	~~~~~	Y	Y	Y	X	F	HANIMAADHOO	Maldives	ASI
WAJJ	YYYYYYY	~~~~~	~~~~~	Y	Y	Y	T	F	JAYAPURA/SENTANI	Indonesia	ASI
WAKK	YYYY~Y~	~~~~~	~~~~~	Y	Y	Y	T	P	MERAUKE/MOPAH	Indonesia	ASI
WAPP	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	AMBON/PATTIMURA	Indonesia	ASI
WIOO	~~~~~	~~~~~	~~~~~	Y	Y	Y	T	F	PONTIANAK/SUPADIO	Indonesia	ASI
ZKPY	~~~~~	~~~~~	YYYYYYY	Y	Y	Y	T	F	SUNAN	Democratic People's Republic of Korea	ASI
ZSJN	YYYYYYY	~~~~~	~~~~~	Y	Y	Y	T	F	JINAN/YAOQIANG	China	ASI
ZUXC	~~~~~	~~~~~	~~~~~	Y	Y	Y	-	F	XICHANG/QUINGSHAN	China	ASI

ATTACHMENT F

ASI – NON-AOP – METAR - TAF – Not broadcasted

Loc Ind	SA/day	FC/day	FT/day	FASID	AOP	SA/SP	TAF	Service	Name	Country	ICAO region
AYMH	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	C	F	. MOUNT_HAGEN	Papua_New_Guinea	ASI
AYMO	~Y~YY	YYYYYY	YYYYYY	. Y	N	. Y	C	F	. MOMOTE	Papua_New_Guinea	ASI
AYNZ	~~~~~	YYYYYY	YYYYYY	. Y	N	. Y	C	F	. NADZAB	Papua_New_Guinea	ASI
AYWK	~Y~YY	YYYYYY	YYYYYY	. Y	N	. Y	_	F	. WEWAK	Papua_New_Guinea	ASI
OPDG	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	_	. D.G._KHAN_INT'L	Pakistan	ASI
RPML	~~~~~	~~~~~	~~~~~	. Y	N	. Y	T	P	. CAGAYAN_DE_ORO,_MIZAMIS_ORIENTAL	Philippines	ASI
RPML	~~~~~	~~~~~	~~~~~	. Y	N	. Y	T	P	. CAGAYAN_DE_ORO,_MIZAMIS_ORIENTAL	Philippines	ASI
RPMR	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. TAMBLER,GEN._SANTOS,SOUTH_COTABATO	Philippines	ASI
RPVD	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. DUMAGUETE/SIBULAN,_NEGROS_ORIENTAL	Philippines	ASI
RPVP	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. PUERTO_PRINCESA,_PALAWAN	Philippines	ASI
VTPB	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. PHETCHABUN	Thailand	ASI
VTPT	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. TAK	Thailand	ASI
VTSK	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. PATTANI	Thailand	ASI
VTUQ	~~~~~	~~~~~	YYYYYY	. Y	N	. Y	T	P	. NAKHON_RATCHASIMA	Thailand	ASI
WARJ	~~~~~	~~~~~	YYYY~Y	. Y	N	. Y	T	P	. YOGYAKARTA/ADI_SUTJIPTO	Indonesia	ASI
WARQ	~~~~~	~~~~~	~~~~~	. Y	N	. Y	T	P	. SOLO/ADI_SUMARMO	Indonesia	ASI
WASS	~~~~~	~~~~~	~~~~~	. Y	N	. N	T	P	. SORONG/DOMINE_EDUARD_OSOK	Indonesia	ASI