



International Civil Aviation Organization

MIDANPIRG/20 and RASG-MID/10 Meetings

(Muscat, Oman, 14-17 May 2023)

Agenda Item 6.1: MID Region Air Navigation priorities and targets

MID ANP VOL II

(Presented by the Secretariat)

SUMMARY

This paper presents the consequential amendments to the MID Air Navigation Plan, Vol II and propose amendments to update the relevant Tables of the MID eANP Vol II.

Action by the meeting is at paragraph 3

REFERENCES

- MID ANP (Doc 9708)
- Council Decision C-DEC 225/10

1. INTRODUCTION

1.1 The MID Air Navigation Plan Volume II (MID ANP Vol II) contains dynamic plan elements related to the assignment of responsibilities to States for the provision of aerodrome and air navigation facilities and services and the mandatory requirements related to aerodrome and air navigation facilities and services to be implemented by States in accordance with regional air navigation agreements.

1.2 The MID ANP Vol II does not list all facilities in the region but only those required for international civil aviation operations in accordance with regional air navigation agreements. A regional air navigation agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified.

2. DISCUSSION

2.1 The meeting may wish to recall the ICAO Council decision C-DEC 225/10 on the Proposal for amendment of the Air Navigation Plan – Middle East Region (Doc 9708) concerning the establishment of a Doha Flight Information Region (FIR) / Search and Rescue Region (SRR).

2.2 Accordingly, the elements in Volume II should be reviewed by the MIDANPIRG, in consultation with provider and user States, and with the assistance of the ICAO MID Regional Office.

2.3 The information related to Qatar facilities and services should be included in Volume II, therefore, the following tables of the MID ANP VOL II should be updated :

- a. GEN II-1 - HOMOGENEOUS ATM AREAS AND/OR MAJOR TRAFFIC FLOWS IDENTIFIED IN THE MID REGION;
- b. CNS II-3 - ATS DIRECT SPEECH CIRCUITS PLAN;
- c. ATM II-MID-2 – MID SSR CODE ALLOCATION LIST;
- d. MET II-1 - METEOROLOGICAL WATCH OFFICES; AND
- e. SAR II-1 - RESCUE COORDINATION CENTRES (RCCs) AND RESCUE SUB CENTRES (RSCs) IN THE MID REGION;

2.4 Based on all the above, the following Draft Conclusion is proposed:

Why	To update the Tables of the MID eANP, Vol II
What	Process a PfA in accordance with standard procedure
Who	ICAO
When	Q3-2023

***DRAFT CONCLUSION 20/XX: PROPOSAL FOR AMENDMENT TO THE MID
EANP VOLUME II TO INCLUDE INFORMATION
RELATED TO QATAR FACILITIES AND SERVICES***

That, the ICAO MID Office process the Proposal for Amendment to the MID eANP Vol II, at Appendix A, in accordance with standard procedure.

3. ACTION BY THE MEETING

3.1 The meeting is invited to endorse the Draft Conclusion at para. 2.4

TABLE GEN II-1 - HOMOGENEOUS ATM AREAS AND/OR MAJOR TRAFFIC FLOWS IDENTIFIED IN THE MID REGION

EXPLANATION OF TABLE

Column

1	Area of routing (AR)	Sequential number of area of routing
2	Homogeneous Areas and/or Traffic flows/routing areas	Brief description and/or name
3	FIRs involved	List of FIRs concerned
4	Type of area covered	Brief description of type of area, examples: Oceanic or Continental High or low density Oceanic en-route or Continental en-route
5	Remarks	Homogeneous ATM Area and/or Major Traffic Flow and Region(s) concerned

Area of routing (AR)	Homogeneous Areas and/or Traffic flows/routing areas	FIRs involved	Type of area covered	Remarks
1	2	3	4	5
AR1	Asia and Europe, Asia and the Middle East, Europe and the Middle East, via the northern Arabian Peninsula and Eastern Mediterranean	Amman, Bahrain, Beirut, Damascus, <u>Doha</u> , Emirates, Jeddah, Kuwait, Muscat	Continental high density	Mainly intraregional and MID to/from ASIA and EUR. Some overflying EUR/ASIA traffic
AR2	Libya, Egypt and the southern Arabian Peninsula to/from Europe, Africa, Asia and North Africa	Bahrain, Cairo, <u>Doha</u> , Emirates, Jeddah, Muscat, Sana'a, Tripoli	Remote continental and oceanic low density (but seasonally high density)	Major traffic flow mainly landing and departing the MID region. Some EUR/AFI traffic and North Africa
AR3	Asia and Europe, Asia and the Middle East, Europe and the Middle East, north of the Gulf	Emirates, Teheran	Continental high density	Major traffic flow ASIA/EUR
AR4	Gulf, Asia (Indian subcontinent) to/from North of Europe	Baghdad, Bahrain, <u>Doha</u> , Emirates, Kuwait, Muscat	Continental high density	MID to/from Asia and EUR
AR5	Gulf Area to/from Eastern, Central and West Africa	Bahrain, <u>Doha</u> , Emirates, Jeddah, Khartoum, Muscat	Continental low density (Seasonal high density)	Traffic flow Intraregional. Seasonal pilgrim flights to/from, East, Central, and West AFI

