

## Part VI

# METEOROLOGY (MET)

### 1. Introduction

1.1 The Standards, Recommended Practices and Procedures to be applied are as listed in paragraph 1.2, Part VI - MET of the MID Basic ANP. The material in this part complements that contained in Part I – Statement of Basic Operational Requirements and Planning Criteria (BORPC) of the MID Basic ANP and should be taken into consideration in the overall planning processes for the MID Region.

1.2 This Part contains a detailed description/list of the facilities and/or services to be provided to fulfil the basic requirements of the Plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction with the MID Basic ANP, is kept under constant review by the MIDANPIRG in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO Middle East Office, Cairo.

### 2. Meteorological Service Required at Aerodromes and Requirements for Meteorological Watch Offices

(FASID Tables MET 1A and 1B)

2.1 The meteorological service to be provided at aerodromes to satisfy international flight operations is outlined in FASID Table MET 1A.

2.2 The requirements for meteorological watch offices (MWO) together with the service to be provided to flight information regions (FIR), upper flight information regions (UIR) and search and rescue regions (SRR) are listed in FASID Table MET 1B.

### 3. Exchange of Operational Meteorological Information

(FASID Tables MET 2A, 2B, 4A and 4B)

3.1 The requirements for availability of OPMET

information (METAR, SPECI and TAF) on a global basis through the AFS satellite distribution system (the SADIS and ISCS) are provided in FASID Table MET 2A. This table contains the aerodromes included in the AOP Table of the Basic ANP and those non-AOP aerodromes for which the States concerned have agreed to make available the OPMET information via the satellite distribution system on a regular basis.

3.2 FASID Table MET 2B contains the operational meteorological information which should be available in Saudi Arabia for the pilgrimage flights.

3.3 FASID Tables MET 4A and 4B set out the Regional OPMET Bulletin Exchange (ROBEX) Scheme for the exchange of (METAR), SPECI, air reports (AIREP) and (TAF).

*Note. - Details of the ROBEX procedures including the exchange of OPMET information required under the Scheme are given in the ROBEX Handbook published by the ICAO Asia and Pacific Office, Bangkok in co-ordination with the ICAO MID Office, Cairo. The ROBEX handbook is available via the MET section of:*

*<http://www.bangkok.icao.int/edocs/index.html>*

### 4. Tropical Cyclone Warning System and International Airways Volcano Watch

(FASID Table MET 3A, MET 3B and MET 3C and FASID Chart MET 3)

4.1 The areas of responsibility of the designated Tropical Cyclone Advisory Centre (TCAC), New Delhi and the MWOs to which the advisory information should be sent by the TCAC are contained in FASID Table MET 3A.

4.2 The areas of responsibility of the designated Volcanic Ash Advisory Centre (VAAC) Toulouse and the MWOs and ACCs to which the advisory information should be sent by the VAAC are contained in FASID Table MET 3B. The areas of

responsibility of the designated VAACs are shown on FASID Chart MET3.

4.3 FASID Table MET 3C sets out the selected State volcano observatories in the MID Region designated for direct notification of significant pre-eruption volcanic activity and/or volcanic ash in the atmosphere and the VAACs, MWOs and ACCs to which the notification should be sent by the observatories.

*Note 1-Operational procedures to be used for the dissemination of information on volcanic eruptions and associated ash clouds in areas which could affect routes used by international flights and necessary pre-eruption arrangements as well as the list of operational contact points are provided in the document titled Handbook on the International Airways Volcano Watch (IAVW) – Operational Procedures and Contact List (Doc 9766)*

*Note 2- Additional guidance regarding the IAVW is contained in the Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds (Doc 9691).*

## **5. World Area Forecast System (WAFS)**

(FASID Table MET 5)

5.1 FASID Table MET 5 sets out the MID Region requirements for WAFS forecasts to be provided by WAFC London.

**TABLE MET 1A - METEOROLOGICAL SERVICE AT AERODROMES***EXPLANATION OF THE TABLE**Column*

1. Name of the aerodrome.
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
  - T – Requirement for 24-hour validity aerodrome forecasts in TAF code (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

