



International Civil Aviation Organization

MID Air Navigation Plan Ad-hoc Working Group

Second Meeting (ANP WG/2)
(Cairo, Egypt, 16 - 18 December 2014)

Agenda Item 3: Development of the new MID Air Navigation Plan

REVIEW OF VOLUMES I and II – PART VI – SAR

(Presented by the Secretariat)

SUMMARY

This paper presents Parts VI-SAR of Volumes I and II of the MID eANP.

Action by the meeting is at paragraph 3.

REFERENCES

- ATM SG/1 Report
- MIDANPIRG/14 Report
- MSG/4 Report

1. INTRODUCTION

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

2. DISCUSSION

2.1 The MSG/4 meeting supported the work done by the Secretariat and different MIDANPIRG subsidiary bodies related to the development of the MID eANP, and highlighted that the population of the 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)* is a challenging process that requires the cooperation of all the concerned States. The two Tables contain the same descriptions due to the coincidence of all the FIRs with their corresponding SSRs in the MID Region. In this regard, the meeting agreed that the inconsistencies, if any, be reflected in the Remarks Column (a TBD note could be used). The meeting reviewed the ATM I-1 and SAR I-1 Tables which were prepared by the Secretariat based on the following (in a prioritized manner):

- a) approved Proposal for Amendments (PfAs) to the MID ANP by the ICAO Council;
- b) MID RAN Meetings Reports;
- c) agreements between States communicated to ICAO;

- d) AIS publications when descriptions coincide with the current Charts ATS-1 and no differences between States;
- e) (TBD will reflect the inconsistencies/disagreements, if any).

2.2 The meeting may wish to note that the contact details for the SAR Point of Contact (SPOC) – COSPAS-SARSAT in the MID Region are at Table SAR II-MID-1, under Specific Regional Requirements.

3. ACTION BY THE MEETING

3.1 The meeting is invited to review and update, as appropriate, the MID eANP Volumes I and II - Parts VI-SAR at **Appendices A** and **B**, in particular Tables SAR I-1 and SAR II-MID-1.

MID ANP, VOLUME I**PART VI - SEARCH AND RESCUE (SAR)****1. INTRODUCTION**

1.1 This part of the MID ANP constitutes the agreed regional requirements considered to be the minimum necessary for effective planning and implementation of search and rescue (SAR) facilities and services in the MID Region and complements the provisions of ICAO SARPs and PANS related to SAR. It contains stable plan elements related to the assignment of responsibilities to States for the provision of SAR facilities and services within the ICAO MID Region in accordance with Article 28 of the *Convention on International Civil Aviation* (Doc 7300) and mandatory requirements related to the SAR facilities and services to be implemented by States in accordance with regional air navigation agreements.

1.2 The dynamic plan elements related to the assignment of States' responsibilities for the provision of SAR facilities and services and the mandatory requirements based on regional air navigation agreements related to SAR are contained in the MID ANP, Volume II, Part VI – SAR.

Standards and Recommended Practices and Procedures for Air Navigation Services

1.3 The SARPs and PANS and related guidance material applicable to the provision of SAR are contained in:

- a) Annex 12 – *Search and Rescue*;
- b) Annex 6 — *Operation of Aircraft*;
- c) *Procedures for Air Navigation Services — Air Traffic Management* (PANS-ATM) (Doc 4444);
- d) *Regional Supplementary Procedures* (Doc 7030); and
- e) *International Aeronautical and Maritime Search and Rescue Manual* (Doc 9731-AN/958).

2. GENERAL REGIONAL REQUIREMENTS

2.1 Each Contracting State should ensure that the provision of search and rescue services covers its own territory and those areas over the high seas for which it is responsible for the provision of those services. The description of the current Search and Rescue Regions (SRRs), as approved by the ICAO Council, are contained in **Table SAR I-1** and depicted in the **Chart SAR I-1**. The list of Rescue Coordination Centres (RCCs) and Rescue Sub-centres (RSCs) in the Region(s) are detailed in Volume II.

2.2 The three volumes of the *IAMSAR Manual* (Doc 9731) provide guidance for a common aviation and maritime approach to organizing and providing SAR services. States are invited to use the *IAMSAR Manual* to ensure the availability of effective aeronautical SAR services and to cooperate with neighbouring States.

