



International Civil Aviation Organization

AFI OPMET MANAGEMENT TASK FORCE FIRST MEETING (MTF/1)

(Dakar, Senegal, 19 – 20 October 2009)

Agenda Item 2: Review of the AFI Meteorological Bulletin Exchange (AMBEX) scheme**2.2: *Interregional OPMET information exchange (IROG) procedures and satellite distribution system for information relating to air navigation (SADIS)***

REVIEW OF IROG EXCHANGE PROCEDURES AND ACTIVITIES OF THE SADISOPSG

(Presented by the Secretariat)

SUMMARY

This paper presents the interregional OPMET information exchange (IROG) procedures and the activities of the SADIS Operations Group (SADISOPSG) for review by the meeting. The Task Force will particularly consider Conclusions and Decisions of the SADISOPSG of interest to the MET/SG and the APIRG.

1. INTRODUCTION

1.1 The AMBEX scheme has been upgraded to make it compatible with the existing communication environment and satisfy the evolving user requirements. In view of this, APIRG adopted conclusions 16/54 that called for the establishment of an AFI OPMET Management Task Force (AFI MTF) with terms of reference to further develop the AMBEX scheme according to the new operational requirements. In this regard, the two regional OPMET Data Banks (RODB) of Dakar and Pretoria have been attributed the functions of Interregional OPMET Gateways (IROG) in the AFI Region.

1.2 Further to the satellite distribution system for information relating to air navigation (SADIS) Operations Group (SADISOPSG) activities during its 14th meeting, AFI MTF/1 will review and submit the required actions to the attention of the MET/SG and APIRG.

2. DISCUSSIONS

2.1 In March 2009, the 7th edition of the AMBEX Handbook introduced new IROG functions in the AMBEX Scheme, to make the AMBEX scheme compatible with the existing communication environment and satisfy the evolving user requirements.

2.2 The new AFI IROG functions described in **Appendix A and A1** attached are provided for review by the meeting for implementation by the components of the AMBEX scheme as requirements for the interregional OPMET exchange and IROG functions.

Recommendation 1/xx INTERREGIONAL OPMET EXCHANGE AND IROG FUNCTIONS

That, the IROG functions and the exchange of OPMET between the AFI region and adjacent regions in Appendices A and A1 to this paper, be implemented by Dakar and Pretoria RODBs as the requirements for the Interregional OPMET exchange and IROG functions in the AFI region.

2.3 During its fourteenth meeting in Bangkok, Thailand, 15 – 17 July 2009, the SADIS Operations Group (SADISOPSG) agreed to review SADIS User Guide (SUG) Annex 1, based on proposal made by IATA to attempted to render the requirements consistent with OPMET data that was actually made available by States. Similarly, the Task Force may wish to agree that the requirements OPMET data from non-AOP aerodromes for the AFI region, be amended accordingly as given in the **Appendix B** to this working paper.

Recommendation 1/xx REVISION OF THE REQUIREMENTS OF OPMET DATA FROM NON-AOP AERODROMES IN THE AFI REGION

That, information related to the requirements of OPMET data from non-AOP aerodromes, be included in the AFI FASID MET Table 2A and Annex 1 to the SUG, as given in Appendix B to this working paper.

2.4 The Task Force then reviewed the OPMET data required from AOP aerodromes based on proposals from States and ASECNA to reflect the current status and future requirements. In this regard, the Task Force may wish to agree that the requirements OPMET data from AOP aerodromes for the AFI region, be amended accordingly as given in the **Appendix C** to this working paper.

Recommendation 1/xx REVISION OF THE REQUIREMENTS OF OPMET DATA FROM AOP AERODROMES IN THE AFI REGION

That, information related to the requirements of OPMET data from AOP aerodromes, be included in the AFI FASID MET Table 1A, as given in Appendix C to this working paper.

3. ACTION BY THE MEETING

The meeting is invited to:

- a) Note the information in this paper and;
- b) Suggest required actions to improve OPMET exchange in the AFI region.

APPENDIX A

INTER-REGIONAL OPMET EXCHANGE - IROG FUNCTIONS

1. Inter-regional OPMET Gateways (IROGs) are designated in the AFI Region for the the purpose of exchanging OPMET data between the AFI and the other ICAO Regions, as shown in the table below.

AMBEX IROG	For Exchange of OPMET data between Regions
Dakar	AFI and EUR, SAM, NAM, MID
Pretoria	AFI and MID, ASIA/PAC, EUR, SAM

2 IROGs and their functions are described at **Appendix E**. IROGs arrange for relaying all AMBEX bulletins to a corresponding OPMET Gateway in the other ICAO regions concerned. In particular:

- *Dakar IROG* relays all AFI bulletins to IROG Toulouse in the EUR Region, which serves the EUR, SAM, NAM and MID Regions, and should receive and store all required OPMET bulletins from these Regions;
- *Pretoria IROG* relays all AFI bulletins to IROG London in the EUR Region and IROG Bangkok in the the ASI/PAC Regions, and should receive and store all required OPMET bulletins from MID, ASIA/PAC, EUR, SAM Regions;

3 The following principles are applied to IROGs:

- a) IROGs should have reliable and efficient AFTN connection to the regions, for which they have exchange responsibilities, with adequate capacity to handle the OPMET data flow between the regions;
- b) IROGs should be associated with AFTN relay centres capable of handling efficiently the volume of traffic anticipated;
- c) IROGs should be capable of handling all OPMET data types, as described at para.3.1.1.

4 In order to avoid duplication of the OPMET traffic and information, all inter-regional OPMET exchange should be directed through the IROGs. Inter-regional exchange via direct AFTN addressing from the originator or AMBEX centre to recipients in the other ICAO Regions should be avoided, except when bilateral or other agreements require such direct exchanges.

APPENDIX A1

EXCHANGE OF OPMET DATA BETWEEN THE AFI, EUR, MID AND ASIA REGION

IROG's RESPONSIBILITIES

1. DAKAR IROG

1.1. Outgoing responsibilities

1.1.1 Prepare TAF bulletin FTA038 containing Dakar (GOOYYMYX), Abidjan (DIAPYMYX), Banjul (GBYDYYMYX), Bamako (GABSYMYX), Conakry (GUCYYMYX), Freetown (GFLLYMYX), Monrovia (GLRBYMYX), Nouadhibou (GQPPYMYX), Nouakchott (GQNNYMYX), Sal (GVACYMYX) and Bissau (GGOVYMYX) and send it to Rio de Janeiro and Toulouse (LFZZMAFI).

1.1.2 Prepare TAF bulletin FTA039 containing Niamey (DRRNYMYX), Accra (DGAAYMYX), Cotonou (DBBBYMYX), Kano (DNKNYMYX), Lagos (DNMMYMYX), Lomé (DXXXMYX), NDjamena (FTTJYMYX) and Ouagadougou (DFFDYMYX) and send it to Rio de Janeiro and Toulouse.

1.1.3 Prepare TAF bulletin FTAM38 containing Brazzaville (FCBBYMYX), Pointe Noire (FCPPYMYX), Bangui (FEFFYMYX), Douala (FKKDYMYX), Yaounde (FKYSYMYX), Kinshasa (FZAAAYMYX), Libreville (FOOLYMYX), Port Gentil (FOOGYMYX), Luanda (FNLUYMYX), Malabo (FGSLYMYX) and Sao Tome (FPSTYMYX) and send it to Rio de Janeiro and Toulouse.

1.1.4 Prepare TAF bulletin FTAF38 containing Alger (DAMMYMYX), Annaba (DABBYMYX), Oran (DAOOYMYX), Tamanrasset (DAATYMYX), Tunis (DTTAYMYX), Tripoli (HLLTYMYX) and Benghazi (HLLBYMYX) and send it to Rio de Janeiro et Toulouse.

1.1.5 Prepare TAF bulletin FTMC38 containing Casablanca (GMMNYMYX), Agadir (GMAAYMYX), Marrakech (GMMXYMYX), Rabat (GMMEYMYX), Tanger (GMTTYMYX), Las Palmas (GCLPYMYX) and Tenerife Sur (GCTSYMYX) and send it to Rio de Janeiro and Toulouse.

1.2. Incoming responsibilities

1.2.1 Prepare TAF bulletin FTSA38 containing Ascuncion, Buenos Aires, Campo Grande, Mendoza, Montevideo, Recife, Rio de Janeiro, Salvador, Santiago and Sao Paulo and send dit to Dakar, Abidjan, Banjul, Bamako, Conakry, Freetown, Monrovia, Nouadhibou, Nouakchott, Sal, Bissau, Niamey, Accra, Cotonou, Kano, Lagos, Lomé, NDjamena, Ouagadougou, Brazzaville, Pointe Noire, Bangui, Douala, Yaounde, Kinshasa, Libreville, Port Gentil, Luanda, Malabo, Sao Tome, Alger, Annaba, Oran, Tamanrasset, Tunis, Tripoli et Benghazi, Casablanca, Agadir, Marrakech, Rabat, Tanger, Las Palmas and Tenerife Sur.