Aerodrome where service is to be provided			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	
<b>BAHRAIN</b>							
BAHRAIN INTERNATIONAL	OBBI	RS	BAHRAIN INTERNATIONAL	OBBI	Y	X	F
<b>EGYPT</b>							
ALEXANDRIA / INTL	HEAX	RS	CAIRO/INTL	HECA	Y	X	F
ALMAZA AFB/MIL	HEAZ	RNS	CAIRO/INTL	HECA		X	F
ASWAN / INTL	HESN	RS	CAIRO/INTL	HECA	Y	X	F
ASYUT/INTL	HEAT	AS	CAIRO/INTL	HECA		X	F
CAIRO/INTL	HECA	RS	CAIRO/INTL	HECA	Y	X	F
HURGHADA / INTL	HEGN	RS	CAIRO/INTL	HECA	Y	X	F
LUXOR / INTL	HELX	RS	CAIRO/INTL	HECA	Y	X	F
MARSA ALAM/INTL	HEMA	RS	CAIRO/INTL	HECA		X	F
SHARK EL OWEINAT	HEOW	AS	CAIRO/INTL	HECA		X	F
SHARM EL SHEIKH / INTL	HESH	RS	CAIRO/INTL	HECA		X	F
ST.CATHERINE / INTL	HESC	AS	CAIRO/INTL	HECA		X	F
TABA / INTL	HETB	RS	CAIRO/INTL	HECA		X	F
<b>IRAN (ISLAMIC REPUBLIC OF)</b>							
BANDAR ABBASS/INTL	OIKB	RS	TEHRAN/MEHRABAD INTL	OIII		T	F
ESFAHAN / SHAHID BEHESHTI INTL	OIFM	RS	TEHRAN/MEHRABAD INTL	OIII		X	F
MASHHAD/SHAHID HASHEMI NEJAD INTL	OIMM	RS	TEHRAN/MEHRABAD INTL	OIII		T	F
SHIRAZ/SHAHID DASTGHAIB INTL	OISS	RS	SHIRAZ/SHAHID DASTGHAIB INTL	OISS	Y	X	F
TABRIZ/INTL	OITT	RNS	TABRIZ/INTL	OITT		X	F
TEHRAN/IMAM KHOMAINI INTL	OIIE	RS	TEHRAN/MEHRABAD INTL	OIII	Y	X	F
TEHRAN/MEHRABAD INTL	OIII	RS	TEHRAN/MEHRABAD INTL	OIII	Y	T	F
ZAHEDAN/INTL	OIZH	RS	TEHRAN/MEHRABAD INTL	OIII		T	F
<b>IRAQ</b>							
BAGHDAD INTERNATIONAL AIRPORT	ORBI	RS	BAGHDAD INTERNATIONAL AIRPORT	ORBI	Y	T	F

Aerodrome where service is to be provided			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	
BASRAH INTL AIRPORT	ORMM	RS	BAGHDAD INTERNATIONAL AIRPORT	ORBI	Y	T	F
ERBIL INTL AIRPORT	ORER	RS					F
SULAYMANIYAH INTERNATIONAL AIRPORT	ORSU	RS					F
<b>ISRAEL</b>							
EILAT/J. HOZMAN AIRPORT	LLET	RNS	TEL-AVIV/BEN GURION AIRPORT	LLBG			F
HAIFA/U. MICHAELI AIRPORT	LLHA	RNS					F
OVDA AIRPORT	LLOV	RNS	TEL-AVIV/BEN GURION AIRPORT	LLBG	Y		F
TEL-AVIV/BEN GURION AIRPORT	LLBG					T	F
TEL-AVIV/SDE-DOV AIRPORT	LLSD						F
<b>JORDAN</b>							
AMMAN/MARKA	OJAM	AS	AMMAN/MARKA	OJAM	Y	T	F
AMMAN/QUEEN ALIA	OJAI	RS	AMMAN/MARKA	OJAM	Y	X	F
AQABA/KING HUSSEIN INTERNATIONAL AIRPORT	OJAQ	RNS	AMMAN/MARKA	OJAM			F
JERUSALEM/JERUSALEM	OJJR	RS	AMMAN/MARKA	OJAM			N
<b>KUWAIT</b>							
KUWAIT/INTL AIRPORT	OKBK	RS	KUWAIT/INTL AIRPORT	OKBK	Y	X	F
<b>LEBANON</b>							
BEIRUT/BEIRUT INTL	OLBA	RS	BEIRUT/BEIRUT INTL	OLBA	Y	X	F
<b>OMAN</b>							
MUSCAT/SEEB INTL.	OOMS	RS	MUSCAT/SEEB INTL.	OOMS	Y	X	F
SALALAH	OOSA	AS	SALALAH	OOSA		X	F
<b>QATAR</b>							

