

ATM/SAR/AIS SG/5
Appendix 4A to the Report on Agenda Item 4

**TABLE OF AIR NAVIGATION SHORTCOMINGS/DEFICIENCIES IN THE
ATM/SAR FIELD IN THE MIDDLE EAST REGION**

Item No	Identification		Shortcoming/Deficiency				Corrective Action			
	Requirement	States/Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
1	MID/ASIA ANP Charts ATS 1 and ATS 2	Iraq	Closure of the Baghdad FIR	26/5/95	D	The FIR and the ATS routes within it exist in the ANP, but are not useable at present for international flights (UN Resolution)	Awaiting lifting of UN restrictions		TBD	B
2	LIM/MID/RAN Rec 2/10 Reservation of airspace	All MID states	Extensive military restricted airspace affecting efficiency of airspace management	26/5/95	S	Military restricted airspace is preventing the establishment of direct routes, requiring extra track miles to be flown and affecting the efficiency of airspace management.	A. ICAO to survey States to establish compliance with Rec 2/10 B. IATA to advise specific deficiencies related to military airspace C. States to continue co-ordination with military to achieve more flexible use of airspace.	A. ICAO B. IATA C. All MID States	A. TBD B. Done C. TBD	B
3	LIM/MID/RAN Rec 2/9 Civil/Military Co-ordination	TBD	Lack of established bodies for Civil Military Co-ordination	15/6/98	S	Lack of civil military co-ordination bodies in some States is contributing to problems with incursions by military aircraft into civil airspace The following States advised they do have civil military co-ordination bodies: Bahrain, Egypt, Iran, Israel, Jordan, Kuwait, Oman, Saudi Arabia	A. ICAO to survey States to establish compliance with Rec 2/9 B. ICAO to organize a civil/military co-ordination seminar C. States which have not already done so to take action as required by LIM MID RAN Rec 2/9 to establish civil military co-ordination bodies.	A. ICAO B. ICAO C. States	A. TBD B. TBD C. TBD	A

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	Requirement	States/Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
4	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	All MID States	Lack of Search and Rescue Agreements between neighbouring States	11/11/94	S	Lack of SAR agreements can be detrimental to safety of persons in distress where searches overlap national boundaries. Draft Model SAR agreements adopted at MIDANPIRG/5.	A. States to commence negotiations with neighbours to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	All MID States	A. TBD B. TBD C. TBD	A
5	LIM MID RAN Concl 2/28	Sub-Regional problem in NW of MID Region	Choke points on ATS route between Mediterranean and Gulf area	26/5/95	D	Single route structure through East Mediterranean States causing traffic processing difficulties including the use of uneconomical level assignment. 5 min longitudinal separation has been introduced, and Planning underway for introduction of an additional route	A. 5 minute long. sep. B. Initial Coordination meeting for planning new route C. Further coordination meeting to finalize plans D. Improved surveillance in Syria E. Application of Radar separation	C. Jordan Saudi Arabia Syria D. Syria	A. done B. done C. TBD D. TBD	B
6	MID ANP Table ATS-1 Plan of ATS routes	Afghanistan Pakistan Uzbekistan	ATS route A219 not implemented	5/12/97	S	Implemented Nawabshah to Kandahar as B466. Re-designated because of prior use of this designator in ASIA/PAC region <i>Segment Kandahar Termez: Not implemented</i>	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B

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7	MID ANP Table ATS-1 Plan of ATS routes	Israel Jordan Syria	ATS route A412 not implemented	5/12/97	S	Jerusalem to Amman not yet implemented. <i>(Jerusalem- Amman :not implemented. Segment Amman Tanf shown as A 52)</i> (Need to implement segment Jerusalem Amman and designator A52 to change to A412)	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B
8	MID ANP Table ATS-1 Plan of ATS routes	Cyprus Greece	ATS route A414 not implemented	5/12/97	S	Route as currently defined lies outside the MID region. To be extended to Tel Aviv. <i>(shown as UA 014//UM 872)</i> <i>Need to change designator to A414</i>	To be discussed in EMAC meetings.	Cyprus, Greece, Israel, through EMAC***	TBD	B
9	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Qatar Saudi Arabia	ATS route A415 not implemented	5/12/97	S	Not yet implemented Doha to King Khalid	Saudi Arabia and Qatar to continue negotiations to open this route.	Saudi Arabia Qatar	TBD	B
10	MID ANP Table ATS-1 Plan of ATS routes	Iraq	ATS route A417 not implemented	5/12/97	S	No sections implemented	ICAO to follow up. See Item 1.	ICAO	TBD	B
11	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Saudi Arabia U.A.E Yemen	ATS route A419 not implemented	5/12/97	S	Not yet implemented Abu	A. States to organize informal coordination meeting to review route structure from Gulf south into Arabian Peninsula B. Develop ANP amendment proposal for revised route structure C. Implement revised route structure	A. States B. States and ICAO C. States	A. 1 Q 2001 B. 2 Q 2001 C. 3 Q 2001	B