1.2.2 Relay Toulouse TAF bulletin FTFR31, Bruxelles TAF bulletin FTBX31, Offenbach TAF bulletin FTDL31, Athène TAF bulletin FTGR31, Rome TAF bulletin FTIY31, Amsterdam TAF bulletin FTNL31, Genève TAF bulletin FTSW31 and London TAF bulletin FTUK31 to Dakar, Abidjan, Banjul, Bamako, Conakry, Freetown, Monrovia, Nouadhibou, Nouakchott, Sal, Bissau, Niamey, Accra, Cotonou, Kano, Lagos, Lomé, NDjamena, Ouagadougou, Brazzaville, Pointe Noire, Bangui, Douala, Yaounde, Kinshasa, Libreville, Port Gentil, Luanda,

Malabo, Sao Tome, Alger, Annaba, Oran, Tamanrasset, Tunis, Tripoli et Benghazi, Casablanca, Agadir, Marrakech, Rabat, Tanger, Las Palmas and Tenerife Sur.

2. JOHANNESBURG IROG

2.1. Outgoing responsibilities

2.1.1 Prepare TAF bulletin FTAP38 containing Johannesburg (FAPRYMYX), Bloemfontein (FABLYMYX), Capetown (FACTYMYX), Durban (FADNYMYX), Gaborone (FBSKYMYX), Harare (FVHAYMYX), Lilongwe (FWLIYMYX), Lusaka (FLLSYMYX), Manzini (FDMSYMYX), Beira (FQBRYMYX), Maputo (FQMAYMYX), Maseru (FXMMYMYX) and Windhoek (FYWHYMYX) and transmit to London, Toulouse, IROG, Jeddah (OEJDYPYX) and Bangkok(.....).

2.1.2 Prepare TAF bulletin FTAF38 containing Cairo (HECAYMYX), ALEXANDRIA (HEAXYMYX), Luxor (HELXYMYX) and Khartoum (HSSSYMYX) and then transmit to IROG Jeddah (OEJDYPYX) and Toulouse (LFZZMAFI).

2.1.3 Prepare TAF bulletin FTEA38 containing Addis Ababa (HAABYMYX), Asmara (HAAYMYX), Dire Dawa (HADRYMYX), Djibouti (HDAMYMYX) and transmit to IROG Jeddah (OEJDYPYX) and London(....).

2.1.4 Prepare TAF bulletin FTEA39 containing Nairobi (HKJKYPYX), Mombasa (HKMOYMYX), Dar-es-Salam (HTDAYMYX), Kilimanjaro (HTKJYMYX), Bujumbura (HBBAYMYX), Entebbe (HUENYMYX), Kigali (HRYRYMYX), Mahé (FSIAYMYX) and Mogadishu (HCMMYMYX) and transmit to IROG Jeddah (OEJDYPYX), Bombay (VABBYPYX) and London(.....)

2.1.5 Prepare TAF Bulletin FTIO38 containing Antananarivo(FMMIYMYX), Mahajanga (FMNMYMX), Mauritius (FIMPYMYX), Moroni (FMCHYMYX), Saint-Denis (FMEEYMYX), Toamasina (FMMTYMYX) and transmit to IROG Jeddah (OEJDYPYX), Toulouse, Bombay (VABBYPYX) and Bangkok.(.....)

2.2. Incoming responsibilities

2.2.1 Relay Jeddah TAF bulletin FTAS31 to Alger and Cairo BCCs.

2.2.2 Relay Beirut TAF bulletin FTAW31 to Cairo, Tripoli and Tunis.

2.2.3 Relay Bahrain TAF bulletin FTPE31 to Cairo and Khartoum.

2.2.4 Relay Bangkok TAF bulletin FTAE31 to Cairo.

2.2.5 Relay Bombay TAF bulletin FTAS31 to Nairobi

2.2.6 Relay Jeddah TAF bulletin FTAS31 to Antananarivo BCC and to Nairobi, Dar-es-Salaam and Mahe.

2.3.7 Receive via GTS from Offenbach selected EUR TAF bulletins and relay them as follows:

ROBEX Bulletins/ Bulletins ROBEX	To aerodromes / Vers les aérodrômes				
	Addis Ababa	Djibouti	Harare	Khartoum	Nairobi
FTBX31					x
FTDL31					x
FTFR31		x			x
FTGR31	x			x	x
FTIY31	x				x
FTNL31				x	x
FTSW31					x
FTUK31			x		x



APPENDIX B:

UPDATED FASID TABLE MET 2A FROM NEW REQUIREMENTS IN APPENDIX B1

**OPMET INFORMATION (METAR, SPECI AND TAF)
REQUIRED IN ISCS AND SADIS**

EXPLANATION OF THE TABLE

Column

1 Aerodromes in the AOP Tables of the Air Navigation Plans

Note: The name is extracted from the ICAO Location Indicators (Doc 7910) updated quarterly. If a state wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially.

2 Aerodromes not listed in the AOP Tables of the Air Navigation Plans

Note: The name is extracted from the ICAO Location Indicators (Doc 7910) updated quarterly. If a state wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially.

3 Location indicator

4 Availability of METAR/SPECI

5 Requirement for aerodrome forecasts in TAF code

C - Requirement for 9-hour validity aerodrome forecasts in TAF code (9H)

T - Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H)

X - Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)

6 Availability of OPMET information

F - Full : OPMET data as listed issued for the aerodrome all through the 24-hour period

P - Partial : OPMET data as listed not issued for the aerodrome for the entire 24-hour period

N - None : No OPMET data issued for the time being;



MET 2A - AFI

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/SP	TAF	Availabilit ^y
1	2	3	4	5	6
Algeria					
ADRAR/TOUAT-CHEIKH SIDI MOHAMED BELKEBIR		DAUA			F
ALGER/HOUARI BOUMEDIENE		DAAG	Y	T	F
ANNABA/RABAH BITAT		DABB	Y	T	F
	BATNA/MOSTEFA BEN BOULAID	DABT	Y	T	
	BECHAR/BOUDGHENE BEN ALI LOTFI	DAOR	Y	T	F
	BEJAIA/SOUMMAM-ABANE RAMDANE	DAAE	Y	C	F
	BISKRA Y	DAUB	Y	C	F
	BORDJ MOKHTAR	DATM	Y	T	
	BOU SAADA	DAAD	Y	T	F
CONSTANTINE/MED BOUDIAF		DABC		T	F
	DJANET/TISKA	DAAJ	Y	C	F
	ECH CHELIT	DAOI	Y	T	
	EL BAYADH	DAOY	Y	T	
	EL GOLEA	DAUE	Y	T	F
	EL OUED/GUEMAR	DAUO	Y	C	F
GHARDAIA/NOUMERAT-MOUFDI ZAKARIA		DAUG			F
	GHRISS	DAOV	Y	eT	F
	HASSI RMEL	DAFH	Y	T	
HASSI MESSAOUD/OUED IRARA-KRIM BEL		DAUH			F
	ILLIZI/TAKHAMALT	DAAP	Y	C	F
	IN GUEZZAM	DATG	Y	eT	F
IN SALAH		DAUI			F
	JIJEL/FERHAT ABBAS	DAAV	Y	C	F
	LAGHOAT AFB	DAUL	Y	T	
	MECHERIA AIRFORCE BASE	DAAY	Y	T	
ORAN/ES SENIA		DAOO	Y	T	F
	ORANTAFARAOU	DAOL	Y		
	OUARGLA	DAUU	Y	C	F
	SETIF	DAAS	Y	T	
TAMANRASSET/AGUENAR		DAAT		T	F
TEBESSA/CHEIKH LARBI TEBESSI		DABS			F
	TIARET ABDELHAFID BOUSSOUF AIN BOU CHEKIF	DAOB	Y	C	F
	TINDOUF	DAOF	Y	T	
	TIMIMOUN	DAUT	Y	C	F
TLEMCEN/ZENATA-MESSALI EL HADJ		DAON		T	F
	TOUGGOURT/SIDI MAHDI Y	DAUK	Y	C	F
ZARZAITINE/IN AMENAS		DAUZ			F
Angola					
	CABINDA	FNCA	Y	T	F
HUAMBO		FNHU			F
LUANDA/4 DE FEVEREIRO		FNLU	Y	X	F
Ascention Ile (RU)					
	ASCENTION	FHAW		T	F
	WIDEAWAKE/ASCENSION	FHAW	Y	T	
Benin					
COTONOU/CADJEHOUN		DBBB	Y	X	F