Aerodrome where service is to be provided			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	
DOHA INTERNATIONAL	OTBD	RS	DOHA INTERNATIONAL	OTBD	Y	T	F
<b>SAUDI ARABIA</b>							
DAMMAM/KING FAHD INTERNATIONAL	OEDF	RS				X	F
JEDDAH/KING ABDULAZIZ INTL	OEJN	RS	JEDDAH/KING ABDULAZIZ INTL	OEJN	Y	X	F
MADINAH/PRINCE MOHAMMAD BIN ABDULAZIZ	OEMA	RS	JEDDAH/KING ABDULAZIZ INTL	OEJN	Y	T	F
RIYADH/KING KHALED INTL	OERK	RS	JEDDAH/KING ABDULAZIZ INTL	OEJN	Y	X	F
<b>SYRIAN ARAB REPUBLIC</b>							
ALEPPO/INTL	OSAP	RS	DAMASCUS/INTL	OSDI		T	F
BASSEL AL-ASSAD/INTL.	OSLK	RS	DAMASCUS/INTL	OSDI		T	F
LATTAKIA DAMASCUS/INTL	OSDI	RS	DAMASCUS/INTL	OSDI	Y	X	F
<b>UNITED ARAB EMIRATES</b>							
ABU DHABI INTERNATIONAL	OMAA	RS	ABU DHABI INTERNATIONAL	OMAA	Y	X	F
AL AIN	OMAL	RS	ABU DHABI INTERNATIONAL	OMAA		X	F
DUBAI INTERNATIONAL	OMDB	RS	DUBAI INTERNATIONAL	OMDB	Y	X	F
FUJAIRAH INTERNATIONAL	OMFJ	RS	DUBAI INTERNATIONAL	OMDB		X	F
JEBEL ALI INTERNATIONAL	OMJA	RS					
RAS AL KHAIMAH INTERNATIONAL	OMRK	RS	DUBAI INTERNATIONAL	OMDB		T	F
SHARJAH INTERNATIONAL	OMSJ	RS	DUBAI INTERNATIONAL	OMDB		T	F
<b>YEMEN</b>							
ADEN/INTL	OYAA	RS	SANAA/INTL	OYSN	Y	X	F
HODEIDAH	OYHD	RS	SANAA/INTL	OYSN		T	F
MUKALLA/INTL	OYRN	RS	SANAA/INTL	OYSN		T	F
SANAA/INTL	OYSN	RS	SANAA/INTL	OYSN		T	F
TAIZ/INTL	OYTZ	RS	SANAA/INTL	OYSN		T	F

**FASID TABLE MET 1B – METEOROLOGICAL WATCH OFFICES***EXPLANATION OF THE TABLE**Column*

- |   |  |
|---|--|
| 1 | Name of State with Meteorological Watch Office (MWO) responsibility.                                 |
| 2 | Location name of the MWO   |
| 3 | ICAO location indicator assigned to the MWO.   |
| 4 | Name of FIR, the UIR and/or the search and rescue region (SRR) served by the MWO.                    |
| 5 | ICAO location indicator assigned to the ATS unit serving the FIR, UIR and/or SRR.                    |
| 6 | Requirement for issuance of SIGMET, <i>excluding</i> volcanic ash SIGMET and tropical cyclone SIGMET |
| 7 | Requirement for issuance of volcanic ash SIGMET  |
| 8 | Requirement for issuance of tropical cyclone SIGMET  |
| 9 | Remarks  |

*Note.— Unless otherwise stated in column 9, the MWO listed in column 2 is the designated collecting centre for the air reports received within the corresponding FIR/UIR listed in column 4.*

State	MWO location		Area served		SIGMET			Remarks
	Name	ICAO loc. ind.	Name	ICAO loc. ind.	WS	WV	WC	
1	2	3	4	5	6	7	8	9
<b>BAHRAIN</b>								
	BAHRAIN INTERNATIONAL	OBBI	BAHRAIN FIR and SRR	OBBS	Y	Y	Y	
<b>EGYPT</b>								
	CAIRO/INTL	HECA	CAIRO FIR and SRR	HECC	Y	Y		Asian part thereof
<b>IRAN (ISLAMIC REPUBLIC OF)</b>								
	TEHRAN/MEHRABAD INTL	OIII	TEHRAN FIR and SRR	OIIX	Y	Y	Y	
<b>IRAQ</b>								
	BAGHDAD INTERNATIONAL AIRPORT	ORBI	BAGHDAD FIR and SRR	ORBS	Y	Y		
<b>ISRAEL</b>								
	TEL-AVIV/BEN GURION AIRPORT	LLBG	TEL AVIV FIR and SRR	LLAD	Y	Y		
<b>JORDAN</b>								
	AMMAN/QUEEN ALIA	OJAI	AMMAN FIR and SRR	OJAC	Y	Y		
<b>KUWAIT</b>								
	KUWAIT/INTL AIRPORT	OKBK	KUWAIT FIR and SRR	OKAC	Y	Y	Y	
<b>LEBANON</b>								
	BEIRUT/BEIRUT INTL	OLBA	BEIRUT FIR and SRR	OLBA	Y	Y		
<b>OMAN</b>								
	MUSCAT/SEEB INTL	OOMS	MUSCAT FIR and SRR	OOMM	Y	Y	Y	
<b>SAUDI ARABIA</b>								
	JEDDAH/KING ABDULAZIZ INTL	OEJN	JEDDAH FIR and SRR	OEJD	Y	Y	Y	
<b>SYRIAN ARAB REPUBLIC</b>								
	DAMASCUS/INTL	OSDI	DAMASCUS FIR and SRR	OSDI	Y	Y		
<b>UNITED ARAB EMIRATES</b>								
	ABU DHABI INTERNATIONAL	OMAA	EMIRATES FIR and SRR	OMAE	Y	Y	Y	
<b>YEMEN</b>								
	SANAA/INTL	OYSN	SANAA FIR and SRR	OYSN	Y	Y	Y	



