



International Civil Aviation Organization

MIDANPIRG Air Traffic Management Sub-Group

Ninth Meeting (ATM SG/9)

(Sharm El Sheikh, Egypt, 14 – 16 November 2023)

Agenda Item 4: Planning and Implementation issues related to ATM/SAR

AIR NAVIGATION PLAN (VOL.I): FIR BOUNDARIES PFA

(Presented by the Secretariat)

SUMMARY

This paper provides an update on the MID Air Navigation Plan (MID eANP) Volume I, Part IV-ATM – [Table ATM I-1] – Flight Information Regions (FIR)/Upper Information Regions (UIR) and Part VI [Table SAR I-1] Search And Rescue Regions (SRR).

Action by the meeting is at paragraph 3.

REFERENCES

- MIDANPIRG/15 Meeting Report (Bahrain, 8 – 11 June 2015)
- MIDANPIRG/17 and RASG-MID/7 Meetings Report (Cairo, Egypt, 15 – 18 April 2019)
- MIDANPIRG/20 and RASG-MID/10 Meetings Report (Muscat, Oman, 14 – 17 May 2023)
- MSG/5 Meeting Report (Cairo, Egypt, 18 - 20 April 2016)

1. INTRODUCTION

1.1 The establishment of the electronic Air Navigation Plan (eANP) has necessitated incorporation of Flight Information Regions/Upper Information Regions (FIR/UIR) and Search and Rescue Regions (SRR) boundary dimensions.

1.2 The ICAO Council approved the new eANP Template (Volumes I, II and III) and corresponding procedure for amendment on 18 June 2014 (202nd session, fourth meeting).

1.3 The meeting may wish to recall that the MIDANPIRG/15 meeting reviewed and endorsed the MID eANP VOL I, II and III (MIDANPIRG/15 Conclusion 15/11 refers) without the FIRs/UIRs boundary coordinates (Tables ATM I-1 *MID Region Flight Information Regions (FIRs)/ Upper Information*

Regions (UIRs) and SAR I-1 MID Region Search and Rescue Regions (SRRs)). The publication of the FIR Boundary coordinates/descriptions necessitates bi-lateral/multi-lateral agreements between concerned States.

1.4 The meeting may wish to recall that the MSG/5 Conclusion 5/5 and MIDANPIRG17 meeting endorsed the Guidelines for the publication of FIR boundary points, at **Appendix A**, and through Conclusion 17/12, urged States to take into consideration the Guidelines for the description of their FIR boundaries in the States' AIPs.

2. DISCUSSION

2.1 The MIDANPIRG/20 meeting reiterated that a review of the FIRs descriptions should be conducted by the States and stressed the importance of supporting a process for checking alignment, and validation of data accuracy. Moreover, the meeting agreed that a step-by-step approach should be used in populating the Tables ATM I-1 and SAR I-1. In this regard, the meeting noted that the descriptions of Baghdad, Beirut and Damascus FIRs do not raise any concern since no inconsistency with their adjacent States was identified. Accordingly, the MIDANPIRG/20 meeting had agreed to the following Conclusion:

MIDANPIRG CONCLUSION 20/13: PROPOSAL FOR AMENDMENT TO THE MID EANP VOLUME I, TABLES ATM I-1 MID REGION FLIGHT INFORMATION REGIONS (FIRS)/UPPER INFORMATION REGIONS (UIRS) AND SARI-1 MID REGION SEARCH AND RESCUE REGIONS (SRRS)

That, the ICAO MID Office coordinate with the States concerned and process Proposal(s) for Amendment to the MID ANP Vol I, Tables ATM I-1 MID Region Flight Information Regions (FIRS)/ Upper Information Regions (UIRs) and SAR I- 1 MID Region Search and Rescue Regions (SRRs) in accordance with standard procedure.

2.2 As a follow-up to the MIDANPIRG/20 Conclusion 20/13, coordination was carried out with Iraq, Kuwait, Lebanon, Libya, Oman and Syria to include the lateral limits coordinates and vertical dimensions of their FIRs/UIRs and SRRs in Tables ATM I-1 and SAR I-1, respectively. Few inconsistencies have been identified and draft of PfA at **Appendix B** submitted to review by all MID States and this meeting before initiating standard procedure.

2.3 It is worth mentioning that the following key issues and challenges have been identified through coordination with States and preparation of PfA. **Appendix C** provides a detailed overview on the inconsistencies as well as progress in developing PfA.

- a) Non-adherence with guideline at **Appendix A**;
- b) lack of coordination between adjacent States to publish a common FIR coordinates;
- c) lack of publication of the FIR description; and
- d) non-adherence with the current coordinates published in ANP, Volume I, Chart ATS – 1.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and finalize draft PfA at **Appendix B**; and
- b) urge States to review the details of inconsistencies reported in **Appendix C** and take required coordination and action(s) to develop coordinated FIR/SRR description in their respective AIPs based on the guideline at **Appendix A**; and
- c) support the MID Office to develop and process the remaining PfA in accordance with standard procedure.

