



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**THE MIDDLE EAST AIR NAVIGATION PLANNING
AND IMPLEMENTATION REGIONAL GROUP
(MIDANPIRG)**

**REPORT OF THE THIRD MEETING OF
AIR TRAFFIC SERVICES ROUTE NETWORK
TASK FORCE**

ARN TF/3

(Cairo, Egypt, 15 – 17 March 2010)

The views expressed in this Report should be taken as those of the MIDANPIRG ARN Task-Force and not of the Organization. This Report will, however, be submitted to the MIDANPIRG and any formal action taken will be published in due course as a Supplement to the Report.

Approved by the Meeting
and published by authority of the Secretary General

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TABLE OF CONTENTS

Page

PART I - HISTORY OF THE MEETING

1.	Place and Duration	1
2.	Opening.....	1
3.	Attendance	1
4.	Officers and Secretariat.....	1
5.	Language.....	1
6.	Agenda.....	2
7.	Conclusions and Decisions - Definition	2

PART II - REPORT ON AGENDA ITEMS

Report on Agenda Item 1	1-1
Report on Agenda Item 2	2-1
Report on Agenda Item 3	3-1/3-5
Appendices 3A – 3D	
Report on Agenda Item 4	4-1/4-3
Appendices 4A - 4C	
Report on Agenda Item 5	5-1
Appendix 5A	
Report on Agenda Item 6	6-1
Appendix 6A	
Report on Agenda Item 7	7-1
List of Participants	Attachment A

ARN TF/3
History of the Meeting

PART I – HISTORY OF THE MEETING

1. PLACE AND DURATION

1.1 The third meeting of ARN TF/3 was held at the conference hall of the ICAO MID Regional Office in Cairo, Egypt 15-17 March 2010.

2. OPENING

2.1 The Meeting was opened by Mr. Jehad Faqir, ICAO Deputy Regional Director, Middle East Office. In his opening remarks, Mr. Faqir welcomed all delegates to Cairo and to the third meeting of the ARN Task Force, and expressed his appreciation to the states that have contributed to the meeting in the form of working papers, the high level of participation, as well as the participation by members of the military. He encouraged all States to continue efforts to ensure the involvement of the military in civil aviation air traffic management planning and implementation matters.

2.2 Mr. Faqir recalled that the role of the Task Force was two fold, to update the existing ATS route network and to undertake a complete revision of the MID ATS route catalogue, the latter being primary objective for establishment of the Task Force. He acknowledged contributions from the airspace users and from States, and urged the participants from States to work as experts and not necessarily as representatives of their own States.

3. ATTENDANCE

3.1 The meeting was attended by a total of thirty nine (39) participants, including experts from ten (10) States (Bahrain, Egypt, Iraq, Jordan, Kuwait, Qatar, Saudi Arabia, Syria, United Arab Emirates and Yemen) and (4) four International Organizations (ACAC, EUROCONTROL, IACA and IATA). The list of participants is at the **Attachment A** to the Report.

4. OFFICERS AND SECRETARIAT

4.1 The meeting was chaired by Mr. Mohsen Lotfi Mohamed El Agaty, Director General of Research and Development, National Air Navigation Services Company (NANSC), Egypt. Mr. Saud Al-Adhoobi, Regional Officer ATM/SAR was the Secretary of the meeting, and Mr. Jehad Faqir, Deputy Regional Director MID Regional Office supported the meeting.

5. LANGUAGE

5.1 Discussions were conducted in English and documentation was issued in English.

6. AGENDA

6.1 The following Agenda was adopted:

Agenda Item 1: Adoption of the Provisional Agenda and Election of Chairperson

Agenda Item 2: Follow-up on MIDANPIRG and other meetings Conclusions and Decisions relevant to ATS Route Network

ARN TF/3
History of the Meeting

Agenda Item 3: Comprehensive ATS Route Network Review

Agenda Item 4: Follow-up on the ATS Route Catalogue Action Items

Agenda Item 5: Review/update the deficiencies in the ATS Routes Network

Agenda Item 6: Future Work Programme

Agenda Item 7: Any Other Business

7. CONCLUSIONS AND DECISIONS – DEFINITION

7.1 All MIDANPIRG Sub-Groups and Task Forces record their actions in the form of Conclusions and Decisions with the following significance:

- a) **Conclusions** deal with the matters which, in accordance with the Group's terms of reference, merit directly the attention of States on which further action will be initiated by ICAO in accordance with established procedures; and
- b) **Decisions** deal with matters of concern only to the MIDANPIRG and its contributory bodies.