International Civil Aviation Organization

AFI OPMET MTF/1 WP3 App B

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables 1	Not Listed in AOP Tables 2	ICAO Location Indicator 3	S/SP 4	TAF 5	Availability 6
Botswana					
FRANCISTOWN		FBSK	Y	T	F
GABORONE/SIR Seretse Khama Intl		FBSK	Y	X	F
	<i>GHANZI</i>	FBGZ	Y		F
	JWANENG	FBJW	Y		
KASANE		FBKE	Y	T	F
MAUN		FBMN	Y	T	F
SELIBE-PHIKWE		FBSP	Y	T	F
	TSHABONG	FBTS	Y		
British Indian Ocean Territory (United Kingdom)					
	<i>DIEGO GARCIA (SEE/VOIR/VES "KJDG")</i>	FJDG	Y	T	F
Burkina Faso					
BOBO DIULASSO		DFOO			F
OUAGADOUGOU/AEROPORT		DFFD	Y	X	F
Burundi					
BUJUMBURA			Y	T	F
Cameroon					
DOUALA/AEROPORT		FKKD	Y	X	F
GAROUA		FKKR	Y		F
MAROUA/SALAK		FKKL			F
N'GAOUNDERE		FKKN			F
YAOUNDE/NSIMALEN		FKYS	Y	T	F
Canary Islands (Spain)					
FUERTEVENTURA		GCFV		T	F
GRAN CANARIA		GCLP	Y	T	F
HIERRO		GCHI			F
LA PALMA		GCLA			F
LANZAROTE		GCCR		T	F
TENERIFE NORTE (AD CIVIL)		GCXO	Y	T	F
TENERIFE SUR/REINA SOFIA		GCTS	Y	T	F
Cape Verde					
AMILCAR CABRAL/SAL ISLAND		GVAC	Y	X	F
PRAIA INTL		GVNP	Y	T	F
	RABIL/BOA VISTA ISLAND	GVBA	Y	T	
	<i>SAO PEDRO/SAO VICENTE ISLAND</i>	GVSV	Y	T	F
Central African Republic					
	<i>BANGASSOU</i>	FEFG	Y		F
BANGUI/M'POKO		FEFF	Y	X	F
BERBERATI		FEFT			F
Chad					
	ABECHE	FTTC	Y		
	FAYA LARGEAU	FTTY	Y		
	<i>MOUNDOU</i>	FTTD	Y		F
N'DJAMENA/HASSAN DJAMOUS		FTTJ	Y	X	F
	<i>SARH</i>	FTTA	Y		F



Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/SP	TAF	Availability
1	2	3	4	5	6
Comoros					
DZAOUDZI PAMANDZI		FMCH	Y	T	F
MORONI/IHAHAIA		FMCH	Y	X	T
Congo					
BRAZZAVILLE/MAYA-MAYA		FCBB	Y	F	F
	DOLISIE	FCPD	Y		F
	IMPFONDO	FCOI	Y		F
	OUESSO	FCOU	Y		F
POINTE NOIRE		FCPP	Y	T	F
Côte d'Ivoire					
ABIDJAN/FELIX HOUPHOUET BOIGNY		DIAP	Y	T X	F
BOUAKE		DIAP			F
	KORHOGO	DIKO	Y		F
	MAN	DIMN	Y		F
	SAN PEDRO	DISP	Y		F
	YAMOOUSSOUKRO	DIYO	Y		F
Democratic Republic of the Congo					
GOMA		FZNA			F
	KALEMIE	FZRF	Y		F
	KAMINA-BASE	FZSA	Y	T	F
	KASESE	FZOS	Y	T	F
	KINDU	FZOA	Y	T	F
KINSHASA/N'DJILI		FZAA	Y	X	F
	KINSHASA/N'DOLO	FZAB	Y	T	F
KISANGANI-BANGOKA		FZIC			F
LUBUMBASHI-LUANO		FZQA			F
	MALEBO	FZBN	Y	T	F
	MBANDAKA	FZEA	Y	T	F
MBUJI-MAYI		FZWA			F
Djibouti					
DJIBOUTI/AMBOULI		HDAM	Y	T	F
Egypt					
	ABU SIMBEL	HEBL	Y	T	F
ALEXANDRIA / INTL		HEAX	Y	T	F
ALMAZA AFB / MILITARY		HEAZ			F
ASWAN / INTL		HESN	Y	T	F
ASYUT / INTL		HEAT			F
	BORG EL ARAB / INTL	HEBA		T	F
CAIRO/INTL		HECA	Y	T	F
	EL ARISH / INTL	HEAR		T	F
HURGHADA / INTL		HEGN	Y	T	F
LUXOR / INTL		HELX	Y	T	F
	MARSA ALAM / INTL	HEMA	Y	T	F
MERSA MATRUH		HEMM		T	F
	PORT SAID/ INTL	HEPS	Y	T	F
SHARK EL OWEINAT/INTL		HEOW			F
SHARM EL SHEIKH / INTL		HESH		T	F
ST.CATHERINE / INTL		HESC		T	F
TABA / INTL		HETB		T	F



Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/S/P	TAF	Availability
1	2	3	4	5	6
Equatorial Guinea					
	BATA	FGBT	Y		F
	MALABO	FGSL	Y	T X	F
Eritrea					
	ASMARA AIS/APP/COM/MET/TWR	HHAS	Y	T	F
	ASSAB	HHSB	Y		F
Ethiopia					
	ADDIS ABABA/BOLE COM/MET/NOF	HAAB	Y	X	F
	DIRE DAWA	HADR	Y	T	F
Gabon					
	FRANCEVILLE/MVENGUE	FOON			F
	LIBREVILLE/LEON M'BA	FOOL	Y	X	F
	MOANDA	FOOD	Y		F
	PORT-GENTIL	FOOG			F
Gambia					
	BANJUL INTERNATIONAL	GBYD		X	F
Ghana					
	ACCRA/KOTOKA INTERNATIONAL	DGAA	Y	X	F
	KUMASI	DGSI			F
	TAKORADI	DGTK	Y	T	
	TAMALE	DGLE			F
Guinea					
	BOKE/BARALANDE	GUOK	Y	T	F
	CONAKRY/GBESSIA	GUCY	Y	X	F
	FARANAH/BADALA	GUFH	Y		F
	KANKAN/KANKAN	GUXN			F
	LABE/TATA	GULB			F
	N'ZEREKORE/KONIA	GUNZ			F
Guinea-Bissau					
	BISSAU/OSWALDO VIEIRA INTL	GGOV	Y	T	F
Ile de la Réunion					
	SAINT DENIS GILLOT	FMEE	Y	X	F
	SAINT PIERRE/PIERREFONDS	FMEP	Y	T	
Kenya					
	ELDORET/INTL.	HKEL	Y	T	F
	KISUMU	HKKI	Y	T	F
	MALINDI	HKML	Y	T	F
	MOMBASA/MOI INTL	HKMO	Y	T	F
	NAIROBI/JOMO KENYATTA AIRPORT TWR/APP/NOF/CIVIL AIRLINES	HKJK	Y	X	F
	NAIROBI/WILSON	HKNW	Y	T	F



Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/SP	TAF	Availability
1	2	3	4	5	6
Lesotho					
MASERU MOSHOESHOE I		FXMM	Y	T	F
Liberia					
MONROVIA/ROBERTS INTL		GLRB	Y	T	F
	MONROVIA/SPRIGGS PAYNE	GLMR	Y	T	F
Libyan Arab Jamahiriya					
BENGAZI/BENINA		HLLB	Y	T	F
	EL BEIDA / LABRAQ	HLLQ	Y	T	
	GAMAL ABD EL NASSER AIR BASE	HLGN	Y	T	
	GARDABYA	HLGD	Y	T	
	GHADAMES	HLTD	Y	T	F
	GHAT	HLGT	Y	T	
	HON	HLON	Y	T	
	KUFRA	HLKF	Y	T	F
SEBHA		HLLS			F
TRIPOLI/INTERNATIONAL		HLLT	Y	T	F
	TRIPOLI/MITIGA	HLLM	Y	T	
Madagascar					
ANTANANARIVO/IVATO		FMMI	Y	X	F
ANTSIRANANA/ARRACHART		FMNA	Y	T	F
MAHAJANGA/PH. TSIRANANA		FMNM	Y	T	F
NOSY-BE		FMNN			F
SAINTE-MARIE		FMMS	Y		F
TOAMASINA		FMMT	Y	T	F
TOLAGNARO		FMSD			F
	TOLIARA	FMST	Y	T	
Malawi					
BLANTYRE/CHILEKA		FWCL		Y	F
LILONGWE/KAMUZU INTERNATIONAL		FWKI	Y	X	F
Mali					
BAMAKO/SENOU		GABS	Y	X	F
GAO		GAGO			F
KAYES		GAKD			F
KIDAL		GAKL			F
MOPTI/AMBODEDJO		GAMB			F
NIORO		GANR			F
TOMBOUCTOU		GATB			F
Mauritania					
ATAR		GQPA			F
	KAEDI	GQNK	Y		F
NEMA		GQNI			F
NOUADHIBOU		GQPP	Y	T	F
NOUAKCHOTT/AEROPORT		GQNI	Y	X	F
ZOUERATT/TAZADIT		GQPZ			F



Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/SP	TAF	Availability
1	2	3	4	5	6
Mauritius					
	<i>RODRIGUES/PLAINE CORAIL AIRPORT</i>	FIMR	Y	T	F
SIR SEEWOSAGUR RAMGOOLAM INTERNATIONAL AIRPORT		FIMP	Y	X	F
Morocco					
AGADIR/AL MASSIRA		GMAD	Y	X	F
AL HOCEIMA/CHERIF EL IDRISSE		GMTA			V
	<i>CASABLANCA/ANFA</i>	GMMC	Y		
CASABLANCA/MOHAMMED V		GMMN	Y	X	F
ERRACHIDIA/MOULAY ALI CHERIF		GMFK	Y	T	F
FES/SAISS		GMFF	Y	X	F
	<i>LAAYOUNE/HASSAN 1 Y T F</i>	GMMML	Y	T	F
MARRAKECH/MENARA		GMMX	Y	X	F
	<i>NADOR/EL AROUI</i>	GMMW	Y		F
OUARZAZATE		GMMZ	Y	T	F
OUIJDA/ANGADS		GMFO	Y	X	F
RABAT/SALE		GMME	Y	X	F
TANGER/IBN BATOUTA		GMTT	Y	X	F
TAN-TAN/PLAGE BLANCHE		GMAT			F
TETOUAN/SANIAT R'MEL		GMTN			F
Mozambique					
BEIRA		FQBR	Y	T	F
	<i>CHIMOIO</i>	FQCH	Y	T	
	<i>INHAMBANE</i>	FQIN	Y	T	
	<i>LICHINGA</i>	FQLC	Y	T	
MAPUTO		FQMA	Y	X	F
	<i>NAMPULA</i>	FQNP	Y	T	F
	<i>PEMBA</i>	FQPB	Y	T	
	<i>QUELIMANE</i>	FQQL	Y	T	F
	<i>TETE/CHINGODZI</i>	FQTT	Y	T	F
	<i>VILANKULO</i>	FQVL	Y	T	
Namibia					
	<i>GROOTFONTEIN</i>	FYGF	Y	T	
HOSEA KUTAKO INTL AIRPORT		FYWH	Y	X	F
KEETMANSHOOP		FYKT			F
	<i>ONDANGWA</i>	FYOA	Y	T	
WALVIS BAY		FYWB			F
	<i>WINDHOEK/EROS</i>	FYWE	Y	T	
Niger					
AGADES SUD		DRZA			F
	<i>MARADI</i>	DRRM	Y		
NIAMEY		DRRN	Y	X	F
	<i>TAHOUA</i>	DRRT	Y		
ZINDER		DRZR			F



Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/SP	TAF	Availability
1	2	3	4	5	6
Nigeria					
ABUJA		DNAA	Y	X	F
	BENIN	DNBE	Y	T	F
CALABAR		DNCA			F
	ENUGU	DNEN	Y	T	F
	IBADAN (NEW)	DNIB	Y	T	F
ILORIN		DNIL			F
	JOS	DNJO	Y	T	F
KADUNA (NEW)		DNKA			F
KANO/MALLAM AMINU KANO		DNKN	Y	X	F
LAGOS/MURTALA MUHAMMED		DNMM	Y	X	F
MAIDUGURI		DNMA			F
	MINNA	DNMN	Y		
	OWERRI	DNIM	Y	T	
PORT HARCOURT		DNPO	Y	X	F
SOKOTO		DNSO			F
	YOLA	DNYO	Y	T	
Réunion (France)					
SAINT DENIS GILLOT		FMEE	Y	X	F
Rwanda					
	KAMEMBE	HRZA	Y	T	
KIGALI/GREGOIRE KAYIBANDA (ATC/RCC/DNA/NOF/MET)		HRYR	Y	T	F
Sao Tome and Principe					
SAO TOME/INTERNATIONAL, SAO TOME ISLAND		FPST	Y	X	F
Senegal					
CAP SKIRING		GOGS			F
DAKAR/YOFF		GOOY	Y	X	F
SAINT LOUIS		GOSS			F
TAMBACOUNDA		GOTT			F
ZIGUINCHOR		GOGG			F
Seychelles					
SEYCHELLES INTERNATIONAL		FSIA	Y	T	F
Sierra Leone					
FREETOWN/LUNGI		GFLL	Y	X	F
Somalia					
BERBERA		HCMH			F
BURAO		HCMV			F
EGAL INTERNATIONAL AIRPORT		HCMH			F
KISIMAYU		HCMK			F
MOGADISHU		HCMM	Y	T	F



Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location Indicator	S/SP	TAF	Availability
1	2	3	4	5	6
South Africa					
	ALEXANDER BAY	FAAB	Y		F
BLOEMFONTEIN (BLOEMFONTEIN AIRPORT)		FABL	Y	T	F
CAPE TOWN (CAPE TOWN INTERNATIONAL AIRPORT)		FACT	Y	X	F
DURBAN (DURBAN INTERNATIONAL AIRPORT)		FADN	Y	X	F
	EAST LONDON	FAEL	Y	T	F
	GEORGE (GEORGE AIRPORT)	FAGG	Y	T	F
	HOEDSPRUIT AFB	FAHS	Y	T	
	KIMBERLEY (KIMBERLEY AIRPORT)	FAKM	Y	T	F
	KRUGER MPUMALANGA INT	FAKN	Y	T	
LANSERIA		FALA			F
MAFIKENG INTL. AD		FAMM			F
	MAKHADO	FALM	Y	T	
NELSPRUIT		FANS			F
O.R TAMBO INTERNATIONAL AIRPORT		FAJS	Y	X	F
	PIETERMARITZBURG	FAPM	Y	T	
	PILANESBERG	FAPN	Y	T	
PIETERSBURG (CIVIL)		FAPI			F
PORT ELIZABETH (PORT ELIZABETH AIRPORT)		FAPE			F
	POLOKWANE INTERNATIONAL	FAPP	Y	T	
	PRETORIA/WONDERBOOM	FAWB	Y	T	
	RAND	FAGM	Y		F
	RICHARDS BAY	FARB	Y	T	
	UMTATA	FAUT	Y	T	
UPINGTON		FAUP			F
	WATERKLOOF (SAAF)	FAWK			F
Spain					
MELILLA		GEML			F
Sudan					
	DONGOLA/DONGOLA	HSDN	Y	T	F
	EL OBEID/EL OBEID INTERNATIONAL	HSOB	Y	T	F
JUBA/JUBA		HSSj			F
KASSALA/KASSALA		HSKA			F
KHARTOUM/KHARTOUM (CIVIL AVIATION DEPT.)		HSSS	Y	T	F
	MALAKAL	HSSM	Y	T	
PORT SUDAN/PORT SUDAN		HSPN			F
Swaziland					
MANZINI/MATSAPHA		FDMS	Y	T	F
Togo					
AEROPORT INTERNATIONAL GNASSINGBE EYADEMA		DXXX	Y	X	F
NIAMTOUGOU		DXXG	Y		F
	SOKODE Y F	DXSK	Y		F



Tunisia					
DJERBA/ZARZIS		DTTJ	Y	T	F
	EL BORMA	DTTR	Y	T	
	GABES Y	DTTG	Y	C	F
	GAFSA/KSAR	DTTF	Y	C	F
MONASTIR/HABIB BOURGUIBA		DTMB	Y	T	F
SFAX/THYNA		DTTX	Y		F
TABARKA/7 NOVEMBRE		DTKA	Y		F
TOZEUR/NEFTA		DTTZ	Y	T	F
TUNIS/CARTHAGE		DTTA	Y	T	F
Uganda					
ENTEbbe (INTL)		HUEN	Y	X	F
	MASINDI	HUMI	Y		
United Republic of Tanzania					
DAR ES SALAAM APP, TWR, NOF, MET, COM, CIVIL AIRLINES		HTDA	Y	X	F
	DODOMA	HTDO	Y		
	KIGOMA	HTKA	Y		
KILIMANJARO APP, TWR, AIS, MET, CIVIL AIRLINES		HTKJ	Y	T	F
	MBEYA	HTMB	Y		
	MTWARA	HTMT	Y		
	MWANZA	HTMW	Y	T	F
	PEMBA	HTPE	Y		
	SHINYANGA/IBADAKULI	HTSY	Y		
	SONGEA	HTSO	Y		
	TABORA	HTTB	Y		
	TANGA	HTTG	Y	T	F
ZANZIBAR - KISAUNI		HTZA	Y	T	F
Western Sahara					
EL AAIUN		GSAI			F
VILLACISNEROS		GSAI			F
Zambia					
	KASAMA	FLKS	Y		
LIVINGSTONE		FLLI			F
LUSAKA/INTL		FLLS	Y	X	F
MFUWE		FLMF			F
	MONGU	FLMG	Y		
NDOLA		FLND			F
Zimbabwe					
	CHIREDI/BUTALO RANGE	FVCZ	Y	T	
	GWERU/THORNHIL	FVTL	Y	T	
HARARE INTERNATIONAL		FVHA	Y	X	F
	HWANGE NATIONAL PARK		Y	T	
	KARIBA		Y	T	
	MASVINGO		Y	T	
J.M. NKOMO		FVBU			F
VICTORIA FALLS		FVHA			F



APPENDIX B1:

NEW REQUIREMENTS FOR OPMET DATA FROM NON-AOP AERODROME IN THE AFI REGION

Appendix G to the Report

G-1

APPENDIX G

Revised and New Requirements for OPMET data and availability on international distribution from Non-AOP aerodromes in the ICAO regions

15 March 2009

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The following tables contain the proposed changes for SUG Annex 1. There are new IATA requirements of OPMET data exchange and monitoring as well as changes of requirements for aerodromes already listed in the SUG Annex 1. Only differences to the existing SUG Annex 1 are listed in the tables.