GUIDELINES FOR THE PUBLICATION OF FIR BOUNDARY POINTS

- 1) Where FIR is a list of geographical coordinates:
 - a) The list of points and their coordinates must follow a clockwise sequence.
 - b) The list must have a beginning point and an ending point that are the same coordinate.
 - c) The latitude and longitude coordinates must be reported in **DMS (degrees, minutes and seconds)**.
 - d) Where an FIR shares a common point with another neighbouring FIR, coordinates should be mutually agreed.

***Note:** Transfer of Control Points, ATS route significant points or waypoints may not necessarily be aligned with boundaries delineation.*
 - e) Where delineation of FIR/UIR follows an arc of specific dimension, it should be defined as follows:

[starting point of ARC] following an arc of a circle at a radius of [distance] NM centered on [coordinates in DMS] and ending at point [coordinates in DMS].
- 2) Where FIR is described using “sovereign” boundaries
 - a) The description should be simple
 - i) *Follow sovereign boundary between [State 1] and [State 2]).¹*
 - b) Where delineation of FIR/UIR is made by reference to sovereign boundaries common to neighbouring FIR/UIR, the delineation shall be mutually agreed upon.
 - c) Where an FIR/UIR follows a sovereign boundary, the United Nations international boundary data set is referred to by ICAO.

¹ Use short names of States as shown at: <http://www.icao.int/about-icao/pages/member-states.aspx>



PROPOSAL FOR AMENDMENT OF THE ICAO MID REGION AIR NAVIGATION PLAN, VOLUME I

(Serial No.: MID-I-23/XX-ATM)

- a) **Plan:** MID Air Navigation Plan - Volume I
- b) **Proposed amendment:** **Volume I, Part IV-ATM – [Table ATM I-1] – FLIGHT INFORMATION REGIONS (FIR)/UPPER INFORMATION REGIONS (UIR) AND Part VI [Table SAR I-1] SEARCH AND RESCUE REGIONS (SRR)**
Add,
Baghdad, Beirut, Damascus, Kuwait, Muscat and Tripoli FIR/UIR boundaries description in MID ANP volume I TABLE ATM I-1 (FLIGHT INFORMATION REGIONS (FIR)/UPPER INFORMATION REGIONS (UIR) IN THE MID REGION) and TABLE SAR I-1 (SEARCH AND RESCUE REGIONS (SRR) IN THE MID REGION)
Note: amend the requirements as shown in the Appendix A.
- c) **Originated by:** MIDANPIRG/20 (Muscat, Oman, 14-17 May 2023) through MIDANPIRG Conclusion 20/13.
- d) **Originator's reasons for amendment:** The establishment of the electronic Air Navigation Plan (eANP) has necessitated incorporation of Flight Information Regions/Upper Information Regions (FIR/UIR) and Search and Rescue Regions (SRR) boundary dimensions. MIDANPIRG/20 noted that the MID ANP Vol I was published without completing the Table ATM I-1 (FIRs/UIRs) and Table SAR I-1 (SRRs) with lateral limits coordinates and vertical dimensions of the FIRs/UIRs and SRRs, respectively. The meeting agreed that a step-by-step approach should be used in populating the Tables ATM I-1 and SAR I-1. Through Conclusion 20/13, MIDANPIRG tasked the ICAO MID Office to coordinate with concerned States to process a Proposal for Amendment of the MID eANP Vol I to incorporate in Table ATM I-1 and SAR I-1 the FIRs/UIRs and SRRs descriptions (Lateral and vertical dimensions).
- e) **Intended date of implementation:** As soon as practicable after approval
- f) **Proposal circulated to the following States and International Organizations:**
- | | | |
|---------------------|------------------------|------------------------------|
| Afghanistan | Iraq | South Sudan |
| Algeria | Iran, Islamic Republic | Sudan |
| Armenia | of | Syrian Arab republic |
| Azerbaijan | Israel | Tunisia |
| Bahrain | Jordan | Turkey |
| Egypt | Kenya | Turkmenistan |
| Eritrea | Kuwait | United Arab |
| Ethiopia | Lebanon | Emirates |
| Chad | Libya | Uganda |
| Congo (Republic of) | Niger | Yemen |
| Congo (Democratic | Malta | International Organizations: |
| | | CANSO |

Republic of)	Oman	EUROCONTROL
Cyprus	Pakistan	IATA
Djibouti	Qatar	IFALPA
Greece	Saudi Arabia	IFATCA
India	Somalia	

g) Secretariat comments: The ICAO Council approved the new eANP Template (Volumes I, II and III) and corresponding procedure for amendment on 18 June 2014. MIDANPIRG/15 meeting reviewed and endorsed the MID eANP VOL I, II and III (MIDANPIRG/15 Conclusion 15/11 refers).

Since the endorsement and publication of the MID eANP in 3 Volumes, the ICAO Secretariat has been following-up with States the subject of publication of the FIRs/UIRs and SRRs lateral limits coordinates and vertical dimensions in Tables ATM I-1 and SAR I-1, respectively. Many inconsistencies have been identified between the ICAO records and the information published by States in their AIPs and between the States and their neighbors.