ARN TF/3
Report on Agenda Item 1

PART II: REPORT ON AGENDA ITEMS

REPORT ON AGENDA ITEM 1: ADOPTION OF THE PROVISIONAL AGENDA

1.1 The meeting reviewed and adopted the provisional agenda as at paragraph 6 of the history of the meeting.

ARN TF/3
Report on Agenda Item 2

**REPORT ON AGENDA ITEM 2: FOLLOW-UP ON MIDANPIRG AND OTHER MEETINGS
CONCLUSIONS AND DECISIONS RELEVANT TO ATS ROUTE
NETWORK**

2.1 The meeting noted the status of relevant MIDANPIRG/11 and ATM/SAR/AIS SG/11 Conclusions and Decisions related to the work programme of the ARN TF and the follow-up actions taken by States, the secretariat and other parties concerned as at **Appendix 2A** to the Report on Agenda Item 2.

2.2 The meeting agreed in its deliberation to review the Conclusions and Decisions which are still current under the relevant Agenda Item.

ARN TF/3
Appendix 2A to the Report on Agenda Item 2

**MIDANPIRG/11 and ATM/SAR /AIS SG/11 Conclusions and Decision pertinent to the work of the ARN Task Force
for consideration by the ARN TF/3 meeting**

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p>CONC. 11/13: MID BASIC ANP AND FASID (DOC 9708)</p> <p>That,</p> <p>a) further to the approval of the Proposal for amendment of the MID Basic ANP 08/05-AOP, the ICAO MID Regional Office, on behalf of MIDANPIRG, initiate all necessary Amendment Proposals to the MID Basic ANP and FASID, prior to MIDANPIRG/12, in order to update the AIS, AOP, ATM, CNS and MET tables; and</p> <p>b) ICAO is to allocate sufficient resources and give high priority for the publication of Doc 9708 in English and Arabic languages, incorporating all approved Amendments.</p>	<p>Process Amendments Proposals to the MID Basic ANP and FASID Finalize and publish the approved version of Doc 9708</p>	<p>ICAO</p>	<p>Amendment Proposal issued</p> <p>Amendment Proposal approved and incorporated in the final version of Doc 9708</p> <p>Final Version of Doc 9708 published</p>	<p>Mar. 2010</p> <p>TBD</p>	
<p>DEC. 11/14: TERMS OF REFERENCE OF THE MID ATS ROUTE NETWORK TASK FORCE (ARN TF)</p> <p>That, the Terms of Reference of MID Region ATS Route Network Task Force is revised as at Appendix 5.2A to the Report on Agenda Item 5.2.</p>	<ul style="list-style-type: none"> - Development of routes - Convening of meetings 	<p>ARNTF, ICAO</p>	<p>Task Force Reports</p>	<p>Ongoing</p>	<p>Closed</p>

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p>CONC. 11/15: AMENDMENT AND EDITORIAL CHANGES TO THE REGIONAL ATS ROUTE NETWORK</p> <p>That, in order to maintain the integrity, objectives and benefits of the MID Basic Air Navigation Plan Table ATS-1 and related Charts, MID States are urged to:</p> <p>a) adhere to established ICAO procedures for amendments and establishment of ATS routes that form part of the Regional ATS route network;</p> <p>b) inform ICAO when minor editorial changes in the Regional ATS routes are deemed necessary, before any such changes take effect; and</p> <p>c) submit to the MID Regional Office descriptions of existing Regional ATS Routes that are at variance with the Basic ANP Table ATS 1 in format that will be detailed by a State letter, including proposals for amendment of ATS Table 1 as applicable.</p>	<p>Implement Conclusion</p>	<p>States</p>	<p>State Letter</p> <p>Amendment of the ANP in accordance with established procedures</p> <p>Editorial updates from States</p> <p>Comprehensive Table ATS 1 Amendment</p>	<p>Feb. 2009</p> <p>Ongoing</p> <p>Ongoing</p> <p>Jun. 2009</p>	<p>Ongoing proposal for Amendment to be issued by Feb. 2010</p>
<p>CONC. 11/16: MID ATS ROUTE CATALOGUE</p> <p>That, in order to support the process of ATS route development in the MID Region, including the keeping of a record of ATS routes proposed for development and facilitating follow-up on the actions pertaining to the routes' development:</p> <p>a) the MID ATS Route Catalogue is adopted as at Appendix 5.2C to the Report on Agenda Item 5.2; and</p> <p>b) MID States and concerned International Organizations are urged to periodically review the Catalogue, note developments and take action as applicable.</p>	<p>Implement the Resolution</p> <p>Take action as indicated in catalogue</p>	<p>States, ICAO International Organizations</p>	<p>Development of route proposals</p> <p>Inputs from States and International Organizations</p>	<p>Ongoing</p>	<p>Ongoing</p>