Most of the proposed changes are already available on the SADIS broadcast. The proposal is a contribution to harmonize the SADIS broadcast and the SUG Annex 1.

G-2

SADISOPSG/14

Legend

Column 1:	ICAO Location Indicator (Tables are sorted according the ICAO location indicator)
Column 2:	Name of aerodrome (Non-AOP Aerodrome)
Column 3:	Country
Column 4:	METAR (SA), SPECI (SP) Y – SA and SP is required for international distribution
Column 5:	Short TAF (FC), Long TAF (FT) C - Requirement for 9-hour validity aerodrome forecasts in TAF code (9H) T - Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H) X - Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)
Column 6:	Long TAF (FT), if Y then FT are required for international distribution Y – 24H FT is required for international distribution X – 30H FT is required for international distribution
Column 7:	Remark

Note.— *LATA does not have any requirement for Short TAF (FC).*

Changes of requirements listed in the currently valid SUG Annex 1 are highlighted as shown in the examples below.

Examples:

For DABT FT is required instead of FC

ICAO Location	Listed in AOP Tables	Country	SA/S P	FC/ FT	SA/ SP	FC/ FT
			NEW		ACTUAL	
DABT	BATNA/MOSTEPHA BEN BOULAID	Algeria	Y	T	Y	☒

For DABT FT is now additionally required

DABT	BATNA/MOSTEPHA BEN BOULAID	Algeria	Y	T	Y	
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For DABT 30H FT is now required

DABT	BATNA/MOSTEPHA BEN BOULAID	Algeria	Y	X	Y	☒
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For PGUM SA and FT is required (new requirement)

DABT	BATNA/MOSTEPHA BEN BOULAID	Algeria	Y	T		
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DABT is not longer required

AFRICA-INDIAN OCEAN (AFI) REGION

ICAO Location	Listed in AOP Tables	Country	SA /SP	FC / FT	SA /SP	FC/ FT
			NEW		ACTUAL	
DABT	BATNA/MOSTEPHA BEN BOULAID	Algeria	Y	T		
DAOR	BECHAR	Algeria	Y	T	Y	
DATM	BORDJ MOKHTAR	Algeria	Y	T		
DAAD	BOU-SAADA	Algeria	Y	T	Y	
DAOI	ECH CHELIT	Algeria	Y	T		
DAOY	EL BAYADH	Algeria	Y	T		
DAUE	EL GOLEA	Algeria	Y	T	Y	
DAOV	GHRISS	Algeria	Y	T	Y	€
DAPH	HASSI RMEL	Algeria	Y	T		
DATG	IN GUEZZAM	Algeria	Y	T	Y	€
DATG	IN GUEZZAM	Algeria	Y	T	Y	€
DAUL	LAGHOUAT AFB	Algeria	Y	T		
DAAY	MECHERIA AIRFORCE BASE	Algeria	Y	T		
DAOL	ORANTAFARA OUI	Algeria	Y			
DAAS	SETIF	Algeria	Y	T		
DAOF	TINDOUF	Algeria	Y	T		
FHAW	WIDEAWAKE/ASCENSION	Ascension Is. (United Kingdom)	Y	T		T
FBFT	FRANCISTOWN	Botswana	Y	T	Y	
FBJW	JWANENG	Botswana	Y			
FBKE	KASANE	Botswana	Y	T	Y	
FBMN	MAUN	Botswana	Y	T	Y	
FBSP	SELEBI-PHIKWE	Botswana	Y	T	Y	
FBTS	TSHABONG	Botswana	Y			
GVNP	PRAIA INTL	Cape Verde	Y	T		
GVBA	RABIL/BOA VISTA ISLAND	Cape Verde	Y	T		
GVSV	SAO PEDRO/SAO VICENTE ISLAND	Cape Verde	Y	T		
FTIC	ABECHE	Chad	Y			
FTTY	FAYA LARGEAU	Chad	Y			

ICAO Location	Listed in AOP Tables	Country	SA /SP	FC / FT	SA /SP	FC/ FT
			NEW		ACTUAL	
FMCZ	DZAOUZI	Comoros	Y	T	Y	
HEMA	MARSA ALAM	Egypt	Y	T	Y	
HADR	DIRE DAWA	Ethiopia	Y	T	Y	
DGTK	TAKORADI	Ghana	Y	T		
FMEP	SAINT PIERRE/PIERREFONDS	Ile De La Reunion (France)	Y	T		
HLLQ	EL BEIDA / LABRAQ	Libyan Arab Jamahiriya	Y	T		
HLGN	GAMAL ABD EL NASSER AIR BASE	Libyan Arab Jamahiriya	Y	T		
HLGD	GARDABYA	Libyan Arab Jamahiriya	Y	T		
HLGT	GHAT	Libyan Arab Jamahiriya	Y	T		
HLON	HON	Libyan Arab Jamahiriya	Y	T		
HLKF	KUFRA	Libyan Arab Jamahiriya	Y	T	Y	
HLLM	TRIPOLI/MITIGA	Libyan Arab Jamahiriya	Y	T		
FMNA	ANTSIRANANA	Madagascar	Y	T	Y	
FMMS	SAINT MARIE	Madagascar	Y			
FMST	TOLIARA	Madagascar	Y	T		
FIMR	RODRIGUES/PLAINE CORAIL	Mauritius	Y	T	Y	
GMMC	CASABLANCA/ANFA	Morocco	Y			
FQCH	CHIMOIO	Mozambique	Y	T		
FQIN	INHAMBANE	Mozambique	Y	T		
FQLC	LICHINGA	Mozambique	Y	T		
FQPB	PEMBA	Mozambique	Y	T		
FQVL	VILANKULO	Mozambique	Y	T		
FYGF	GROOTFONTEIN	Namibia	Y	T		
FYOA	ONDANGWA	Namibia	Y	T		
FYWE	WINDHOEK/EROS	Namibia	Y	T		
DRRM	MARADI	Niger	Y			
DRRT	TAHOUA	Niger	Y			
DNMN	MINNA	Nigeria	Y			

ICAO Location	Listed in AOP Tables	Country	SA /SP	FC / FT	SA /SP	FC/ FT
			NEW		ACTUAL	
DNIM	OWERRI	Nigeria	Y	T		
DNYO	YOLA	Nigeria	Y	T		
HRZA	KAMEMBE	Rwanda	Y	T		
FAEL	EAST LONDON	South Africa	Y	T	Y	
FAGG	GEORGE/P.O.BOTHA	South Africa	Y	T	Y	
FAHS	HOEDSPRUIT AFB	South Africa	Y	T		
FAKM	KIMBERLEY (KIMBERLEY AIRPORT)	South Africa	Y	T	Y	
FAKN	KRUGER MPUMALANGA INT	South Africa	Y	T		
FALM	MAKHADO	South Africa	Y	T		
FAPM	PIETERMARITZBURG	South Africa	Y	T		
FAPN	PILANESBERG	South Africa	Y	T		
FAPP	POLOKWANE INTERNATIONAL	South Africa	Y	T		
FAWB	PRETORIA/WONDERBOOM	South Africa	Y	T		
FARB	RICHARDS BAY	South Africa	Y	T		
FAUT	UMTATA	South Africa	Y	T		
HSSM	MALAKAL	Sudan	Y	T		
DTTR	EL BORMA	Tunisia	Y	T		
HUMI	MASINDI	Uganda	Y			
HTDO	DODOMA	United Republic of Tanzania	Y			
HTKA	KIGOMA	United Republic of Tanzania	Y			
HTMB	MBEYA	United Republic of Tanzania	Y			
HTMT	MTWARA	United Republic of Tanzania	Y			
HTPE	PEMBA	United Republic of Tanzania	Y			
HTSY	SHINYANGA/IBADAKULI	United Republic of Tanzania	Y			
HTSO	SONGEA	United Republic of Tanzania	Y			
HTTB	TABORA	United Republic of Tanzania	Y			
FLKS	KASAMA	Zambia	Y			
FLMG	MONGU	Zambia	Y			
FVCZ	CHIREDZUBUTALO RANGE	Zimbabwe	Y	T		
FVTL	GWERU/THORNHILL	Zimbabwe	Y	T		
FVWN	HWANGE NATIONAL PARK	Zimbabwe	Y	T		
FVKB	KARIBA	Zimbabwe	Y	T		
FVMV	MASVINGO	Zimbabwe	Y	T		