**TABLE MET 2A – OPMET INFORMATION (METAR, SPECI AND TAF) REQUIRED IN ISCS AND SADIS***EXPLANATION OF THE TABLE**Column*

- |   |   |
|---|---|
| 1 | Aerodromes listed in the AOP Table of the Basic ANP.      |
| 2 | Aerodromes not listed in the AOP Tables of the Basic ANP. |
| 3 | Location indicator of the aerodrome in column 1 or 2.     |
| 4 | Requirement for METAR / SPECI .                           |
| 5 | Requirement for 9- hour TAF .                             |
| 6 | Requirement for 12/18/24- hour TAF .                      |
| 7 | Remark.   |

Aerodrome			OPMET Information to be provided			Remark	
Listed in AOP Table	Not listed in AOP Table	ICAO loc. ind.	SA/SP	FC	FT		
1	2	3	4	5	6	7	
<b>BAHRAIN INTERNATIONAL</b>							
BAHRAIN INTERNATIONAL	OBBI		Y		Y		
<b>IRAN (ISLAMIC REPUBLIC OF)</b>							
AHWAZ	<i>ABA DAN</i>	OIAA	Y	Y	Y		
BANDAR ABBASS/INTL		OIAW	Y		Y		
ESFAHAN / SHAHID BEHESHTI INTL		OIKB	Y		Y		
		OIFM	Y		Y		
KERMAN		OIKK	Y		Y		
MASHHAD/SHAHID HASHEMI NEJAD INTL		OIMM	Y		Y		
SHIRAZ/SHAHID DASTGHAIB INTL		<i>UROMIYEH</i>	OISS	Y		Y	
TABRIZ/INTL			OITT	Y		Y	
TEHRAN/IMAM KHOMAINI INTL			OIIE	Y		Y	
TEHRAN/MEHRABAD INTL			OIII	Y		Y	
ZAHEDAN/INTL	OITR				Y		
	OIZH		Y		Y		
<b>IRAQ</b>							
BAGHDAD INTERNATIONAL AIRPORT		ORBI	Y		Y		
BASRAH INTL AIRPORT		ORMM	Y		Y		
<b>ISRAEL</b>							
EILAT/J. HOZMAN AIRPORT	<i>BEER-SHEBA/TEYMAN AIRSTRIP</i>	LLBS	Y	Y			
OVDA AIRPORT		LLET	Y				
TEL-AVIV/BEN GURION AIRPORT		LLOV	Y				
TEL-AVIV/SDE-DOV AIRPORT		LLBG	Y		Y		
JERUSALEM/JERUSALEM		LLSD	Y				
		OJJR	Y				
<b>JORDAN</b>							
AMMAN/MARKA		OJAM	Y		Y		
AMMAN/QUEEN ALIA		OJAI	Y		Y		
AQABA/KING HUSSEIN INTERNATIONAL AIRPORT		OJAQ	Y				
<b>KUWAIT</b>							
KUWAIT/INTL AIRPORT	OKBK		Y		Y		
<b>LEBANON</b>							
BEIRUT/BEIRUT INTL	OLBA		Y		Y		
<b>OMAN</b>							
MUSCAT/SEEB INTL.	<i>MASIRAH</i>	OOMA	Y		Y		
SALALAH		OOMS	Y		Y		
		OOSA	Y				
<b>QATAR</b>							
DOHA INTERNATIONAL	OTBD		Y		Y		

Aerodrome			OPMET Information to be			Remark	
Listed in AOP Table	Not listed in AOP Table	ICAO loc. ind.	SA/SP	FC	FT		
1	2	3	4	5	6	7	
<b>SAUDI ARABIA</b>							
DAMMAM/KING FAHD INTERNATIONAL DHAHRAN/KING ABDULAZIZ AIR BASE	ABHA	OEAB	Y		Y		
	AL-BA HA	OEBA	Y		Y		
	AL-JOUF	OESK	Y		Y		
	ARAR	OERR	Y		Y		
	BISHA	OEBH	Y		Y		
		OEDF	Y		Y		
		OEDR	Y		Y		
		GASSIM	OEGS	Y		Y	
		GURIAT	OEGT	Y		Y	
		HAIL	OEHL			Y	
JEDDAH/KING ABDULAZIZ INTL	JAZAN/KING ABDULLAH BIN ABDULAZIZ	OEGN	Y	Y	Y		
		OEJN	Y		Y		
	JUBAIL	OEJB	Y		Y		
MADINAH/PRINCE MOHAMMAD BIN ABDULAZIZ INTL		OEMA	Y		Y		
		OENG	Y		Y		
RIYADH/KING KHALED INTL	QAISUMA HHA FR AL-BA TIN	OEPA	Y		Y		
	RAFHA	OERF	Y	Y	Y		
		OERK	Y		Y		
	SHARURAH	OESH	Y		Y		
	TABUK	OETB	Y		Y		
	TAIF	OETF			Y		
	TURAIF	OETR	Y	Y	Y		
	WADI AL-DAWASIR	OEWD	Y		Y		
	WEJH	OEWJ	Y		Y		
	YENBO	OEYN	Y				
<b>SYRIAN ARAB REPUBLIC</b>							
ALEPPO/INTL		OSAP	Y		Y		
BASSEL AL-ASSAD/INTL. LATTAKIA		OSLK	Y		Y		
DAMASCUS/INTL		OSDI	Y		Y		
<b>UNITED ARAB EMIRATES</b>							
ABU DHABI INTERNATIONAL		OMAA	Y		Y		
AL AIN		OMAL	Y		Y		
DUBAI INTERNATIONAL		OMDB	Y		Y		
FUJAIRAH INTERNATIONAL		OMFJ	Y		Y		
RAS AL KHAIMAH INTERNATIONAL		OMRK	Y		Y		
SHARJAH INTERNATIONAL		OMSJ	Y		Y		
<b>YEMEN</b>							
ADEN/INTL		OYAA	Y		Y		
HODEIDAH		OYHD	Y		Y		
MUKALLA/INTL		OYRN	Y		Y		
SANAA/INTL		OYSN	Y		Y		
TAIZ/INTL	SA YUN/INTL	OYSY			Y		
		OYTZ	Y		Y		