2.3 States which rely on military authorities and/or other sources for the provision of SAR facilities should ensure that adequate arrangements are in place for coordination of SAR activities between all entities involved.

2.4 Arrangements should be made to permit a call on any national services likely to be able to render assistance on an ad-hoc basis, in those cases when the scope of SAR operations requires such assistance.

3. SPECIFIC REGIONAL REQUIREMENTS

3.1 None.

DRAFT

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

EXPLANATION OF THE TABLE

Column:

1. Name of the SRR.
2. Description of SRR lateral limits.
3. Additional information, if necessary.

N.B. The inconsistencies related to the common FIR Boundaries are not highlighted in the table below:

SRR	Lateral limits coordinates	Remarks
1	2	3
Amman	<p align="center">FIR/UIR Amman</p> <p>292125N 0345743E On the Gulf of Aqaba 291102N 0360420E 293002N 0363021E 295203N 0364521E 300003N 0373021E 302003N 0374021E 303003N 0380021E 313003N 0370021E 320002N 0390021E TO 320911N 0391206E At Jordan, Saudi Arabia and Iraqi boundaries. Then the point 321349N 0391804E At the Southern corner of the Jordanian-Iraqi boundaries</p>	Source: the State's AIS Publication
Baghdad	<p align="center">FIR/UIR Baghdad</p> <p>Along the Iraqi boundaries with Iran, Kuwait, Saudi Arabia, Syria and Turkey</p>	Source: the State's AIS Publication
Bahrain	<p align="center">FIR/UIR Bahrain</p> <p>284400N 0494000E 270500N 0505500E 265500N 0511000E 260400N 0535700E 254900N 0530600E 240300N 0514700E thence along the Saudi Arabia / UAE national borders to the point where the national borders of Oman, Saudi Arabia and UAE meet to 224200N 0551200E, then the Saudi Arabia / Oman territorial boundary to 190000N 0520000E 253000N 0490000E 263330N 0452130E 275000N 0455500E 275000N 0490800E thence along the limit of the Saudi Arabia territorial waters to 281500N 0485200E</p>	<p>MID ANP PfA 00/1 ATS approved 7 March 2005</p> <p>Source: the State's AIS Publication (AIP ENR 2.1-1 dated 17 October 2013)</p> <p>PfA (Serial MID Basic ANP 13/03 – ATM/SAR)- realignment of Bahrain and Jeddah FIRs pending approval</p>