APPENDIX C:

UPDATED FASID TABLE MET 1A

METEOROLOGICAL SERVICES REQUIRED AT AERODROMES

EXPLANATION OF THE TABLE

Column

- 1 Name of the aerodrome or location where meteorological service is required
- Note: The name is extracted from the ICAO Location Indicators (Doc 7910) updated quarterly. If a state wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially.*
- 2 ICAO location indicator of the aerodrome
- 3 Designation of aerodrome:
RG - international general aviation, regular use
RS - international scheduled air transport, regular use
RNS - international non-scheduled air transport, regular use
AS - international scheduled air transport, alternate use
ANS - international non-scheduled air transport, alternate use
- 4 Name of the meteorological office responsible for the provision of meteorological service at the aerodrome indicated in column 1
- 5 ICAO location indicator of the responsible meteorological office
- 6 Requirement for trend forecasts
- 7 Requirement for aerodrome forecasts in TAF code
- C - Requirement for 9-hour validity aerodrome forecasts in TAF code (9H)
T - Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H)
X - Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)
- 8 Availability of OPMET information
- F - Full : OPMET data as listed issued for the aerodrome all through the 24-hour period
P - Partial : OPMET data as listed not issued for the aerodrome for the entire 24-hour period
N - None : No OPMET data issued for the time being



MET 1A - AFI

Aerodrome where service is to be provided Responsible MET Office			Responsible MET Office		Forecasts to be provided		Availability of OPMET
Name 1	ICAO Location Indicator 2	Use 3	Name 4	ICAO Location Indicator 5	TR 6	TAF 7	
Algeria							
ADRAR/TOUAT-CHEIKH SIDI MOHAMED BELKEBIR	DAUA	RS	ADRAR/TOUAT-CHEIKH SIDI MOHAMED BELKEBIR	DAUA			F
ALGER/HOUARI BOUMEDIENE	DAAG	RS	ALGER/HOUARI BOUMEDIENE	DAAG	Y	T	F
ANNABA/RABAH BITAT	DABB	RS	ANNABA/RABAH BITAT	DABB	Y	T	F
CONSTANTINE/MED BOUDIAF	DABC	RS	CONSTANTINE/MED	DABC		T	F
GHARDAIA/NOUMERAT-MOUFDI ZAKARIA	DAUG	RS	GHARDAIA/NOUMERAT-MOUFDI ZAKARIA	DAUG			F
HASSI MESSAOUD/OUED	DAUH	RS	HASSI MESSAOUD/OUED	DAUH			F
IRARA-KRIM BELKACEM IN SALAH	DAUI	RS	IRARA-KRIM BELKACEM IN SALAH	DAUI			F
ORAN/ES SENIA	DAOO	RS	ORAN/ES SENIA	DAOO	Y	T	F
TAMANRASSET/AGUENAR	DAAT	AS	TAMANRASSET/AGUENAR	DAAT		T	F
TEBESSA/CHEIKH LARBI TEBESSI	DABS	RS	TEBESSA/CHEIKH LARBI TEBESSI	DABS			F
TLEMCEN/ZENATA-MESSALI EL HADJ ZARZAITINE/IN AMENAS	DAON	RS	TLEMCEN/ZENATA-MESSALI EL HADJ ZARZAITINE/IN AMENAS	DAON		T	F
Angola							
HUAMBO	FNHU	RS	LUANDA/4 DE FEVEREIRO	FNLU			F
LUANDA/4 DE FEVEREIRO	FNLU	RS	LUANDA/4 DE FEVEREIRO	FNLU	Y	X	F
Benin							
COTONOU/CADJEHOUN	DBBB	RS	COTONOU/CADJEHOUN	DBBB	Y	X	F
Botswana							
FRANCISTOWN	FBFT	RS	GABORONE/SIR Seretse Khama Intl	FBSK	Y	T	F
GABORONE/SIR Seretse Khama Intl	FBSK	RS	GABORONE/SIR Seretse Khama Intl	FBSK	Y	X	F
KASANE	FBKE	RS	GABORONE/SIR Seretse Khama Intl	FBSK	Y	T	F
MAUN	FBMN	RS	GABORONE/SIR Seretse Khama Intl	FBSK	Y	T	F
SELIBE-PHIKWE	FBSP	RS	GABORONE/SIR Seretse Khama Intl	FBSK F	Y	T	F
Burkina Faso							
BOBO DIOULASSO	DFOO	RS	OUAGADOUGOU/AEROPORT	DFFD			F
OUAGADOUGOU/AEROPORT	DFFD	RS	OUAGADOUGOU/AEROPORT	DFFD	Y	X	F
Burundi							
BUJUMBURA	HBBA				Y	T	F
Cameroon							
DOUALA/AEROPORT	FKKD	RS	DOUALA/AEROPORT	FKKD	Y	X	F
GAROUA	FKKR	AS	GAROUA	FKKR	Y		F
MAROUA/SALAK	FKKL	RS	DOUALA/AEROPORT	FKKD			F
N'GAOUNDERE	FKKN	RS	DOUALA/AEROPORT	FKKD			F
YAOUNDE/NSIMALEN	FKYS	RS	YAOUNDE/NSIMALEN	FKYS	Y	T	F
Canary Islands (Spain)							
FUERTEVENTURA	GCFV	RS	GRAN CANARIA T F	GCLP		T	F
GRAN CANARIA	GCLP	RS	GRAN CANARIA	GCLP	Y	T	F
HIERRO	GCHI	RS	GRAN CANARIA	GCLP			F
LA PALMA	GCLA	RS	GRAN CANARIA	GCLP			F
LANZAROTE	GCRR	RS	GRAN CANARIA	GCLP		T	F
TENERIFE NORTE (AD CIVIL)	GCXO	RS	TENERIFE NORTE (AD CIVIL)	GCXO	Y	T	F
TENERIFE SUR/REINA SOFIA	GCTS	RS	TENERIFE SUR/REINA SOFIA	GCTS	Y	T	F



Aerodrome where service is to be provided Responsible MET Office			Responsible MET Office		Forecasts to be provided		Availability of OPMET
Name	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TA F	
1	2	3	4	5	6	7	8
Cape Verde							
AMILCAR CABRAL/SAL ISLAND	GVAC	RS	AMILCAR CABRAL/SAL ISLAND	GVAC	Y	X	F
PRAIA	GVNP	RS	AMILCAR CABRAL/SAL ISLAND	GVAC	Y	T	F
Central African Republic							
BANGUI/M'POKO	FEFF	RS	BANGUI/M'POKO	FEFF	Y	X	F
BERBERATI	FEFT	RS	BANGUI/M'POKO	FEFF			F
Chad							
N'DJAMENA/HASSAN DJAMOUS	FTTJ	RS	N'DJAMENA/HASSAN DJAMOUS	FTTJ	Y	X	F
Comoros							
DZAOUDZI PAMANDZI	FMCZ	RS	MORONI/IHAHAIA	FMCH	Y	T	F
MORONI/IHAHAIA	FMCH	RS	MORONI/IHAHAIA	FMCH		Y	T
Congo							
BRAZZAVILLE/MAYA-MAYA	FCBB	RS	BRAZZAVILLE/MAYA-MAYA	FCBB	Y	F	F
POINTE NOIRE	FCPP	RS	POINTE NOIRE	FCPP	Y	T	F
Côte d'Ivoire							
ABIDJAN/FELIX HOUPHOUET BOIGNY	DIAP	RS	ABIDJAN/FELIX Houphouet Boigny	DIAP	Y	±X	F
BOUAKE	DIBK	RS	ABIDJAN/FELIX Houphouet Boigny	DIAP			F
Democratic Republic of the Congo							
GOMA	FZNA	RS	KINSHASA/N'DJILI	FZAA			F
KINSHASA/N'DJILI	FZAA	RS	KINSHASA/N'DJILI	FZAA	Y	X	F
KISANGANI-BANGOKA	FZIC	AS	KINSHASA/N'DJILI	FZAA			F
LUBUMBASHI-LUANO	FZQA	AS	KINSHASA/N'DJILI	FZAA			F
MBUJI-MAYI	FZWA	AS	KINSHASA/N'DJILI	FZAA			F
Djibouti							
DJIBOUTI/AMBOULI	HDAM	RS	DJIBOUTI/AMBOULI	HDAM	Y	T	F
Egypt							
ALEXANDRIA / INTL	HEAX	RS	CAIRO/INTL	HECA	Y	T	F
ALMAZA AFB / MILITARY	HEAZ	RNS					F
ASWAN / INTL	HESN	RS	CAIRO/INTL	HECA	Y	T	F
ASYUT / INTL	HEAT	RS					F
CAIRO/INTL	HECA		CAIRO/INTL	HECA	Y	T	F
HURGHADA / INTL	HEGN	RS	CAIRO/INTL	HECA	Y	T	F
LUXOR / INTL	HELX	RS	CAIRO/INTL	HECA	Y	T	F
MERSA MATRUH	HEMM	RS	CAIRO/INTL	HECA		T	F
SHARK EL OWEINAT/INTL	HEOW	AS					F
SHARM EL SHEIKH / INTL	HESH	RS	CAIRO/INTL	HECA		T	F
ST.CATHERINE / INTL	HESC	AS	CAIRO/INTL	HECA		T	F
TABA / INTL	HETB	RS	CAIRO/INTL	HECA		T	F
Equatorial Guinea							
MALABO	FGSL	RS	MALABO	FGSL	Y	±X	F