**FASID Table MET 2B**

**EXCHANGE REQUIREMENTS FOR SIGMET, AIRMET, VOLCANIC ASH AND TROPICAL  
CYCLONE ADVISORIES, AND SPECIAL AIR REPORTS FOR WHICH SIGMET HAS NOT  
BEEN ISSUED**

Since the EUR Region has a requirement for a global set of SIGMET, AIRMET, volcanic ash and tropical cyclone advisories, and special air reports for which SIGMET has not been issued, no FASID Table MET 2B is included in the document. All the foregoing information issued outside the EUR Region should be AFTN addressed as follows:

<b>Source Region</b>	<b>Responsible EUR Gateway in</b>	<b>AFTN address to be used</b>
AFI	France	LFZZMAFI
<b><u>MID</u></b>	<b><u>Austria</u></b>	<b><u>LOZZMMID</u></b>
ASIA	United Kingdom	EGZZMASI
CAR	United Kingdom	EGZZMCAR
NAM	United Kingdom	EGZZMNAM
NAT	United Kingdom	EGZZMNAT
PAC	United Kingdom	EGZZMPAC
SAM	United Kingdom	EGZZMSAM

**TABLE MET 2C - EXCHANGE OF OPERATIONAL METEOROLOGICAL INFORMATION  
DURING THE PILGRIMAGE SEASON**

*EXPLANATION OF THE TABLE*

*Column*

- 1 Name of the State in which the operational meteorological information should be available.
- 2 Location from which, or related to which, the operational meteorological information refers.
- 3 TF . Aerodrome forecasts X: Seasonal requirement
- 4 RF . Route forecasts