As a follow-up to the MIDANPIRG/20 Conclusion 20/13, coordination was carried out with Iraq, Kuwait, Lebanon, Libya, Oman and Syria to include the lateral limits coordinates and vertical dimensions of their FIRs/UIRs and SRRs in Tables ATM I-1 and SAR I-1, respectively. Few inconsistencies have been identified and rectified.

Appendix A

**Table ATM I-1
FLIGHT INFORMATION REGIONS (FIR)/UPPER INFORMATION REGIONS (UIR) IN THE MID
REGION**

FIR/UIR Location Indicator	Lateral limits coordinates	Remarks
1	2	3
Amman (OJAC)	FIR/UIR Amman <i>To be incorporated</i>	
Baghdad (ORBB)	FIR/UIR Baghdad <i>To be incorporated</i> 3322N03848E along the Iraqi boundaries with Syria, Turkey, Iran, Kuwait, Saudi Arabia and Jordan to the point 3322N03848E.	Vertical limits: SFC to UNL
Bahrain (OBBS)	FIR/UIR Bahrain <i>To be incorporated</i>	
Beirut (OLBB)	FIR/UIR Beirut <i>To be incorporated</i> 343800N 0355700E then along the Lebanon territorial borders to 330600N 0345300E – joining and following at 12 NM from seashore semi-arc at a radius of 45 NM centered on 334827N 0352910E and ending 343310N 0353548E - 343800N 0354300E then back to 343800N 0355700E.	Vertical limits: SFC to UNL
Cairo (HECC)	FIR/UIR Cairo <i>To be incorporated</i>	
Damascus (OSTT)	FIR/UIR Damascus <i>To be incorporated</i> From 355500N 0354000E to 355600N 0355500E then along the national border of Syria with Turkey and Iraq to a point 332200N 0384800E, then along the national border of Syria with Jordan to 324100N 0353800E then along the Western Syrian border to 331500N 0353700E then along the Lebanese Syrian border to a point 343800N 0355700E then to a point 343800N 0354300E then northwards along a line maintaining 12 NM from the coastline, to 355500N 0354000E	Vertical limits: SFC to UNL
Doha (OTDF)	FIR/UIR Doha 253801N 0525744E - 250224N 0523054E - 245959N 0521837E - 245046N 0522215E - 244900N 0520000E - 244247N 0513422E - 243817N 0512608E - 243747N 0512421E - 243731N 0512406E then follow the limit of territorial waters and the sovereign boundary between Qatar and Saudi Arabia then follow the limit of Qatar and Bahrain territorial waters to 261102N 0505503E - 261330N 0505513E - 261609N 0510016E - 262117N 0510420E - 262340N 0511220E - 262134N 0512301E - 261356N 0513849E - 253801N 0525744E.	Vertical limits: SFC to UNL (C-DEC 225/10 – 11 March 2022)

FIR/UIR Location Indicator	Lateral limits coordinates	Remarks
1	2	3
	<p>AND</p> <p>260400N 0535700E - 254900N 0530600E - 253801N 0525744E - 261356N 0513849E - 264440N 0514359E - 260400N 0535700E.</p>	Vertical limit: SFC to FL245
Emirates (OMAE)	<p>FIR/UIR Emirates</p> <p><i>To be incorporated</i></p>	
Jeddah (OEJD)	<p>FIR/UIR Jeddah</p> <p><i>To be incorporated</i></p>	
Khartoum (HSSS)	<p>FIR/UIR Khartoum</p> <p><i>To be incorporated</i></p>	
Kuwait (OKAC)	<p>FIR/UIR Kuwait</p> <p><i>To be incorporated</i></p> <p>290604N 0463311E – 291502N 0464211E – 294319N 0470024E – 295105N 0470454E – 300001N 0470920E – 300613N 0472217E – 300613N 0474228E – 300113N 0475528E – 295924N 0480042E – 300146N 0480434E – 300120N 0480952E – 295110N 0482451E – 295100N 0484500E – 291300N 0494000E – 290000N 0492700E – 284400N 0494000E – 281500N 0485200E then following the Saudi Arabia territorial waters and Kuwait / Saudi Arabia International boundary to the point 290604N 0463311E.</p>	Vertical limits: SFC to UNL
Muscat (OOMM)	<p>FIR/UIR Muscat</p> <p><i>To be incorporated</i></p> <p>250000N 0563500E – 253600N 0561300E - 262100N 0560600E – 264100N 0562700E – 261000N 0564500E – 253500N 0564500E - 250000N 0573000E – 244000N 0612000E – 233000N 0612000E – 233000N 0643000E – 194800N 0600000E – 174000N 0570000E – 154000N 0533000E – 163800N 0530400E – 172200N 0524400E – 190000N 0520000E common national boundary Sultanate of Oman/Kingdom of Saudi Arabia – common national boundary Sultanate of Oman/United Arab Emirates – 224200N 0551200E – 240000N 0553500E – 250000N 0563500E</p>	Vertical limits: SFC to UNL
Sana'a (OYSC)	<p>FIR/UIR Sana'a</p> <p><i>To be incorporated</i></p>	
Tehran (OIX)	<p>FIR/UIR Tehran</p> <p><i>To be incorporated</i></p>	
Tripoli (HLLL)	<p>FIR/UIR Tripoli</p> <p><i>To be incorporated</i></p>	