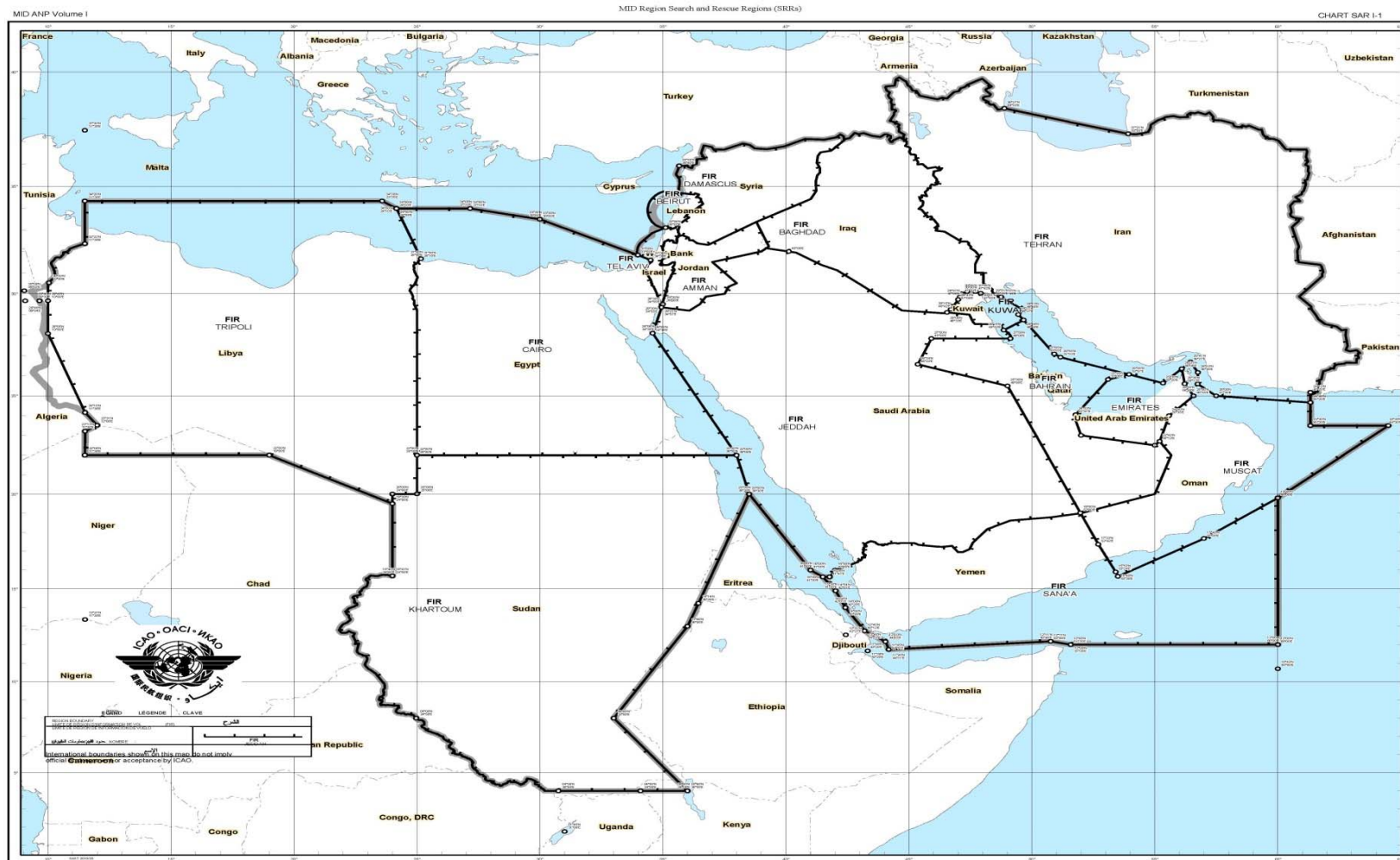
SRR	Lateral limits coordinates	Remarks
1	2	3
Beirut	FIR/UIR Beirut The geographical Lebanese/Syrian borders, then along the Lebanese/Palestinian borders, and a semicircular Arc, radius 45 NM centered KAD VOR.	Source: the State's AIS Publication
Cairo	FIR/UIR Cairo *Northern border 340000N 0241000E 340000N 0271000E 333000N 0300000E *Eastern border 315000N 0335900E 313600N 0343000E then follow the International border to: 293000N 0345500E 293000N 0350000E 280600N 0343500E 220000N 0380000E *Southern border 220000N 0380000E 220000N 0250000E *Western border 220000N 0250000E 314000N 0251000E 340000N 0241000E	Source: the State's AIS Publication
Damascus	FIR/UIR Damascus 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	Source: the State's AIS Publication
Emirates	FIR/UIR Emirates 262100N 0560600E 253600N 0561300E 250000N 0563500E 240000N 0553500E 224200N 0551200E to the point where the national borders of Oman, Saudi Arabia and UAE meet, then along the national border between Saudi Arabia and UAE to 240300N 0514700E 254900N 0530600E 260400N 0535700E 253800N 0552000E 262100N 0560600E	Source MID ANP Serial No. EUR 85/02- ATS/88-COM/400- MET/75-SAR/16-AIS/1 dated 9 December 1986 and PfA Serial 00/1 ATS approved 7 march 2005