**FASID TABLE MET 3A - TROPICAL CYCLONE ADVISORY CENTRE  
FOR THE MID REGION**

*EXPLANATION OF THE TABLE*

*Column*

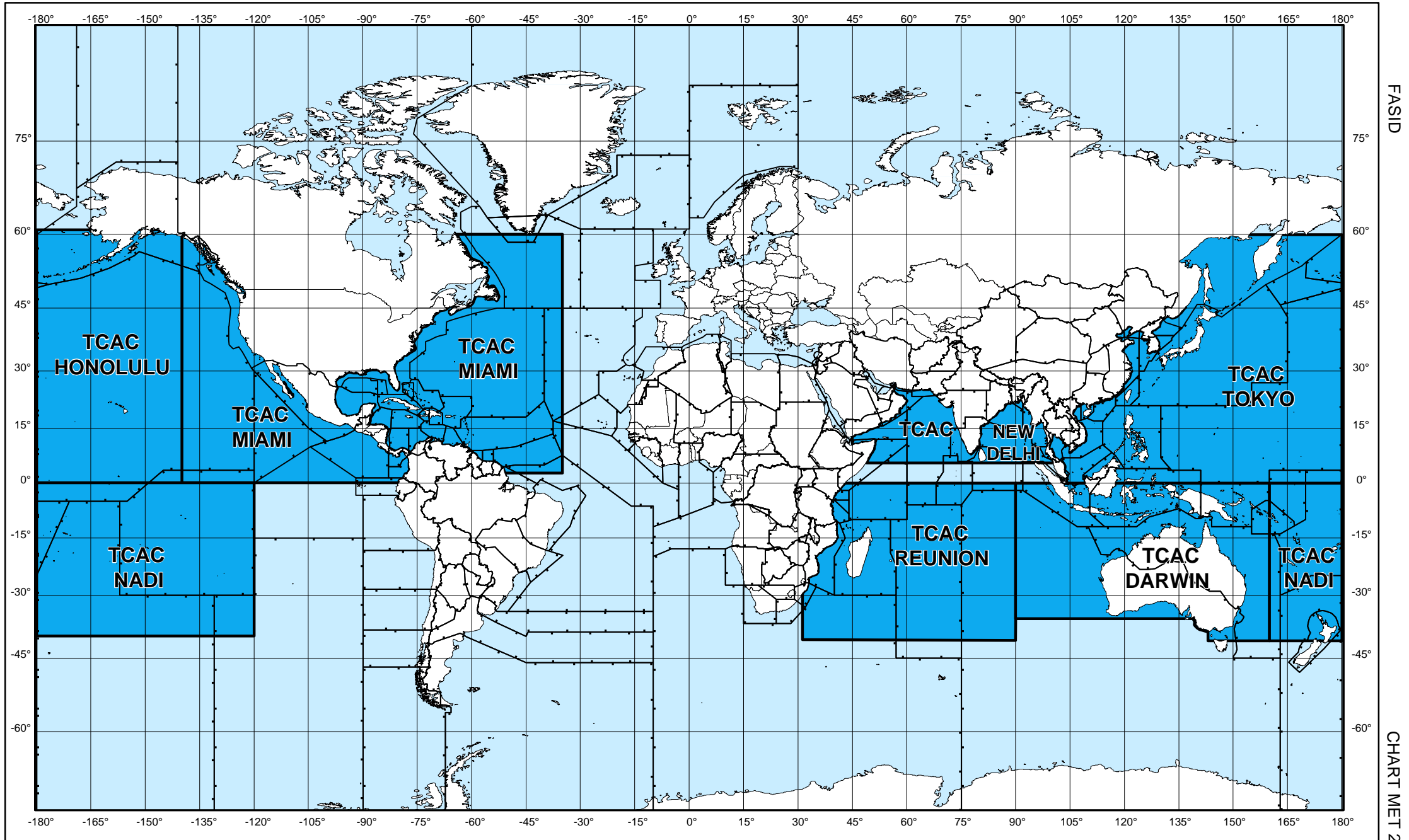
- 1 Location of the Tropical Cyclone Advisory Centre (TCAC)
- 2 ICAO location indicator of the TCAC (for use in the WMO heading of advisory bulletin)
- 3 Area of responsibility for the preparation of advisory information on tropical cyclones by the TCAC in Column 1
- 4 Period of operation of the TCAC
- 5 Meteorological Watch Office (MWO) to which the advisory information on tropical cyclones should be sent
- 6 ICAO location indicator of the MWO in Column 5

Tropical Cyclone Advisory Centre		Area of Responsibility	Tropical cyclone season <sup>1</sup>	MWO to which advisory information is to be sent	
Name	ICAO Loc. Ind.			Name	ICAO Loc. Ind.
1	2	3	4	5	6
<b>New Delhi (India)</b>	VIDP	Arabian Sea including Gulf of Oman and Gulf of Aden N: Coastline S: 5°N W: Coastline E: 65°E	April – June October – December	Abu Dhabi Bahrain Jeddah Kuwait Muscat Sana'a Tehran	OMAA OBBI OEJN OKBK OOMS OYSN OIII

<sup>1</sup> Indicates approximately the main season for tropical cyclones.



CURRENT STATUS OF ICAO TROPICAL CYCLONE ADVISORY CENTRES (TCAC) – AREAS OF RESPONSIBILITY  
SITUATION ACTUELLE DES CENTRES D'AVIS DE CYCLONES TROPICAUX (TCAC) OACI – ZONES DE RESPONSABILITÉ  
SITUACIÓN ACTUAL DE LOS CENTROS DE AVISOS DE CICLONES TROPICALES, OACI (TCAC) – ZONAS DE RESPONSABILIDAD