TABLE CNS II-3 - ATS DIRECT SPEECH CIRCUITS PLAN

EXPLANATION OF THE TABLE

Column 1 and 2	Circuit terminal stations are listed alphabetically by the Terminal I.
3	A — indicates ATS requirement for the establishment of voice communication within 15 seconds. D — indicates requirements for instantaneous communications.
4	Type of service specified: LTF — landline telephone (landline, cable, UHF, VHF, satellite). RTF — radiotelephone.
5	Type of circuits; Direct (DIR) or Switched (SW). D — indicates a direct circuit connecting Terminals I and II. S — indicates that a direct circuit does not exist and that the connection is established via switching at the switching centre(s) indicated in column 6. IDD — International direct dialling by public switch telephone network <i>Note 1.— Number of D and/or S circuits between Terminals I and II are indicated by numerical prefix, i.e. 2 D/S means 2 direct circuits and one switched circuit.</i> <i>Note 2.— Pending the implementation of proper ATS voice circuits, and provided that aeronautical operational requirements are met, IDD services may be used for the ATS voice communications in low traffic areas.</i>
6	Location of switching centre(s). Alternate routing location, if available, is indicated in brackets.
7	Remarks

ATS REQUIREMENTS FOR SPEECH COMMUNICATIONS			CIRCUIT			REMARKS
TERMINAL I	TERMINAL II	TYPE	SERVICE	DIR/SW	TO BE SWITCHED VIA	
1	2	3	4	5	6	7
BAHRAIN						
Bahrain	Emirates ACC	A	LTF	DIR		4 LINES
	Dammam	A	LTF	DIR		2 LINES
	Doha	A	LTF	DIR		4 LINES
	Jeddah	A	LTF	DIR		2 LINES
	Kuwait	A	LTF	DIR		1 LINES
	Riyadh	A	LTF	DIR		1 LINES
	Tehran	A	LTF	DIR		1 LINES
EGYPT						
Cairo	Amman	A	LTF	DIR		1LINE
	Athens	A	LTF	DIR		2LINES
	Jeddah	A	LTF	DIR		2LINES
	Khartoum	A	LTF			1LINE
	Nicosia	A	LTF	DIR		1LINE
	Tel Aviv	A	LTF	DIR		1LINE
	Tripoli	A	LTF	DIR		1LINE

ATS REQUIREMENTS FOR SPEECH COMMUNICATIONS			CIRCUIT			REMARKS
TERMINAL I	TERMINAL II	TYPE	SERVICE	DIR/SW	TO BE SWITCHED VIA	
1	2	3	4	5	6	7
IRAN (ISLAMIC REPUBLIC OF)						
Abadan	Basrah Shiraz	A A	LTF LTF	DIR		
Shiraz	Abadan Basrah Doha Karachi Kuwait Tehran	A A A A A A	LTF LTF LTF LTF LTF LTF	DIR DIR DIR DIR DIR		
Tehran	Emirates ACC Ankara Ashgabat Baghdad Bahrain Baku Basrah Doha Kabul Karachi Kuwait Muscat Shiraz Yerevan/Zvartn ots	A A A A A A A A A A A A A A	LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF	DIR DIR DIR DIR DIR DIR DIR DIR DIR DIR DIR DIR DIR DIR		II
IRAQ						
Baghdad	Amman Ankara Basrah Damascus Jeddah Kuwait Mosul Tehran	A A A A A A A A	LTF SAT LTF LTF LTF LTF LTF			
Basrah	Abadan Baghdad Kuwait Shiraz Tehran	A A A A A	LTF LTF LTF LTF LTF			
Mosul	Baghdad	A	LTF			
JORDAN						
Amman	Baghdad Cairo Damascus	A A A	LTF LTF LTF			