FIR/UIR Location Indicator	Lateral limits coordinates	Remarks
1	2	3
	342000N 0113000E - 342000N 0233500E - 340000N 0241000E - 314100N 0250800E along Eastern Border Libya to 220000N 0250000E - 200000N 0250000E - 200000N 0240000E - 193000N 0240000E - 220000N 0190000E - 220000N 0113000E along Western Border Libya to 322200N 0113000E - 342000N 0113000E	

TABLE SAR I-1 – SEARCH AND RESCUE REGIONS (SRR) IN THE MID REGION

SRR	Lateral limits coordinates	Remarks
1	2	3
Amman	<p>SRR Amman</p> <p><i>To be incorporated</i></p>	
Baghdad (ORBB)	<p>SRR Baghdad</p> <p><i>To be incorporated</i></p> <p>3322N03848E along the Iraqi boundaries with Syria, Turkey, Iran, Kuwait, Saudi Arabia and Jordan to the point 3322N03848E.</p>	Vertical limits: SFC to UNL
Bahrain	<p>SRR Bahrain</p> <p><i>To be incorporated</i></p>	
Beirut (OLBB)	<p>SRR Beirut</p> <p><i>To be incorporated</i></p> <p>343800N 0355700E then along the Lebanon territorial borders to 330600N 0345300E – joining and following at 12 NM from seashore semi-arc at a radius of 45 NM centered on 334827N 0352910E and ending 343310N 0353548E - 343800N 0354300E then back to 343800N 0355700E.</p>	Vertical limits: SFC to UNL
Cairo	<p>SRR Cairo</p> <p><i>To be incorporated</i></p>	
Damascus (OSTT)	<p>SRR Damascus</p> <p><i>To be incorporated</i></p> <p>From 355500N 0354000E to 355600N 0355500E then along the national border of Syria with Turkey and Iraq to a point 332200N 0384800E, then along the national border of Syria with Jordan to 324100N 0353800E then along the Western Syrian border to 331500N 0353700E then along the Lebanese Syrian border to a point 343800N 0355700E then to a point 343800N 0354300E then northwards along a line maintaining 12 NM from the coastline, to 355500N 0354000E</p>	Vertical limits: SFC to UNL
Doha (OTDF)	<p>SRR Doha</p> <p>253801N 0525744E - 250224N 0523054E - 245959N 0521837E - 245046N 0522215E - 244900N 0520000E - 244247N 0513422E - 243817N 0512608E - 243747N 0512421E - 243731N 0512406E then follow the limit of territorial waters and the sovereign boundary between Qatar and Saudi Arabia then follow the limit of Qatar and Bahrain territorial waters to 261102N 0505503E - 261330N 0505513E - 261609N 0510016E - 262117N 0510420E - 262340N 0511220E - 262134N 0512301E - 261356N 0513849E - 253801N 0525744E.</p> <p>AND</p> <p>260400N 0535700E - 254900N 0530600E - 253801N</p>	Vertical limits: SFC to UNL (C-DEC 225/10 – 11 March 2022)

SRR	Lateral limits coordinates	Remarks
1	2	3
	0525744E - 261356N 0513849E - 264440N 0514359E - 260400N 0535700E.	Vertical limit: SFC to FL245
Emirates	SRR Emirates <i>To be incorporated</i>	
Jeddah	SRR Jeddah <i>To be incorporated</i>	
Khartoum	SRR Khartoum <i>To be incorporated</i>	
Kuwait (OKAC)	SRR Kuwait <i>To be incorporated</i> 290604N 0463311E – 291502N 0464211E – 294319N 0470024E – 295105N 0470454E – 300001N 0470920E – 300613N 0472217E – 300613N 0474228E – 300113N 0475528E – 295924N 0480042E – 300146N 0480434E – 300120N 0480952E – 295110N 0482451E – 295100N 0484500E – 291300N 0494000E – 290000N 0492700E – 284400N 0494000E – 281500N 0485200E then following the Saudi Arabia territorial waters and Kuwait / Saudi Arabia International boundary to the point 290604N 0463311E.	Vertical limits: SFC to UNL
Muscat (OOMM)	SRR Muscat <i>To be incorporated</i> 250000N 0563500E – 253600N 0561300E - 262100N 0560600E – 264100N 0562700E – 261000N 0564500E – 253500N 0564500E - 250000N 0573000E – 244000N 0612000E – 233000N 0612000E – 233000N 0643000E – 194800N 0600000E – 174000N 0570000E – 154000N 0533000E – 163800N 0530400E – 172200N 0524400E – 190000N 0520000E common national boundary Sultanate of Oman/Kingdom of Saudi Arabia – common national boundary Sultanate of Oman/United Arab Emirates – 224200N 0551200E – 240000N 0553500E – 250000N 0563500E	Vertical limits: SFC to UNL
Sana'a	SRR Sana'a <i>To be incorporated</i>	
Tehran	SRR Tehran <i>To be incorporated</i>	
Tripoli	SRR Tripoli <i>To be incorporated</i> 342000N 0113000E - 342000N 0233500E – 340000N 0241000E – 314100N 0250800E along Eastern Border Libya to 220000N 0250000E – 200000N 0250000E – 200000N 0240000E – 193000N 0240000E – 220000N 0190000E – 220000N 0113000E along Western Border	Vertical limits: SFC to UNL