SRR	Lateral limits coordinates	Remarks
1	2	3
Jeddah	<p style="text-align: center;">FIR/UIR Jeddah</p> <p>292124N 0345718E 291131N 0360356E 293001N 0362956E 295201N 0364456E 300002N 0372956E 302002N 0373956E 303002N 0375956E 313002N 0365956E 320002N 0385956E 320915N 0391203E 315653N 0402447E 312223N 0412627E 310642N 0420508E 291155N 0444318E 290340N 0462534E 290604N 0463311E then along the national boundary between Kuwait and Saudi Arabia and then along the limit of Saudi Arabian territorial waters to: 275000N 0490800E 275000N 0455500E 263330N 0452130E 253000N 0490000E 190000N 0520000E clockwise to 184720N 0504700E 183700N 0490700E 181000N 0481100E 172700N 0473600E 170700N 0472800E 165700N 0471100E 165700N 0470000E 171700N 0464500E 171400N 0462200E 171500N 0460600E 172000N 0452400E 172600N 0451300E 172600N 0443900E 172420N 0443400E 172600N 0442800E 172600N 0442158E then follow Saudi Arabia and Republic of Yemen international boundaries in accordance with Jeddah treaty to the coast line boundary: 162415N 0424620E 162415N 0420900E 161724N 0414700E 160000N 0420000E 154700N 0415300E 153955N 0413947E 160000N 0410000E 200000N 0383000E 220000N 0380000E 280600N 0343500E then back to starting point</p>	<p>Source: the State's AIS Publication (AIP ENR 2.1-1 dated 11 March 2010)</p> <p>PfA (Serial MID Basic ANP 13/03 – ATM/SAR) realignment of Bahrain and Jeddah FIRs pending approval</p>
Khartoum	<p style="text-align: center;">FIR/UIR Khartoum</p> <p>154500N 0240000E 200000N 0240000E 200000N 0250000E 220000N 0250000E 220000N 0380000E 200000N 0383000E 125500N 0360000E 080000N 0330000E 040000N 0360500E 040000N 0301200E Common national boundary: – SUDAN /KINSHASA – SUDAN/CONGO DROF – SUDAN /BRAZZAVILLE – SUDAN/CENTRAL AFRICA – SUDAN/NDJMENA.</p>	<p>Source: the State's AIS Publication</p>

SRR	Lateral limits coordinates				Remarks
1	2				3
Kuwait	FIR/UIR Kuwait				
	290604N	0463319E	291502N	0464211E	Source: Limited MID RAN Jan 1996 the State's AIS Publication
	294319N	0470024E	295105N	0470454E	
	300001N	0470920E	300613N	0472217E	
	300613N	0474228E	300113N	0475528E	
	295924N	0480042E	300146N	0480434E	
	300120N	0480952E	295110N	0482451E	
	295121N	0484503E	291300N	0494000E	
	290000N	0492700E	284400N	0494000E	
	281500N 0485203E then following the Saudi Arabia territorial waters and Kuwait / Saudi Arabia International boundary to the point 290604N 0463319E				
Muscat	FIR/UIR Muscat				
	250000N	0563500E	253600N	0561300E	Source: the State's AIS Publication
	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	
	thence along the common national boundary Sultanate of Oman/Kingdom of Saudi Arabia and along the common national boundary Sultanate of Oman/United Arab Emirates to 224200N 0551200E				
	240000N	0553500E	250000N	0563500E	
Sanaa'	FIR/UIR Sanaa'				
	173000N	0443500E	173500N	0430800E	Source: the State's AIS Publication MID ANP
	164100N	0430800E	160800N	0412900E	
	145106N	0422354E	141542N	0423630E	
	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	0552436E	
	160718N	0541648E	154000N	0533100E	
	163324N 0530612E 190000N 0520000E				

SRR	Lateral limits coordinates	Remarks
1	2	3
Tehran	<p style="text-align: center;">FIR/UIR Tehran</p> <p>372100N 0535500E 382630N 0485230E thence along the Islamic Republic of Iran / Azerbaijan, Armenia, Turkey and Iraq territorial borders to Persian gulf to 295110N 0484500E 291300N 0494000E 290000N 0492700E 270500N 0505500E 265500N 0511000E 253800N 0552000E 264100N 0562700E 261000N 0564500E 253500N 0564500E 250000N 0573000E 244000N 0612000E, thence along the Islamic Republic of Iran / Pakistan, Afghanistan and Turkmenistan territorial borders to 372100N 0535500E</p>	Source: the State's AIS Publication
Tripoli	<p style="text-align: center;">FIR/UIR Tripoli</p> <p>342000N 0113000E 342000N 0233500E 340000N 0241000E 314100N 0250800E 200000N 0250000E 200000N 0240000E 193000N 0240000E 220000N 0190000E 220000N 0113000E to Western Border Libya- GSPAJ along Western Border Libya-GSPAJ to 322200N 0113000E 342000N 0113000E</p>	Source: the State's AIS Publication