ATS REQUIREMENTS FOR SPEECH COMMUNICATIONS			CIRCUIT			REMARKS
TERMINAL I	TERMINAL II	TYPE	SERVICE	DIR/SW	TO BE SWITCHED VIA	
1	2	3	4	5	6	7
	Jeddah Tel Aviv	A A	LTF LTF			
KUWAIT Kuwait	Baghdad Bahrain Basrah Jeddah Shiraz Tehran	A A A A A A	LTF LTF LTF LTF LTF LTF	DIR DIR DIR DIR		
LEBANON Beirut	Ankara Damascus Nicosia	A A A	LTF LTF LTF	DIR DIR DIR		
LIBYA Tripoli	Cairo Malta Khartoum					
OMAN Muscat Salalah	Emirates ACC Mumbai Jeddah Karachi Salalah Sana'a Tehran Muscat	A A A A A A A A	LTF LTF LTF LTF LTF LTF LTF	DIR DIR DIR DIR DIR DIR DIR		
QATAR Doha	Emirates ACC Bahrain Jeddah Riyadh Dammam	A A A A A	LTF LTF LTF LTF	DIR DIR DIR DIR	Via Bahrain	II + 1
SAUDI ARABIA						

ATS REQUIREMENTS FOR SPEECH COMMUNICATIONS			CIRCUIT			REMARKS
TERMINAL I	TERMINAL II	TYPE	SERVICE	DIR/SW	TO BE SWITCHED VIA	
1	2	3	4	5	6	7
Dammam	Bahrain Jeddah Riyadh	A A A	LTF LTF LTF	DIR DIR DIR		
Jeddah	Addis Ababa Amman Asmara Baghdad Bahrain Cairo Dammam Khartoum Kuwait Muscat Riyadh Sana'a	A A A A A A A A A A A A A	LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF LTF	DIR DIR DIR DIR DIR DIR DIR DIR SW	Via Bahrain	
Riyadh	Bahrain Jeddah Dammam	A A A	LTF LTF LTF	DIR DIR DIR		
SUDAN Khartoum	Cairo Jeddah	A A	LTF LTF			
SYRIAN ARAB REPUBLIC Damascus	Amman Ankara Baghdad Beirut Nicosia	A A A A A	LTF LTF LTF LTF LTF	DIR		
UNITED ARAB EMIRATES Emirates ACC	Abu Dhabi Al Ain Bahrain Doha Dubai Muscat Tehran	A A A A A A A	LTF LTF LTF LTF LTF LTF LTF	DIR SW DIR DIR DIR DIR DIR		21
Abu Dhabi	Emirates ACC Al Ain	A A	LTF LTF	SW DIR		21 21

ATS REQUIREMENTS FOR SPEECH COMMUNICATIONS			CIRCUIT			REMARKS
TERMINAL I	TERMINAL II	TYPE	SERVICE	DIR/SW	TO BE SWITCHED VIA	
1	2	3	4	5	6	7
Al Ain	Dubai	A	LTF	SW		2I
	Emirates ACC	A	LTF	SW		2I
	Abu Dhabi	A	LTF	DIR		2I
	Dubai	A	LTF	SW		2I
Dubai	Emirates ACC	A	LTF	DIR		2I + 1
	Abu Dhabi	A	LTF	DIR		2I
	Al Ain	A	LTF	SW		1I
	Fujairah	A	LTF	DIR		1I
	Ras Al Khaimah	A	LTF	DIR		1I
	Sharjah	A	LTF	DIR		3I
Fujairah	Ras Al Khaimah	A	LTF	DIR		1I
	Emirates ACC	A	LTF	DIR		1I
Ras Al Khaimah	Dubai	A	LTF	DIR		1I
Sharjah	Dubai	A	LTF	DIR		3I
YEMEN						
Aden	Djibouti	A	LTF			
	Sana'a	A	LTF			
Mukalla	Aden	A	LTF			
	Sana'a	A	LTF			
Sana'a	Aden	A	LTF			
	Addis Ababa	A	LTF			
	Asmara	A	LTF			
	Mumbai	A	LTF			
	Djibouti	A	LTF			
	Jeddah	A	LTF			
	Mogadishu	A	LTF	DIR	Via Bahrain	
	Muscat	A	LTF			
Riyan	A	LTF				