SRR	Lateral limits coordinates	Remarks
1	2	3
	Libya to 322200N 0113000E - 342000N 0113000E	

FIR	Published in AIP ENR 2.1	Coordinate	Coordinates status with respect of requirements					Remarks	
			Adjacent FIR (AIP)	ANP VOL I, Chart ATS 1	MID States publication based on Guideline				
					Clockwise Guideline Item "1-a"	Back to beginning point Guideline Item "1-b"	Coordinate in DMS Guideline Item "1-c"		Delineation with arc Guideline Item "1-e"
Amman (OJAC)	Includes the territory of the H.K. 29 21 26N 036 57 43E - 29 11 03N 036 04 20E - 29 30 03N 036 30 21E 29 52 03N 036 45 21E - 30 00 03N 037 30 21E - 30 20 03N 037 40 21E 30 30 03N 038 00 21E - 31 30 03N 037 00 21E - 32 00 02N 039 00 22E 32 09 15N 039 12 03E At Jordan, Saudi Arabia and Iraqi boundaries. Then the point 321349N 391804E At the Southern corner of the Jordanian-Iraqi boundaries	292126N 0345743E	Caro & Jeddah						
		291103N 0360420E	Jeddah						
		293023N 0363021E	Jeddah						
		295203N 0364521E	Jeddah						
		300003N 0373021E	Jeddah						
		302003N 0374021E	Jeddah						
		302003N 0380021E	Jeddah						
		313003N 0370021E	Jeddah						
		320002N 0380022E	Jeddah						
		320915N 0391203E	Jeddah & Baghdad						
Baghdad (OBB)	Not Published	321349N 0391804E	Baghdad						
		295100N 0484500E	Tehran & Kuwait						
		295100N 0482500E	Kuwait						
		300100N 0475500E	Kuwait						
		300146N 0480144E	Kuwait						
		295924N 0480047E	Kuwait						
		300113N 0475528E	Kuwait						
		300600N 0474200E	Kuwait						
		300613N 0472217E	Kuwait						
		300000N 0470900E	Kuwait						
Bahrain (OBB)	then follow the limit of Qatar and Bahrain territorial waters then follow the sovereign boundary and limit of territorial waters between Qatar and Saudi Arabia to 243731N 0512408E 243747N 0512421E 243817N 0512608E 244247N 0513422E 244900N 052000E 245046N 052215E 240300N 0514700E then follow the sovereign boundary between Saudi Arabia and the United Arab Emirates to 24200N 0551200E. And 250224N 0523054E - 245959N 0521837E - 245046N 052215E - 250224N 0523054E	284400.00N 0494000.00E - F21-F23 - 265500.00N 0511000.00E - 264440.00N 0514359.00E - 261356.00N 0513849.00E - 262134.00N 0512301.00E - 262340.00N 0511220.00E - 262137.00N 0510420.00E - 261695.00N 0510016.00E - 261609.00N 0510016.00E - 261330.00N 0505513.00E - 261102.00N 0505503.00E	284400.00N 0494000.00E 270500.00N 0505500.00E 265500.00N 0511000.00E 264440.00N 0514359.00E 261356.00N 0513849.00E 262134.00N 0512301.00E 262340.00N 0511220.00E 262137.00N 0510420.00E 261695.00N 0510016.00E 261330.00N 0505513.00E 261102.00N 0505503.00E	Damascus Kuwait & Tehran Tehran Tehran Doha & Doha Doha Doha Doha Doha Doha & Jeddah Doha & Jeddah Doha & Jeddah Doha & Jeddah Doha & UAE Jeddah, UAE, Muscat Doha & UAE Doha Doha, Bahrain & UAE Doha & UAE Doha & UAE Doha					
		261330.00N 0505513.00E	Doha						
		261102.00N 0505503.00E	Doha						
		243731N 0512408E	Doha & Jeddah						
		243747N 0512421E	Doha & Jeddah						
		244247N 0513422E	Doha & Jeddah						
		244900N 052000E	Doha & Jeddah						
		245046N 052215E	Doha, Jeddah & UAE						
		240300N 0514700E	UAE						
		24200N 0551200E	Jeddah, UAE, Muscat						
Beirut (OLBB)	343800N 0355700E then along the Lebanon territorial borders to 330600N 0345300E - joining and following at 12 NM from seashore semi-arc at a radius of 45 NM centered on 334827N 0352910E and ending 343131N 0353548E - 343800N 0354300E then back to 343800N 0355700E.	343800N 0355700E	Damascus						