Chart SAR I-1 – SEARCH AND RESCUE REGIONS (SRR) OF THE MID REGION



MID ANP, VOLUME II**PART VI - SEARCH AND RESCUE (SAR)****1. INTRODUCTION**

1.1 This part of the MID ANP, Volume II, complements the provisions in ICAO SARPs and PANS related to search and rescue (SAR). It contains dynamic plan elements related to the assignment of responsibilities to States for the provision of SAR facilities and services within a specified area in accordance with Article 28 of the *Convention on International Civil Aviation* (Doc 7300); and mandatory requirements related to the SAR facilities and services to be implemented by States in accordance with regional air navigation agreements. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified.

2. GENERAL REGIONAL REQUIREMENTS

2.1 The Rescue Coordination Centres (RCCs) and Rescue Sub-Centres (RSCs) for the MID Region are listed in **Table SAR II-1** and depicted in **Chart SAR I-1**.

2.2 In cases where the minimum SAR facilities are temporarily unavailable, alternative suitable means should be made available.

2.3 In cases where a SAR alert is proximate to a Search and Rescue Region (SRR) boundary (e.g. 50 NM or less), or it is unclear if the alert corresponds to a position entirely contained within an SRR, the adjacent RCC or RSC should be notified of the alert immediately.

3. SPECIFIC REGIONAL REQUIREMENTS

3.1. The contact details for the SAR Point of Contact (SPOC) – COSPAS-SARSAT in the MID Region are at **Table SAR II-MID-1**

TABLE SAR II-1 - SEARCH AND RESCUE COORDINATION CENTRES AND RESCUE SUB CENTRES 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			
	BAHRAIN RCC	RCC ATC Bahrain	
	RSC		
	Doha	RCC ATC	
EGYPT			
	CAIRO RCC	SAR Centre	
	RSCs		
	Alexandria		
	Luxor		
	Hurghada		
	M. Matruh		
	EL-Minya		
	El Tor		
	Habata		
	New Valley		
	Ras-Banas		
	Siwa		
IRAN			
	TEHRAN RCC	RCC Tehran	
	RSC		
	Bandar Abbass		
	Busherhr		
	Esfahan		
	Kerman		
	Kermanshah		
	Mashhad		
	Tabriz		
	Zahedan		
IRAQ			
	BAGHDAD RCC	CENTAF-AUAB CAOC JSRC	
	RSC		
	Kirkuk		
	Shaibah		
	Basrah		

JORDAN			
	AMMAN RCC	RCC ATC Amman	
KUWAIT			
	KUWAIT RCC	RCC ATC Kuwait	
LEBANON			
	BEIRUT RCC	RCC Beirut	
	RSC		
	Tripoli		
LIBYA			
	TRIPOLI RCC	CAA	
	RSC		
	Marsa Brega		
	Sirte		
	Tobruk		
OMAN			
	MUSCAT RCC	RCC Muscat Air Force	
	RSC		
	Salalah		
SAUDI ARABIA			
	JEDDAH RCC	SAMCC	
	RSC		
	Dammam		
SUDAN			
	KHARTOUM RCC	ACC Khartoum	
	RSC		
	El Obeid		
	Juba		
	Port Sudan		
SYRIA			
	DAMASCUS RCC	RCC ATC	
	Damascus		
	Latakia		
UAE			
	ABU DHABI RCC	AEMCC	
	Abu Dhabi		
	Dubai		
	Fujairah		
YEMEN			
	SANA'A RCC	RCC Sanaa	
	RSC		
	Aden		
	Hodeidah		
	Riyan		