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Item No	Identification		Shortcoming/Deficiency				Corrective Action			
	Requirement	States/ Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
12	MID ANP Table ATS-1 Plan of ATS routes	Iraq Syria Turkey	ATS route A421 not implemented	5/12/97	S	No sections implemented	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B
13	MID ANP Table ATS-1 Plan of ATS routes	Iraq	ATS route A424 not implemented	5/12/97	S	Not yet implemented Rafha to Baghdad	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B
14	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Iran	ATS route A453 not implemented	5/12/97	S	Not yet implemented Kish to Bahrain <i>Segment: Kish-Bahrain-Bahrain proposes Kish via ALSER Note2 (Iran) (segment Kish ALSER :Westbound. King Fahd RATUN Kish : Eastbound)</i>	A. IATA and Bahrain have developed proposal for re-alignment. To be co-ordinated with Iran B. Circulate amendment proposal	Bahrain Iran ICAO	A. TBD B. TBD	B
15	MID ANP Table ATS-1 Plan of ATS routes	Egypt Saudi Arabia	ATS route A791 not implemented	5/12/97	S	SISIK NUWEIBAA TABUK SOBAS- HAIL(not implemented)	A. States to coordinate and examine possible re-alignment of this route, or the possibility of L550 satisfying requirement B. Develop amendment proposal if required	Egypt Saudi Arabia IATA	A. TBD B. TBD	B
16	MID ANP Table ATS-1 Plan of ATS routes	Iraq Saudi Arabia	ATS route B401 not implemented	5/12/97	S	No sections implemented	ICAO to follow up. See Item 1.	ICAO	TBD	B
17	MID ANP Table ATS-1 Plan of ATS routes	Iraq Syria	ATS route B402 not implemented	5/12/97	S	No sections implemented	ICAO to follow up. See Item 1.	ICAO	TBD	B

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18	MID ANP Table ATS-1 Plan of ATS routes	Israel Cyprus	ATS route B406 not implemented	5/12/97	S	No sections implemented Implemented as B17/UB17 Larnaca- MERVA(FIR BDY)	To be discussed in EMAC*** meetings.	Israel Cyprus	TBD	B
19	MID ANP Table ATS-1 Plan of ATS routes	Cyprus Lebanon Syria Turkey	ATS route B410 not implemented	5/12/97	S	Only segment MUT to VESAR implemented	To be discussed in EMAC*** meetings.	Syria	TBD	B
20	MID ANP Table ATS-1 Plan of ATS routes	Iran Jordan Saudi Arabia	ATS route B411 not implemented	5/12/97	S	METSA - AL Shigar Not implemented	States to co-ordinate to achieve further implementation of this route.	A. Saudi Arabia Jordan B. Afghanistan Iran	A. TBD B. TBD	B
21	MID ANP Table ATS-1 Plan of ATS routes	Jordan Saudi Arabia Syria	ATS route B412 not implemented	5/12/97	S	No sections implemented Saudi Arabia and Jordan ready to implement. <i>(route via Halaifa(B554). Segment Halaifa- King Abdulaziz:B412)</i>	States to co-ordinate to finalize implementation	Jordan Saudi Arabia Syria	TBD	B
22	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Qatar	ATS route B415 not implemented	5/12/97	S	Not implemented Doha to Bahrain Subject to military restrictions	States to continue negotiations with one another and military	Bahrain Qatar	31/12/00	B
23	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Qatar Saudi Arabia	ATS route B419 not implemented	5/12/97	S	Not implemented Doha - King Fahd Subject to military restrictions	States to continue negotiations with one another and military	Bahrain Qatar Saudi Arabia	31/12/00	B

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	Requirement	States/ Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
24	MID ANP Table ATS-1 Plan of ATS routes	Syria Turkey	ATS route B538 not implemented	5/12/97	S	-(Segment <i>Gaziantep Aleppo:B544/VB36</i>) - (<i>segment Aleppo kariatain:W5</i>) -(Not implemented: <i>Aleppo Damascus</i>)	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B
25	MID ANP Table ATS-1 Plan of ATS routes	Cyprus Jordan Lebanon Turkey	ATS route B545 not implemented	5/12/97	S	No sections implemented <i>(Implemented.Ends at BALMA)</i> KHALDEH /AMMAN: <i>not Implemented</i> <i>Segment BALMA- Khaldeh: B15)</i>	To be discussed in EMAC*** meetings. ICAO to follow-up	Cyprus Jordan Lebanon Turkey	TBD	B
26	MID ANP Table ATS-1 Plan of ATS routes	Cyprus Iraq Lebanon Syria	ATS route G202 not implemented	5/12/97	S	Not implemented DAKWE - Damascus - Not implemented TANF- Samarra.	To be discussed in EMAC*** meetings.	Cyprus Iraq Lebanon Syria	TBD	B
27	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Saudi Arabia Yemen	ATS route G652 not implemented	5/12/97	S	Not implemented ETUKO to Aden	A. States to organize informal coordination meeting to review route structure from Gulf south into Arabian Peninsula B. Develop ANP amendment proposal for revised route structure C. Implement revised route structure	A. States + IATA B. States and ICAO C. States	A. 1 Q 2001 B. 2 Q 2001 C. 3 Q 2001	B