FASID

CHART MET 2

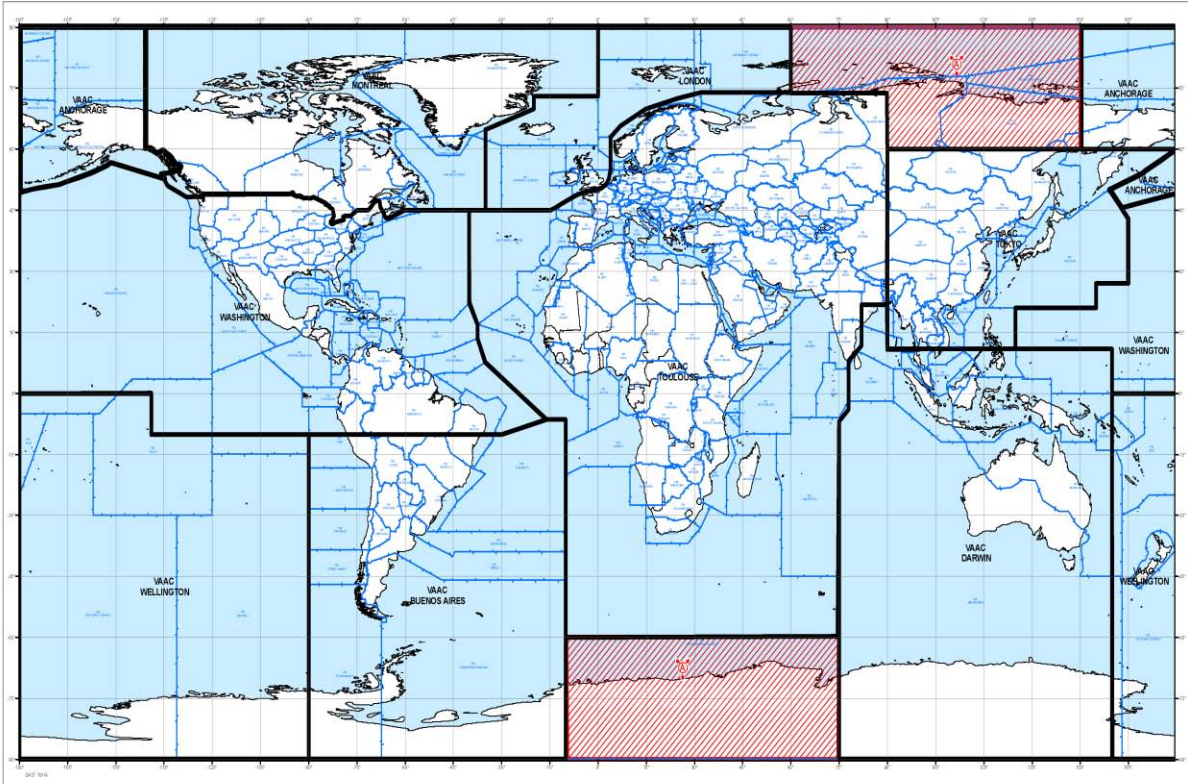
**FASID TABLE MET 3B — VOLCANIC ASH ADVISORY CENTRES***EXPLANATION OF THE TABLE**Column*

- 1 Name of the Volcanic Ash Advisory Centre (VAAC).
- 2 ICAO location indicator of VAAC (for use in the WMO heading of advisory bulletin).
- 3 Area of responsibility for the preparation of advisory information on volcanic ash by the VAAC in Column 1.
- 4 ICAO Contracting State where the MWOs and ACCs/FICs are located.
- 5 ICAO Region where the MWOs and ACCs are located.
- 6 MWOs to which the advisory information on volcanic ash should be sent.
- 7 ICAO location indicator of the MWOs in Column 6.
- 8 ACCs to which the advisory information on volcanic ash should be sent.
- 9 ICAO location indicator of the ACCs in Column 8.

Volcanic Ash Advisory Centre			State	ICAO Region	MWO to which advisory information is to be sent		ACC to which advisory information is to be sent	
Name	ICAO Loc. Ind.	Area of responsibility			Name	ICAO Loc. Ind.	Name	ICAO Loc. Ind.
1	2	3	4	5	6	7	8	9
Toulouse (France)	LFPW	The whole ICAO MID Region	Bahrain	MID	Bahrain	OBBI	Bahrain	OBBI
			Egypt	MID	Cairo	HECA	Cairo	HECC
			Iran (Islamic Republic of)	MID	Tehran	OIII	Tehran	OIII
			Iraq	MID	Baghdad	ORBI	Baghdad	ORBI
			Israel	MID	Tel Aviv	LLBG	Tel Aviv	LLAD
			Jordan	MID	Amman	OJAI	Amman	OJAC
			Kuwait	MID	Kuwait	OKBK	Kuwait	OKAC
			Lebanon	MID	Beirut	OLBA	Beirut	OLBA
			Oman	MID	Muscat	OOMS	Muscat	OOMM
			Saudi Arabia	MID	Jeddah	OEJN	Jeddah	OEJD
			Syrian Arab Republic	MID	Damascus	OSDI	Damascus	OSDI
			United Arab Emirates	MID	Abu Dhabi	OMAA	Emirates	OMAE
Yemen	MID	Sanaa	OYSN	Sanaa	OYSN			

# VOLCANIC ASH ADVISORY CENTRES (VAAC) AREAS OF COVERAGE

CURRENT STATUS OF ICAO VOLCANIC ASH ADVISORY CENTRES (VAAC) - AREAS OF RESPONSIBILITY  
SITUATION ACTUELLE DES CENTRES D'AVIS DE CENDRES VOLCANIQUES (VAAC) - ZONES DE RESPONSABILITÉ  
ESTADO ACTUAL DE LOS CENTROS DE AVISOS DE CENDRAS VOLCANICAS (VAAC) - AREAS DE RESPONSABILIDAD  
СУЩЕСТВУЮЩЕЕ РАСПРЕДЕЛЕНИЕ КОНСУЛЬТАТИВНЫХ ЦЕНТРОВ ИКАО ПО ВУЛКАНАМИЧЕСКОМУ ПЕЛУ (ВААС) - РАЙОНЫ ОТВЕТСТВЕННОСТИ