TABLE ATM II-MID-2 – MID SSR CODE ALLOCATION LIST

Code	AMMAN	BAGHDAD	BAHRAIN	BEIRUT	CAIRO	DAMASCUS	Doha	EMIRATES	JEDDAH	KHARTOUM	KUWAIT	MUSCAT	SANAA	TEHRAN	TRIPOLI
0001-0077 ²															
0101-0177 ¹										T					
0200-0277 ¹									D						
0300-0377 ²															
0400-0477 ²	D							D							
0500-0577 ¹								T							
0600-0677 ¹					D			D			D				
0700-0777 ¹	T														
1001-1077 ¹		T													
1101-1177 ¹	D							D						D	
1200-1277 ¹			D							D					
1300-1377 ¹		D						D							D
1400-1477 ¹											T				
1500-1577 ¹														D	
1600-1677 ¹					T										
1700-1777 ¹								T							
2001-2077 ³															T
2100-2177 ¹			D												
2200-2277 ¹			T												
2300-2377 ¹					D										
2400-2477 ¹	D														
2500-2577 ¹				D					D						
2600-2677 ¹			T												
2700-2777 ¹			D		D										
3000-3077 ¹						D			D						
3100-3177 ¹									T						
3200-3277 ¹			T												
3300-3377 ¹					T										
3400-3477 ¹								T							
3500-3577 ¹									D						
3600-3677 ¹														T	
3700-3777 ¹											D		D		
4000-4077 ¹												T			
4100-4177 ¹									D					D	
4200-4277 ¹									T						
4300-4377 ¹				T											
4400-4477 ¹			T												
4500-4577 ¹									T						
4600-4677 ¹										D		D			
4700-4777 ¹												T			

Code	AMMAN	BAGHDAD	BAHRAIN	BEIRUT	CAIRO	DAMASCUS	<u>Doha</u> EMIRATES	JEDDAH	KHARTOUM	KUWAIT	MUSCAT	SANA'A	TEHRAN	TRIPOLI
5000-5077 ¹								D						
5100-5177 ¹													T	
5200-5277 ¹								T						
5300-5377 ³														
5400-5477 ¹													T	
5500-5577 ³														
5600-5677 ¹								D					D	
5700-5777 ¹						T								
6000-6077 ¹							D		D					
6100-6177 ¹							D					D		
6200-6277 ¹							T							
6300-6377 ¹								D					D	
6400-6477 ³														
6500-6577 ¹											D			
6600-6677 ¹											D			
6700-6777 ²														
7001-7077 ¹													T	
7100-7177 ²														
7200-7277 ¹		T												
7300-7377 ¹					T									
7400-7477 ¹		D												
7501-7577 ²														
7613-7677 ²														
7701-7775 ²														

T: codes allocated for Transit use

D: codes allocated for Domestic use

 ¹ Series allocated to the MID Region and Assigned to MID States

 ² MID Region SSR Reserve List for Domestic use

 ³ MID Region SSR Reserve List for Transit use

TABLE MET II-1 - METEOROLOGICAL WATCH OFFICES

EXPLANATION OF THE TABLE

Column

- 1 Name of the State where meteorological service is required
- 2 Name of the flight information region (FIR) or control area (CTA) 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.
- 3 ICAO location indicator of the FIR or CTA
- 4 Name of the meteorological watch office (MWO) responsible for the provision of meteorological service for the FIR or CTA
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.
- 5 ICAO location indicator of the responsible MWO
- 6 Requirement for SIGMET information (excluding for volcanic ash and for tropical cyclones) to be provided by the MWO for the FIR or CTA concerned, where:
 Y – Yes, required
 N – No, not required
- 7 Requirement for SIGMET information for volcanic ash to be provided by the MWO for the FIR or CTA concerned, where:
 Y – Yes, required
 N – No, not required
- 8 Requirement for SIGMET information for tropical cyclone to be provided by the MWO for the FIR or CTA concerned, where:
 Y – Yes, required
 N – No, not required
- 9 Requirement for AIRMET information to be provided by the MWO for the FIR or CTA concerned, where
 Y – Yes, required
 N – No, not required