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	Requirement	States/ Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
28	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Saudi Arabia U.A.E.	ATS route G660 not implemented	5/12/97	S	Not implemented King Abdulaziz to Abu Dhabi	A. States to organize informal coordination meeting to review route structure from Gulf south into Arabian Peninsula B. Develop ANP amendment proposal for revised route structure C. Implement revised route structure	A. States B. States and ICAO C. States	A. 1 Q 2001 B. 2 Q 2001 C. 3 Q 2001	B
29	MID ANP Table ATS-1 Plan of ATS routes	Jordan Syria	ATS route G662 not implemented	5/12/97	S	Not implemented Damascus to Guriat	States to continue coordination to achieve implementation	Jordan Syria	31/12/00	B
30	MID ANP Table ATS-1 Plan of ATS routes	Cyprus Israel Jordan	ATS route G664 not implemented	5/12/97	S	No sections implemented	To be discussed in EMAC*** meetings.	Cyprus Israel Jordan	TBD	B
31	MID ANP Table ATS-1 Plan of ATS routes	Iran	ATS route G665 not implemented	5/12/97	S	Implemented, but segment Shiraz - NABOD is only available at night	ICAO to follow up with Iran to determine what action is needed to achieve full implementation	ICAO	TBD	B
32	MID ANP Table ATS-1 Plan of ATS routes	Saudi Arabia Yemen	ATS route G667 not implemented	5/12/97	S	Passes via Wadi Al Dawasir-Nejran. Segment Nejran nted.	States to coordinate to achieve implementation.	Saudi Arabia Yemen	TBD	B
33	MID ANP Table ATS-1 Plan of ATS routes	Iraq	ATS route G669 not implemented	5/12/97	S	Not yet implemented NISER to SOLAT	ICAO to follow up. See Item 1.	ICAO	TBD	B

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	Requirement	States/ Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
34	MID ANP Table ATS-1 Plan of ATS routes	Iran Iraq Syria	ATS route G671 not implemented	5/12/97	S	No sections implemented	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B
35	MID ANP Table ATS-1 Plan of ATS routes	Afghanistan Iran Pakistan Turkmenistan	ATS route G792 not implemented	5/12/97	S	No sections implemented Domestic designator on segment Charn Kandahar:V390	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B
36	MID ANP Table ATS-1 Plan of ATS routes	Iraq	ATS route G795 not implemented	5/12/97	S	Not yet implemented segment: Basra - Rafha	ICAO to follow up. See Item 1.	ICAO	TBD	B
37	MID ANP Table ATS-1 Plan of ATS routes	Cyprus Jordan Lebanon Syria	ATS route R219 not implemented	5/12/97	S	-Not implemented Segment: Damascus - Turaif -Note designator R219 on segment:KEDAT- KING FAHD-RATUN -and UR219 on segment KEDAT-JUBAIL-RATUN	States to co-ordinate to finalize implementation within the MID region. Implementation in Nicosia to be discussed in EMAC meetings.	Jordan Lebanon Syria Saudi Arabia ICAO	31/12/00	B
38	MID ANP Table ATS-1 Plan of ATS routes	Iraq	ATS route R651 not implemented	5/12/97	S	No sections implemented	ICAO to follow up. See Item 1.	ICAO	TBD	B
39	MID ANP Table ATS-1 Plan of ATS routes	Israel Jordan Syria	ATS route R653 not implemented	5/12/97	S	No sections implemented			TBD	B
40	MID ANP Table ATS-1 Plan of ATS routes	Iran Oman	ATS route R658 not implemented	5/12/97	S	No sections implemented	States to coordinate to achieve implementation	Iran Oman	TBD	B

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Item No	Identification		Shortcoming/Deficiency				Corrective Action			
	Requirement	States/ Facilities	Description	Date first reported	Status *	Remarks	Description	Executing body	Target Date	Priority**
41	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Saudi Arabia Qatar Yemen	ATS route R659 not implemented	5/12/97	S	Not implemented Doha to	A. States to organize informal coordination meeting to review route structure from gulf south into Arabian Peninsula B. Develop ANP amendment proposal for revised route structure C. Implement revised route structureh	A. States + IATA B. States and ICAO C. States	A. 1 Q 2001 B. 2 Q 2001 C. 3 Q 2001	B
42	MID ANP Table ATS-1 Plan of ATS routes	Iraq Turkey	ATS route R784 not implemented	5/12/97	S	Not implemented SIDAD to Siirt	ICAO to follow up with States to determine what action is needed to achieve implementation	ICAO	TBD	B

EXPLANATORY NOTES

*S = shortcoming D = deficiency

** Priority for action to remedy the shortcoming is based on the following safety assessments:

Urgent requirements having a **direct** impact on **safety** and requiring **immediate** corrective actions.

Urgent requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is urgently required for air navigation safety.

Top priority requirements **necessary** for air navigation **safety**.

Top priority requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is considered necessary for air navigation safety.

Intermediate requirements **necessary** for air navigation **regularity and efficiency**.

Intermediate priority requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is considered necessary for air navigation regularity and efficiency.

*** EMAC = European Middle East regional coordination mechanism on ATM