		330600N 0345300E	Tel Aviv & Nicosia						
		343131N 0353548E	Nicosia						
		343800N 0354300E	Damascus & Nicosia						
		3400N 02410E	Athens & Tripoli						
		3400N 02710E	Athens						
		3300N 03000E	Athens & Nicosia						
		3152N 03395E	Nicosia & Tel Aviv						
		3136N 03430E	Tel Aviv						
		2930N 03455E	Tel Aviv						
Cairo (HECC)	34 00N 024 10E - 34 00N 027 10E 33 30N 030 00E 31 00N 033 09E - 31 36N 034 30E then follow the International border to: 29 30N 034 55E - 29 30N 035 00E 29 27N 034 59E 29 21N 034 57E 08 06N 034 35E to 22 00N 038 00E 22 00N 038 00E - 22 00N 025 00E 22 00N 025 00E then follow the International border to: 31 41N 025 08E 34 00N 024 10E	2930N 03455E	Tel Aviv						
		2930N 03500E	Tel Aviv & Amman						
		2927N 03459E	Amman						
		2921N 03457E	Amman & Jeddah						
		2806N 03435E	Jeddah						
		2200N 03800E	Jeddah & Khartoum						
		2200N 02500E	Khartoum & Tripoli						
		3141N 02508E	Tripoli						
		253801N 0525744E	Bahrain & UAE						
		250224N 0523054E	Bahrain & UAE						
Doha (OJDF)	253801N 0525744E - 250224N 0523054E - 245959N 0521837E - 245046N 052215E - 244900N 052000E - 244247N 0513422E - 243817N 0512608E - 243747N 0512421E - 243731N 0512408E then follow the limit of territorial waters and the sovereign boundary between Qatar and Saudi Arabia then follow the limit of Qatar and Bahrain territorial waters to 261102N 0505503E - 261330N 0505513E - 261609N 0510016E - 262117N 0510420E - 262134N 0511220E - 262137N 0510420E - 261356N 0513849E - 261330N 0505513E - 261102N 0505503E	253801N 0525744E	Bahrain & UAE						
		250224N 0523054E	Bahrain & UAE						
		245959N 0521837E	Bahrain						
		245046N 052215E	Bahrain & UAE						
		244900N 052000E	Bahrain						
		244247N 0513422E	Bahrain & Jeddah						
		243817N 0512608E	Jeddah						
		243747N 0512421E	Jeddah						
		243731N 0512408E	Bahrain						
		261102N 0505503E	Bahrain						
Damascus (OSTT)	From 355500N 0354000E to 355600N 0355500E then along the national border of Syria with Turkey and Iraq to a point 332200N 0384800E, then along the national border of Syria with Jordan to 324100N 0353800E then along the Western Syrian border to 331500N 0353700E then along the Lebanese Syrian border to a point 343800N 0355700E then to a point 343800N 0354300E then northwards along a line maintaining 12 NM from the coastline, to 355500N 0354000E.	355500N 0354000E	Nicosia & Ankara						
		355600N 0355500E	Ankara						
		332200N 0384800E	Amman & Baghdad						
		324100N 0353800E	Amman & Tel Aviv						
		331500N 0353700E	Beirut & Tel Aviv						
		343800N 0355700E	Beirut						
		343800N 0354300E	Nicosia & Beirut						
		262100N 0560600E	Tehran & Muscat						
		253600N 0561300E	Muscat						
		250000N 0563500E	Muscat						
Emirates (OMAE)	262100N 0560600E 253600N 0561300E 250000N 0563500E 240000N 0555500E 224200N 0551200E to the point where the national borders of Oman, Saudi Arabia and U.A.E meet, then along the national border between Saudi Arabia and U.A.E to 240300N 0514700E 254900N 0530600E 26400N 0535700E 253800N 052000E 262100N 0560600E	262100N 0560600E	Tehran & Muscat						
		253600N 0561300E	Muscat						
		250000N 0563500E	Muscat						
		240000N 0555500E	Muscat						
		224200N 0551200E	Muscat & Jeddah						
		240300N 0514700E	Bahrain						
		254900N 0530600E	Bahrain & Doha						
		26400N 0535700E	Tehran, Bahrain & Doha						
		253800N 052000E	Tehran						