**FASID Table MET 3C**  
**SELECTED STATE VOLCANO OBSERVATORIES**

*EXPLANATION OF THE TABLE*

*Column*

- 1 Name of the Provider State of the volcano observatory designated for direct notification of volcanic activity.
- 2 Name of the volcano observatory.
- 3 VAAC to which the information related to pre-eruption volcanic activity, a volcanic eruption and/or volcanic ash cloud should be sent.
- 4 ACC to which the information related to pre-eruption volcanic activity, a volcanic eruption and/or volcanic ash cloud should be sent.
- 5 ICAO location indicator assigned to the ACC in Column 4.
- 6 MWO to which information related to pre-eruption volcanic activity, a volcanic eruption and/or volcanic ash cloud should be sent.
- 7 ICAO location indicator of the MWO listed in Column 6

## VOLCANIC ASH ADVISORY CENTRES (VAAC) AREAS OF COVERAGE

<i>Provider State of volcano observatory</i>	<i>Volcano observatory</i>	<i>VAAC to which the information is to be sent</i>	<i>ACC to which the information is to be sent</i>		<i>MWO to which information is to be sent</i>	
			<i>Name</i>	<i>ICAO Loc Ind.</i>	<i>Name</i>	<i>ICAO Loc Ind.</i>
1	2	3	4	5	6	7
...	...	VAAC Toulouse	...	...	...	...

*Note:— AFTN is not available at all selected volcano observatories and therefore it is the responsibility of each State to make appropriate communication arrangements.*

*Note:—The FASID Table MET 3C to be completed when information is provided by the States concerned*

**TABLE MET 4A - REGIONAL OPMET BULLETIN EXCHANGE (ROBEX)  
SCHEME -  
COLLECTION AREAS FOR AERODROME FORECASTS**

*EXPLANATION OF THE TABLE*

**Column**

- |   |   |
|---|---|
| 1 | Location of the TAF collection centre                                       |
| 2 | Aerodromes for which aerodrome forecasts in the TAF code form are collected |

TAF Collection centre	Collection area
BAHRAIN	ABU DHABI AL AIN BAHRAIN DAMMAM DOHA DUBAI FUJAIRAH KUWAIT MUSCAT RAS AL KHAIMAH SALALAH SHARJAH
BEIRUT	AMMAN BAGHDAD BASRAH BEIRUT DAMASCUS
JEDDAH	ADEN DHAHRAN JEDDAH MADINAH RIYADH SANA'A
TEHRAN	AHWAZ BANDAR ABBASS ESFAHAN KERMAN MASHHAD SHIRAZ TABRIZ TEHRAN ZAHEDAN



**TABLE MET 4B - REGIONAL OPMET BULLETIN EXCHANGE (ROBEX)  
SCHEME -  
COLLECTION AREAS FOR ROUTINE REPORTS AND AIR-REPORTS**

*EXPLANATION OF THE TABLE*

**Column**

- 1 Location of the METAR/AIREP collection centre
- 2 Aerodromes for which aerodrome forecasts in the METAR/AI REP code form are collected

METAR/AIREP Collection centre	Collection area
BAGHDAD	BAGHDAD BASRAH
BAHRAIN	ABU DHABI AL AIN BAHRAIN DAMMAM DOHA DUBAI FUJAIRAH KUWAIT MUSCAT RAS AL KHAIMAH SHARJAH
BEIRUT	AMMAN BEIRUT DAMASCUS
JEDDAH	JEDDAH DHAHRAN MADINAH RIYADH SANA'A
TEHRAN	AHWAZ BANDAR ABBASS ESFAHAN KABUL KANDAHAR KERMAN MASHHAD SHIRAZ TABRIZ TEHRAN ZAHEDAN

**TABLE MET 5 - MID REGION REQUIREMENTS FOR  
WORLD AREA FORECAST SYSTEM FORECASTS**

*EXPLANATION OF TABLE*

Column

1. WAFS forecasts required by the MID States, to be provided by WAFS London
2. Area of coverage required for the WAFS forecast, to be provided by WAFS London.

**FASID TABLE MET 5 – REQUIREMENTS FOR WAFS FORECASTS**

<b>FORECASTS REQUIRED</b>	<b>AREAS REQUIRED</b>
1 SWH forecasts (FL 250-630) in the BUFR code form	2 GLOBAL
SWM forecasts (FL100-250) in the BUFR code form	EUR, MID
Forecast of upper-air wind, temperature and humidity, cumulonimbus clouds, icing and clear-air and in-cloud turbulence and of altitude of flight levels in GRIB code form	GLOBAL

*Note 1.- SWM forecasts are provided for limited geographical areas as determined by regional air navigation agreement. Areas “EUR” and “MID” provided by WAFc London.*

*Note 2.- WAFc will continue to issue forecasts of SIGWX in PNG chart form for back-up purposes for fixed areas of coverage as specified in Annex*

*Note 3- Forecasts of cumulonimbus clouds, icing, and clear-air and in-cloud turbulence are experimental forecasts which are expected to become available by the end of 2009.*

WAFS MAXIMUM AREAS OF COVERAGE-POLOR STEREOGRAPIC PROJECTION (SOUTH)