TABLE SAR II-MID-1 MID REGION SAR POINT OF CONTACT (SPOC) – COSPAS-SARSAT

STATE	SPOC NAME	ADDRESS	EMAIL	TEL	FAX	AFTN	ASS. MCC/ STATE ¹	LAST REVISION	REMARK
Bahrain	RCC ATC Bahrain	Bahrain CAA, Air Navigation Directorate P.O. Box 586 Kingdom of Bahrain	Bahatc@caa.gov.bh	(973) 17321081 17321080	(973) 17321905	OBBISARX	SAMCC Saudi Arabia	16-April-2013	
Egypt	SAR Centre	SAR Centre Almaza Air Base Heliopolis, Cairo, Egypt	jrc136@afmic.gov.eg mmc@saregypt.net nahedh@tra.gov.eg	(202) 24184537 24184531	(202) 24184537 24184531	HECCYCYX	ALMCC Algeria	22-OCT-2013	TELEX: (91) 21095 RCCC RUN
Iran	RCC Tehran	Civil Aviation Organization SAR Coordination Centre Mehrabad Airport Tehran, Iran	SAR@cao.ir IRAN-SAR@airport.ir rcc.IRAN@airport.ir	(9821) 44544107 44544116 44544060	(9821) 44544117 44544106	OIIZRZX	TRMCC Turkey	14-Jan-2013	
Iraq	CENTAF-AUAB CAOC JSRC			(974) 4503452 4364193	(974) 4327382		TRMCC Turkey	29-Sep-2009	
Jordan	RCC ATC Amman	RCC Civil Aviation Authority Amman Airport, Jordan		(9626) 4451672	(9626) 4451667	OJACZQZX	SAMCC Saudi Arabia	16-Apr-2013	
Kuwait	RCC ATC Kuwait	RCC DGCA Kuwait International Airport, P.O.Box 17, Kuwait		(965) 24760463 24762994	(965) 24346515 24346221	OKBKZQZX OKBKNSAR	SAMCC Saudi Arabia	16-Apr-2013	
Lebanon	RCC Beirut	RCC, DGCA Lebanon, Hariri Int'l Airport- Beirut, Lebanon		(961) 1628161	(961) 1628186 1629035	OLBIZQZX	SAMCC Saudi Arabia	16-Apr-2013	
Libya	CAA	CAA, Tripoli Int'l Airport, Libya	info@sar.caa.ly	(218.21) 5632332 4446799 3606868	(218.21) 563 0257 360 6868	HLLTYCYX	ALMCC Algeria	16-May-2013	TELEX (218.21) 5632332
Oman	RCC Muscat Air Force	RCC, HQ RAFO P.O.Box 730 Central Post Office Muscat Int'l Airport, Oman		(968) 24519209 24519332	(968) 24334776 24338692	OOMSYAYX	SAMCC Saudi Arabia	16-Apr-2013	

¹ Associated COSPAS-SARSAT Mission Control Center / State where it is located

STATE	SPOC NAME	ADDRESS	EMAIL	TEL	FAX	AFTN	ASS. MCC/ STATE ¹	LAST REVISION	REMARK
Qatar	RCC ATC			(974) 44616332 44651001 44616429	(974) 44622078 44678512	OTBDZTZX	SAMCC Saudi Arabia	16-Apr- 2013	
Saudi Arabia*	SAMCC	KSA.GACA / Air Navigation services P.O.Box 929 Jeddah 21421 Saudi Arabia	samcc@gaca.gov.sa	(96602) 6150170 6855812 (96650) 4601445	(96602) 6150171 6402855	OEJNJSAR	SAMCC Saudi Arabia	28-Jun- 2013	TEL 3 & FAX 2 for Head of SAMCC
Sudan	ACC Khartoum	Khartoum Airport, Sudan		(249.183) 788192 784925	(249.183) 528323	HSSSYCYX	ITMCC Italy	16-Apr- 2013	Thuraya +8821655524 296
Syria	RCC ATC	General Civil Aviation Authority		(963.11) 5400540	(963.11) 5400312	OSDIZQZX	SAMCC Saudi Arabia	16-Apr- 2013	
UAE*	AEMCC	SAR Coordination Center P.O.Box 906 GHQ Armed Forces UAE	aemcc@uae-jrcc.ae	(971.2) 4056144 4496866	(971.2) 4496844	OMADYCYX	AEMCC UAE	23-Sep- 2011	
Yemen	RCC Sanaa	RCC Department of Civil Aviation Sanaa, Yemen		(967) 1344673	(967) 1345916	OYSNYCYX	SAMCC Saudi Arabia	16-April- 2013	

¹ Associated COSPAS-SARSAT Mission Control Centre / State where it is located

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