color code

implemented in accordance with GM

Not implemented Not in accordance with GM

Published in ANP Volume based on C-DEC-10-225

Subject to PFA

Jeddah (OFC/D)	292126N 0345743E	Cairo & Amman					
	291003N 0360400E	Amman					
	290900N 0360301E	Amman					
	295203N 0364521E	Amman					
	300003N 0373021E	Amman					
	302003N 0374021E	Amman					
	303003N 0380021E	Amman					
	313003N 0370021E	Amman					
	320002N 0390022E	Amman					
	320915N 0391203E	Amman & Baghdad					
	315633N 0402447E	Baghdad					
	312223N 0412627E	Baghdad					
	310642N 0420508E	Baghdad					
	291155N 0444318E	Baghdad					
	290348N 0462534E	Baghdad					
	290604N 0462311E	Baghdad & Kuwait					
	281500N 0485200E	Kuwait & Bahrain					
	275000N 0490800E	Bahrain					
	265248N 0500855E	Bahrain					
	263420N 0502759E	Bahrain					
	263148N 0502315E	Bahrain					
	262424N 0502219E	Bahrain					
	262217N 0502027E	Bahrain					
	261512N 0501900E	Bahrain					
	261018N 0501852E	Bahrain					
	260450N 0501611E	Bahrain					
	255709N 0501735E	Bahrain					
	255302N 0501807E	Bahrain					
	254908N 0502201E	Bahrain					
	254228N 0502503E	Bahrain					
	254057N 0502608E	Bahrain					
	253544N 0503193E	Bahrain & Doha					
	253111N 0503544E	Doha					
	252828N 0503663E	Doha					
	252510N 0503716E	Doha					
	252368N 0503741E	Doha					
	252336N 0503741E	Doha					
	251849N 0503855E	Doha					
	251522N 0503948E	Doha					
	251355N 0503918E	Doha					
	251153N 0503940E	Doha					
	250758N 0503951E	Doha					
	250500N 0504010E	Doha					
	250243N 0504239E	Doha					
245927N 0504359E	Doha						
245631N 0504438E	Doha						
245348N 0504543E	Doha						
245244N 0504739E	Doha						
244927N 0504804E	Doha						
244633N 0504828E	Doha						
244440N 0504842E	Doha						
244024N 0505134E	Doha						
243243N 0505544E	Doha						
243000N 0510000E	Doha						
242816N 0510555E	Doha						
242970N 0511849E	Doha						
243116N 0512144E	Doha						
243454N 0512449E	Doha						
242734N 0512406E	Doha						
243747N 0512421E	Doha						
243817N 0512608E	Doha						
244247N 0513422E	Doha & Bahrain						
241458N 0513526E	Bahrain						
240724N 0513526E	Bahrain						
225609N 0523452E	UAE						
223741N 0520814E	UAE						
224200N 0515120E	UAE & Muscat						
224230N 0515130E	UAE & Muscat						
200000N 0554000E	Muscat						
200000N 0550000E	Muscat						
190000N 0520000E	Muscat & Sanaa						
184720N 0504700E	Sanaa						
183700N 0490700E	Sanaa						
181000N 0481100E	Sanaa						
177200N 0473600E	Sanaa						
170700N 0472800E	Sanaa						
165700N 0471100E	Sanaa						
165700N 0470000E	Sanaa						
171700N 0464500E	Sanaa						
171400N 0462300E	Sanaa						
171500N 0460600E	Sanaa						
172000N 0452400E	Sanaa						
172600N 0451300E	Sanaa						
172600N 0443900E	Sanaa						
172420N 0443400E	Sanaa						
172600N 0442800E	Sanaa						
172600N 0442158E	Sanaa						
162415N 0424600E	Sanaa						
162415N 0420500E	Sanaa						
161724N 0414700E	Sanaa						
160000N 0420000E	Sanaa						
154700N 0415230E	Sanaa						
153955N 0413947E	Sanaa						
160000N 0410000E	Asmara						
200000N 0383000E	Asmara & Khartoum						
200000N 0380000E	Khartoum & Cairo						
395609N 0343500E	Cairo						
200000N 0250000E	Cairo & Tripoli						
200000N 0380000E	Cairo & Jeddah						
200000N 0383000E	Jeddah & Asmara						
130000N 0250000E	Addis Ababa						
080000N 0390000E	Addis Ababa						
040000N 0360000E	Addis Ababa & Nairobi						
154212N 0235921E	N'djamena						
200000N 0240000E - 220000N 0280000E - 280000N 0240000E	N'djamena						
193000N 0240000E	N'djamena & Tripoli						
200000N 0240000E	Tripoli						
200000N 0250000E	Tripoli						
290604N 0463311E	Jeddah & Baghdad						
291503N 0464211E	Baghdad						
294319N 0470024E	Baghdad						
295105N 0470454E	Baghdad						
300010N 0470920E	Baghdad						
300613N 0472217E	Baghdad						
300613N 0474228E	Baghdad						
300113N 0475528E	Baghdad						
295248N 0480022E	Baghdad						
300146N 0480434E	Baghdad						
300120N 0480952E	Baghdad						
295110N 0482451E	Baghdad						
295100N 0484500E	Baghdad & Tehran						
291300N 0494000E	Tehran						
290000N 0492700E	Tehran						
284400N 0494000E	Tehran & Bahrain						
281500N 0485200E	Tehran & Bahrain						
290604N 0463311E - 291502N 0464211E - 294319N 0470024E - 295105N 0470454E - 300010N 0470920E - 300613N 0472217E - 300613N 0474228E - 300113N 0475528E - 295248N 0480022E - 300146N 0480434E - 300120N 0480952E - 295110N 0482451E - 295100N 0484500E - 291300N 0494000E - 290000N 0492700E - 284400N 0494000E - 281500N 0485200E then following the Saudi Arabia territorial waters and Kuwait / Saudi Arabia international boundary to the point 290604N 0463311E.							
SFC-UNL							