Aerodrome where service is to be provided Responsible MET Office			Responsible MET Office		Forecasts to be provided		Availability of OPMET
Name 1	ICAO Location Indicator 2	Use 3	Name 4	ICAO Location Indicator 5	TR 6	TA F 7	
Eritrea							
ASMARA AIS/APP/COM/MET/TWR	HHAS	RS	ASMARA AIS/APP/COM/MET/TWR	HHAS	Y	T	F
ASSAB	HHSB	RS	ASSAB	HHSB	Y		F
Ethiopia							
ADDIS ABABA/BOLE COM/MET/NOF	HAAB	RS	ADDIS ABABA/BOLE COM/MET/NOF	HAAB	Y	X	F
DIRE DAWA	HADR	RS	ADDIS ABABA/BOLE COM/MET/NOF	HAAB	Y	T	F
Gabon							
FRANCEVILLE/MVENGUE	FOON	RS	LIBREVILLE/LEON M'BA F	FOOL			F
LIBREVILLE/LEON M'BA	FOOL	RS	LIBREVILLE/LEON M'BA	FOOL	Y	X	F
PORT-GENTIL	FOOG	RS	LIBREVILLE/LEON M'BA F	FOOL			F
Gambia							
BANJUL INTERNATIONAL	GBYD	RS	BANJUL INTERNATIONAL	GBYD		X	F
Ghana							
ACCRA/KOTOKA INTERNATIONAL	DGAA	RS	ACCRA/KOTOKA INTERNATIONAL	DGAA	Y	X	F
KUMASI	DGSI	RS	ACCRA/KOTOKA INTERNATIONAL	DGAA			F
TAMALE	DGLE	RS	ACCRA/KOTOKA INTERNATIONAL	DGAA			F
Guinea							
CONAKRY/GBESSIA	GUCY	RS	CONAKRY/GBESSIA	GUCY	Y	X	F
KANKAN/KANKAN	GUXN	RS	CONAKRY/GBESSIA	GUCY			F
LABE/TATA	GULB	RS	CONAKRY/GBESSIA	GUCY			F
N'ZEREKORE/KONIA	GUNZ	RS	CONAKRY/GBESSIA	GUCY			F
Guinea-Bissau							
BISSAU/OSWALDO VIEIRA INTL	GGOV	RS	BISSAU/OSWALDO VIEIRA INTL	GGOV	Y	T	F
Kenya							
ELDORET/INTL.	HKEL	RS	ELDORET/INTL.	HKEL	Y	T	F
MOMBASA/MOI INTL	HKMO	RS	MOMBASA/MOI INTL	HKMO	Y	T	F
NAIROBI/JOMO KENYATTA AIRPORT TWR/APP/NOF/CIVIL AIRLINES	HKJK	RS	NAIROBI/JOMO KENYATTA AIRPORT TWR/APP/NOF/CIVIL AIRLINES	HKJK	Y	X	F
Lesotho							
MASERU MOSHOESHOE I	FXMM	RS	MASERU MOSHOESHOE I Y T F	FXMM	Y	T	F
Liberia							
MONROVIA/ROBERTS INTL	GLRB	RS	MONROVIA/ROBERTS INTL	GLRB	Y	T	F
Libyan Arab Jamahiriya							
BENGHAZI/BENINA	HLLB	RS	BENGHAZI/BENINA	HLLB	Y	T	F
SEBHA	HLLS	RS	BENGHAZI/BENINA	HLLB			F
TRIPOLI/INTERNATIONAL	HLLT	RS	TRIPOLI/INTERNATIONAL	HLLT	Y	T	F



Aerodrome where service is to be provided Responsible MET Office			Responsible MET Office		Forecasts to be provided		Availability of OPMET
Name 1	ICAO Location Indicator 2	Use 3	Name 4	ICAO Location Indicator 5	TR 6	TAF 7	
Madagascar							
ANTANANARIVO/IVATO	FMMI	RS	ANTANANARIVO/IVATO	FMMI	Y	X	F
ANTSIRANANA/ARRACHART	FMNA			FMMI	Y	T	F
MAHAJANGA/PH. TSIRANANA	FMNM	RS	MAHAJANGA/PH. TSIRANANA Y T F	FMNM	Y	T	F
NOSY-BE	FMNN	RS	MAHAJANGA/PH. TSIRANANA	FMNM			F
SAINTE-MARIE	FMMS	RS	TOAMASINA	FMMT	Y		F
TOAMASINA	FMMT	RS	TOAMASINA	FMMT	Y	T	F
TOLAGNARO	FMSD	RS	ANTANANARIVO/IVATO	FMMI			F
Malawi							
BLANTYRE/CHILEKA	FWCL	RS	BLANTYRE/CHILEKA	FWCL		Y	F
LILONGWE/KAMUZU INTERNATIONAL	FWKI	RS	LILONGWE/KAMUZU INTERNATIONAL	FWKI	Y	X	F
Mali							
BAMAKO/SENOU	GABS	RS	BAMAKO/SENOU	GABS	Y	X	F
GAO	GAGO	RS	BAMAKO/SENOU	GABS			F
KAYES	GAKD	RS	BAMAKO/SENOU	GABS			F
KIDAL	GAKL	RS	BAMAKO/SENOU	GABS			F
MOPTI/AMBODEDJO	GAMB	RS	BAMAKO/SENOU	GABS			F
NIORO	GANR	RS	BAMAKO/SENOU	GABS			F
TOMBOUCTOU	GATB	RS	BAMAKO/SENOU	GABS			F
Mauritania							
ATAR	GQPA	RS	NOUAKCHOTT/AEROPORT	GQNN			F
NEMA	GQNI	RS	NOUAKCHOTT/AEROPORT	GQNN			F
NOUADHIBOU	GQPP	RS	NOUADHIBOU	GQPP	Y	T	F
NOUAKCHOTT/AEROPORT	GQNN	RS	NOUAKCHOTT/AEROPORT	GQNN	Y	X	F
ZOUERATT/TAZADIT	GQPZ	RS	NOUAKCHOTT/AEROPORT	GQNN			F
Mauritius							
SIR SEEWOOSAGUR RAMGOOLAM INTERNATIONAL AIRPORT	FIMP	RS	SIR SEEWOOSAGUR RAMGOOLAM INTERNATIONAL AIRPORT	FIMP	Y	X	F
Morocco							
AGADIR/AL MASSIRA	GMAD	RS	AGADIR/AL MASSIRA	GMAD	Y	X	F
AL HOCEIMA/CHERIF EL IDRISI	GMTA	RS	CASABLANCA/MOHAMMED V	GMMN			V
CASABLANCA/MOHAMMED V	GMMN	RS	CASABLANCA/MOHAMMED V	GMMN	Y	X	F
ERRACHIDIA/MOULAY ALI CHERIF	GMFK	RS	CASABLANCA/MOHAMMED V	GMMN	Y	T	F
FES/SAISS	GMFF	RS	FES/SAISS	GMFF	Y	X	F
MARRAKECH/MENARA	GMMX	RS	MARRAKECH/MENARA	GMMX	Y	X	F
OUARZAZATE	GMMZ	RS	CASABLANCA/MOHAMMED V	GMMN	Y	T	F
OUJDA/ANGADS	GMFO	RS	OUJDA/ANGADS	GMFO	Y	X	F
RABAT/SALE	GMME	RS	RABAT/SALE	GMME	Y	X	F
TANGER/IBN BATOUTA	GMTT	RS	TANGER/IBN BATOUTA	GMTT	Y	X	F
TAN-TAN/PLAGE BLANCHE	GMAT	RS	CASABLANCA/MOHAMMED V	GMMN			F
TETOUAN/SANIAT R'MEL	GMTN	RS	TANGER/IBN BATOUTA	GMTT			F
Mozambique							
BEIRA	FQBR	RS	BEIRA	FQBR	Y	T	F
MAPUTO	FQMA	RS	MAPUTO	FQMA	Y	X	F