State	FIR or CTA Where Meteorological Service is Required		Responsible Meteorological Watch Office		Meteorological Service To Be Provided			
	Name	ICAO Location Indicator	Name	ICAO Location Indicator	SIGMET (WS)	SIGMET (WV)	SIGMET (WC)	AIRMET (WA)
1	2	3	4	5	6	7	8	9
BAHRAIN	BAHRAIN FIR	OBBB	BAHRAIN INTL	OBBI	Y	Y	Y	
EGYPT	CAIRO FIR	HECC	CAIRO INTL	HECA	Y	Y		Y
IRAN (ISLAMIC REPUBLIC OF)	TEHRAN FIR	OIIX	TEHRAN/ MEHRABAD INTL	OIII	Y	Y	Y	
IRAQ	BAGHDAD FIR	ORBB	BAGHDAD INTL	ORBI	Y	Y		
JORDAN	AMMAN FIR	OJAC	AMMAN/QUEEN ALIA	OJAI	Y	Y		
KUWAIT	KUWAIT FIR	OKAC	KUWAIT INTL	OKBK	Y	Y	Y	
LEBANON	BEIRUT FIR	OLBB	BEIRUT/BEIRUT INTL	OLBA	Y	Y		
LIBYA	TRIPOLI FIR	HLLL*	TRIPOLI/TRIPOLI INTL	HLLT	Y	Y		
OMAN	MUSCAT FIR	OOMM	MUSCAT/MUSCAT INTL	OOMS	Y	Y	Y	
<u>Qatar</u>	<u>Doha FIR</u>	<u>OTBD</u>	<u>DOHA</u>	<u>OTHH</u>	<u>Y</u>	<u>Y</u>		
SAUDI ARABIA	JEDDAH FIR	OEJD	JEDDAH/KING ABDULAZIZ INTL	OEJN	Y	Y	Y	
SUDAN	KHARTOUM FIR	HSSS	KHARTOUM	HSSS	Y	Y		
SYRAIN ARAB REPUBLIC	DAMASCUS FIR	OSDI	DAMASCUS INTL	OSDI	Y	Y		
UNITED ARAB EMIRATES	EMIRATES FIR	OMAE	ABU DHABI INTL	OMAA	Y	Y	Y	
YEMEN	SANAA' FIR	OYSN	SANAA' INTL	OYSN	Y	Y	Y	

TABLE SAR II-1 - RESCUE COORDINATION CENTRES (RCCs) AND RESCUE SUB CENTRES (RSCs) IN THE MID REGION

EXPLANATION OF THE TABLE

Column

- 1 State
- 2 Name of the Rescue Coordination Centre (RCC) and Rescue Sub-centre (RSC).
- 3 SAR points of contact (SPOC). Name of the SPOC.
- 4 Remarks. Supplementary information such as the type of RCC (e.g. maritime or aviation or joint).

RCC and Rescue Units		SPOC	Remarks
1	2	3	4
BAHRAIN			
RCC	BAHRAIN RCC	RCC ATC Bahrain	
RSC	Qatar	DJRCC	
EGYPT			
RCC	CAIRO RCC	SAR Centre	
RSC	Alexandria		
	El Ariesch		
	Hurghada		
	Luxor		
	M. Matruh		
Ras-Banas			
IRAN			
RCC	TEHRAN RCC	RCC Teh ran	
RSC	Bandar Abbass		
	Busherhr		
	Esfahan		
	Kerman		
	Kermanshah		
	Mashhad		
Tabriz			

RCC and Rescue Units		SPOC	R e m a r k s
1	2	3	4
	Zahedan		
IRAQ			
RCC	BAGHDAD RCC	CENTA F- AUAB CAOC JSRC	
RSC	Kirkuk		
	Shaibah		
	Basrah		
JORDAN			
RCC	AMMAN RCC	RCC AT C Am man	
RSC	-		
KUWAIT			
RCC	KUWAIT RCC	RCC AT C Ku wait	
RSC	-		
LEBANON			
RCC	BEIRUT RCC	RCC Beir ut	
RSC	Tripoli		
LIBYA			
RCC	TRIPOLI RCC	CAA	
RSC	Marsa Brega		
	Sirte		
	Tobruk		
OMAN			

RCC and Rescue Units		SPOC	Remarks
1	2	3	4
RCC	MUSCAT RCC	RCC Mus cat Air Forc e	
RSC	Salalah		
<u>Qatar</u>			
<u>RCC</u>	<u>Doha RCC</u>		
SAUDI ARABIA			
RCC	JEDDAH RCC	SAMCC	
RSC	Dammam		
SUDAN			
RCC	KHARTOUM RCC	ACC Khartou m	
RSC	El Obeid		
	Juba		
	Port Sudan		
SYRIA			
RCC	DAMASCUS RCC	RCC AT C	
RSC	Damascus		
	Latakia		
UAE			
RCC	ABU DHABI RCC	AEMCC	
RSC	Abu Dhabi		
	Dubai		
YEMEN			
RCC	SANA'A RCC	RCC San aa	
RSC	Aden		
	Hodeidah		
	Riyan		