Subject to
PIA

Muscat (OOMS)	25000N 0563500E - 253600N 0561300E - 262100N 0560600E - 264100N 0562700E - 261000N 0564500E - 233500N 0564500E - 250000N 0577000E - 244000N 0612000E - 233000N 0612000E - 233000N 0643000E - 194800N 0600000E - 174000N 0570000E - 154000N 0533000E - 163800N 0530400E - 172200N 0524400E - 190000N 0520000E common national boundary Sultanate of Oman/Kingdom of Saudi Arabia - common national boundary Sultanate of Oman/United Arab Emirates - 224200N 0551200E - 240000N 0553500E - 250000N 0563500E	25000N 0563500E	UAE							Subject to PFA			
		253600N 0561300E	UAE										
		262100N 0560600E	UAE & Tehran										
		264100N 0562700E	Tehran										
		261000N 0564500E	Tehran										
		233500N 0564500E	Tehran										
		250000N 0577000E	Tehran										
		244000N 0612000E	Tehran & Karachi										
		233000N 0612000E	Karachi										
		233000N 0643000E	Karachi & Mumbai										
		194800N 0600000E	Mumbai & Sanaa										
		174000N 0570000E	Sanaa										
		154000N 0533000E	Sanaa										
		163800N 0530400E	Sanaa										
		172200N 0524400E	Sanaa										
		190000N 0520000E	Sanaa & Jeddah										
		224200N 0551200E	Jeddah & UAE										
		240000N 0553500E	UAE										
		Sana'a (OYSC)	173000N 0443500E - 173500N 0438000E - 164100N 0430800E - 160800N 0412900E - 145400N 0420130E - 140000N 0422500E - 123600N 0431800E - 123142N 0432712E - 121036N 0440206E - 114500N 0441100E - 114730N 0444348E - 115900N 0470800E - 121100N 0504500E - 120718N 0510242E - 120000N 0513000E - 120000N 0600000E - 161400N 0600000E - 194800N 0600000E - 174000N 0570000E - 164618N 0552606E - 160718N 0541648E - 154000N 0533100E - 163324N 0530612E - 190000N 0520000E	173000N 0443500E	Jeddah								Subject to PFA
				173500N 0438000E	Jeddah								
164100N 0430800E	Jeddah												
160800N 0412900E	Jeddah												
145400N 0420130E	Asmara												
140000N 0422500E	Asmara												
123600N 0431800E	Addis Ababa & Djibouti												
123142N 0432712E	Addis Ababa & Djibouti												
121036N 0440206E	Addis Ababa & Djibouti												
114500N 0441100E	Addis Ababa, Djibouti & Mogadishu												
114730N 0444348E	Mogadishu												
115900N 0470800E	Mogadishu												
121100N 0504500E	Mogadishu												
120718N 0510242E	Mogadishu												
120000N 0513000E	Mogadishu												
120000N 0600000E	Mogadishu & Mumbai												
161400N 0600000E	Mumbai												
194800N 0600000E	Mumbai & Muscat												
174000N 0570000E	Muscat												
164618N 0552606E	Muscat												
160718N 0541648E	Muscat												
154000N 0533100E	Muscat												
163324N 0530612E	Muscat												
190000N 0520000E	Muscat & Jeddah												
Tehran (OIX)	The area bounded by two straight lines over Caspian sea joining 372100N 0535500E to 391200N 0510800E to 382630N 0485230E, thence along the Islamic Republic of Iran / Azerbaijan, Armenia, Turkey and Iraq territorial BDRY to Persian gulf 295110N 0484500E, 291300N 0494000E, 290000N 0492700E, 270500N 0505500E, 265500N 0511000E, 253800N 0552000E, 264100N 0562700E, 261000N 0564500E, 253500N 0564500E, 250000N 0577000E, 244000N 0612000E, thence along the Islamic Republic of Iran / Pakistan, Afghanistan and Turkmenistan territorial BDRY to 372100N 0535500E	372100N 0535500E	Turkmenbashi							Subject to PFA			
		391200N 0510800E	Baku										
		382630N 0485230E	Baku										
		295110N 0484500E	Baghdad & Kuwait										
		291300N 0494000E	Kuwait										
		290000N 0492700E	Kuwait										
		270500N 0505500E	Bahrain										
		265500N 0511000E	Bahrain										
		253800N 0552000E	UAE										
		264100N 0562700E	Muscat										
		261000N 0564500E	Muscat										
		253500N 0564500E	Muscat										
		250000N 0573000E	Muscat										
		244000N 0612000E	Muscat & Karachi										
Tripoli (MLL)	342000N 0113000E - 342000N 0233500E - 340000N 0241000E - 314100N 0250800E along Eastern Border Libya to 220000N 0250000E - 200000N 0250000E - 200000N 0240000E - 193000N 0240000E - 200000N 0113000E - 220000N 0113000E along Western Border Libya to 322200N 0113000E - 342000N 0113000E	342000N 0113000E	Tunis & Malta							Subject to PFA			
		342000N 0233500E	Malta & Athens										
		340000N 0241000E	Athens & Cairo										
		314100N 0250800E	Cairo										
		220000N 0250000E	Cairo & Khartoum										
		200000N 0250000E	Khartoum										
		200000N 0240000E	Khartoum										
		193000N 0240000E	Khartoum & Ndjamena										
		200000N 0113000E	Ndjamena										
		220000N 0113000E	Ndjamena & Namey										
322200N 0113000E	Tunis												