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Name 1	ICAO Location Indicator 2	Use 3	Name 4	ICAO Location Indicator 5	TR 6	TAF 7	
Namibia							
HOSEA KUTAKO INTL AIRPORT	FYWH	RS	HOSEA KUTAKO INTL AIRPORT	FYWH	Y	X	F
KEETMANSHOOP	FYKT	RS	HOSEA KUTAKO INTL AIRPORT	FYWH			F
WALVIS BAY	FYWB	RS	HOSEA KUTAKO INTL AIRPORT	FYWH			F
Niger							
AGADES SUD	DRZA	RS	NIAMEY	DRRN			F
NIAMEY	DRRN	RS	NIAMEY	DRRN	Y	X	F
ZINDER	DRZR	RS	NIAMEY	DRRN			F
Nigeria							
ABUJA	DNAA	RS	KANO/MALLAM AMINU KANO	DNKN	Y	X	F
CALABAR	DNCA	RS	LAGOS/MURTALA MUHAMMED	DNMM			F
ILORIN	DNIL	RS	LAGOS/MURTALA MUHAMMED	DNMM			F
KADUNA (NEW)	DNKA	RS	KATSINA	DNKT			F
KANO/MALLAM AMINU KANO	DNKN	RS	KANO/MALLAM AMINU KANO	DNKN	Y	X	F
LAGOS/MURTALA MUHAMMED	DNMM	RS	LAGOS/MURTALA MUHAMMED	DNMM	Y	X	F
MAIDUGURI	DNMA	RS	KANO/MALLAM AMINU KANO	DNKN			F
PORT HARCOURT	DNPO	RS	LAGOS/MURTALA MUHAMMED	DNMM	Y	X	F
SOKOTO	DNSO	RS	KANO/MALLAM AMINU KANO	DNKN			F
Réunion (France)							
SAINT DENIS GILLOT	FMEE	RS	SAINT DENIS GILLOT	FMEE	Y	X	F
Rwanda							
KIGALI/GREGOIRE KAYIBANDA (ATC/RCC/DNA/NOF/MET)	HRYR	RS	KIGALI/GREGOIRE KAYIBANDA (ATC/RCC/DNA/NOF/MET)	HRYR	Y	T	F
Sao Tome and Principe							
SAO TOME/INTERNATIONAL,SAO TOME ISLAND	FPST	RS	SAO TOME/INTERNATIONAL,SAO TOME ISLAND	FPST	Y	X	F
Senegal							
CAP SKIRING	GOGS	RS	DAKAR/YOFF	GOOY			F
DAKAR/YOFF	GOOY	RS	DAKAR/YOFF	GOOY	Y	X	F
SAINT LOUIS	GOSS	RS	DAKAR/YOFF	GOOY			F
TAMBACOUNDA	GOTT	RS	DAKAR/YOFF	GOOY			F
ZIGUINCHOR	GOGG	RS	DAKAR/YOFF	GOOY			F
Seychelles							
SEYCHELLES INTERNATIONAL	FSIA	RS	SEYCHELLES INTERNATIONAL	FSIA	Y	T	F
Sierra Leone							
FREETOWN/LUNGI	GFLI	RS	FREETOWN/LUNGI	GFLI	Y	X	F
Somalia							
BERBERA	HCMI	AS	MOGADISHU	HCMM			F
BURAO	HCMV	RS	MOGADISHU	HCMM			F
EGAL INTERNATIONAL AIRPORT	HCMH	RS	MOGADISHU	HCMM			F
KISIMAYU	HCMK	AS	MOGADISHU	HCMM			F
MOGADISHU	HCMM	RS	MOGADISHU	HCMM	Y	T	F



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Name 1	ICAO Location Indicator 2	Use 3	Name 4	ICAO Location Indicator 5	TR 6	TAF 7	
South Africa							
BLOEMFONTEIN (BLOEMFONTEIN AIRPORT)	FABL	RS	BLOEMFONTEIN (BLOEMFONTEIN AIRPORT)	FABL	Y	T	F
CAPE TOWN (CAPE TOWN INTERNATIONAL AIRPORT)	FACT	RS	CAPE TOWN (CAPE TOWN INTERNATIONAL AIRPORT)	FACT	Y	X	F
DURBAN (DURBAN INTERNATIONAL AIRPORT)	FADN	RS	DURBAN (DURBAN INTERNATIONAL AIRPORT)	FADN	Y	X	F
LANSERIA	FALA	RS	O.R TAMBO INTERNATIONAL AIRPORT	FAJS			F
MAFIKENG INTL. AD	FAMM	AS	O.R TAMBO INTERNATIONAL AIRPORT	FAJS			F
NELSPRUIT	FANS	RS	GROOTFONTEIN	FAGF			F
O.R TAMBO INTERNATIONAL AIRPORT	FAJS	RS	O.R TAMBO INTERNATIONAL AIRPORT	FAJS	Y	X	F
PIETERSBURG (CIVIL)	FAPI	AS	O.R TAMBO INTERNATIONAL AIRPORT	FAJS			F
PORT ELIZABETH (PORT ELIZABETH AIRPORT)	FAPE	AS	O.R TAMBO INTERNATIONAL AIRPORT	FAJS			F
UPINGTON	FAUP	AS	O.R TAMBO INTERNATIONAL AIRPORT	FAJS			F
Spain							
MELILLA	GEML	RS	MELILLA	GEML			F
Sudan							
JUBA/JUBA	HSSJ	RS	KHARTOUM/KHARTOUM (CIVIL AVIATION DEPT.)	HSSS			F
KASSALA/KASSALA	HSKA	AS	KHARTOUM/KHARTOUM (CIVIL AVIATION DEPT.)	HSSS			F
KHARTOUM/KHARTOUM (CIVIL AVIATION DEPT.)	HSSS	RS	KHARTOUM/KHARTOUM (CIVIL AVIATION DEPT.)	HSSS	Y	T	F
PORT SUDAN/PORT SUDAN	HSPN	RS	WADI/NUBA LAKE	HSSW			F
Swaziland							
MANZINI/MATSAPHA	FDMS	RS	MANZINI/MATSAPHA	FDMS	Y	T	F
Togo							
AEROPORT INTERNATIONAL GNASSINGBE EYADEMA	DXXX	RS	AEROPORT INTERNATIONAL GNASSINGBE EYADEMA	DXXX	Y	X	F
NIAMTOUGOU	DXNG	RS	AEROPORT INTERNATIONAL GNASSINGBE EYADEMA	DXXX	Y		F
Tunisia							
DJERBA/ZARZIS	DTTJ	RS	TUNIS/CARTHAGE	DTTA	Y	T	F
MONASTIR/HABIB BOURGUIBA	DTMB	RS	TUNIS/CARTHAGE	DTTA	Y	T	F
SFAX/THYNA	DTTX	RS	TUNIS/CARTHAGE	DTTA	Y		F
TABARKA/7 NOVEMBRE	DTKA	RS	TUNIS/CARTHAGE	DTTA	Y		F
TOZEUR/NEFTA	DTTZ	RS	TABARKA/7 NOVEMBRE	DTKA	Y	T	F
TUNIS/CARTHAGE	DTTA	RS	TUNIS/CARTHAGE	DTTA	Y	T	F
Uganda							
ENTEBBE (INTL)	HUEN	RS	ENTEBBE (INTL)	HUEN	Y	X	F



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Name 1	ICAO Location Indicator 2	Use 3	Name 4	ICAO Location Indicator 5	TR 6	TAF 7	
United Republic of Tanzania							
DAR ES SALAAM APP, TWR, NOF, MET, COM, CIVIL AIRLINES	HTDA	RS	DAR ES SALAAM APP, TWR, NOF, MET, COM, CIVIL AIRLINES	HTDA	Y	X	F
KILIMANJARO APP, TWR, AIS, MET, CIVIL AIRLINES	HTKJ	RS	KILIMANJARO APP, TWR, AIS, MET, CIVIL AIRLINES	HTKJ	Y	T	F
ZANZIBAR - KISAUNI	HTZA	RS	ZANZIBAR - KISAUNI	HTZA	Y	T	F
Western Sahara							
EL AAIUN	GSAI	RS	EL AAIUN	GSAI			F
VILLACISNEROS	GSVO	RS	EL AAIUN	GSAI			F
Zambia							
LIVINGSTONE	FLLI	RS	LUSAKA/INTL	FLLS			F
LUSAKA/INTL	FLLS	RS	LUSAKA/INTL	FLLS	Y	X	F
MFUWE	FLMF	AS	LUSAKA/INTL	FLLS			F
NDOLA	FLND	AS	LUSAKA/INTL	FLLS			F
Zimbabwe							
HARARE INTERNATIONAL	FVHA	RS	HARARE INTERNATIONAL	FVHA	Y	X	F
J.M. NKOMO	FVBU	RS	J.M. NKOMO	FVBU			F
VICTORIA FALLS	FVFA	RS	HARARE INTERNATIONAL	FVHA			F