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p>CONC. 11/73: MID REGION PBN IMPLEMENTATION STRATEGY AND PLAN</p> <p>That, in order to provide direction to the Stakeholders in their strategic planning during the transition to full implementation of PBN:</p> <p>a) the Middle East Regional Strategy for Implementation of PBN is adopted as at Appendix 5.5Q to the Report on Agenda Item 5.5.</p> <p>b) The PBN Regional Implementation Plan is adopted as at Appendix 5.5R to the Report on Agenda Item 5.5.</p>	<p>Implementation of PBN Strategy and Plan</p>	<p>ICAO, States</p>	<p>Adoption by MIDANPIRG/11</p> <p>State Letter</p> <p>PBN Implementation</p>	<p>Feb. 2009</p> <p>Mar. 2009</p> <p>Ongoing</p>	
<p>CONC. 11/74: PBN STATE IMPLEMENTATION PLAN</p> <p>That, in order to give effect to Assembly Resolution A36-23: Performance based navigation global goals, MID States are urged to complete development of their individual State Implementation plans based on the regional PBN implementation plan by 30 September 2009 so that it may be reviewed by the ATM/SAR/AIS SG as part of the Regional agreement process.</p>	<p>Implement the Conclusion</p>	<p>States</p>	<p>State Implementation Plans</p> <p>PBN Implementation</p>	<p>Nov. 2009</p> <p>Ongoing</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p>Conc. 11/86: Elimination of Air Navigation Deficiencies in the MID Region</p> <p>That,</p> <p>a) States review their respective lists of identified deficiencies, define their root causes and forward an action plan for rectification of outstanding deficiencies to the ICAO MID Regional Office;</p> <p>b) States and Users Organizations use the online facility offered by the ICAO MID Air Navigation Deficiency Database (MANDD) for submitting online requests for addition, update and elimination of air navigation deficiencies;</p> <p>c) States increase their efforts to overcome the delay in mitigating air navigation deficiencies identified by MIDANPIRG and explore ways and means to eliminate deficiencies;</p> <p>d) ICAO continue to provide assistance to States for the purpose of rectifying deficiencies; and when required, States request ICAO assistance through Technical Co-operation Programme, Special Implementation Projects (SIP) and/or other available mechanisms such as IFFAS; and</p> <p>e) States are encouraged to seek support from regional and international organizations (i.e: ACAC, GCC, etc.) for the elimination of identified air navigation deficiencies.</p>	<p>Implementation of the Conclusion</p>	<p>States</p> <p>Users</p> <p>ICAO</p>	<p>Action plans for elimination of deficiencies</p> <p>Feedback from Users and States received through MANDD</p> <p>Assistance provided to States, as requested and as appropriate</p>	<p>May 2009</p> <p>Ongoing</p> <p>Ongoing</p>	

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
<p>DRAFT CONC. 11/1: PROPOSAL FOR AMENDMENT TO THE MID BASIC ANP ATS-1 TABLE</p> <p>That, the ICAO MID Regional Office issue a proposal for amendment to the MID Basic ANP in order to update the ATS-1 Table as at Appendix 3A to the Report on Agenda Item 3.</p>	<p>Consolidate the proposal for amendment</p>	<p>ICAO</p>	<p>Proposal for amendment to be issued</p>	<p>Feb. 2010</p>	
<p>DRAFT CONC. 11/2: RNAV IMPLEMENTATION IN THE MID REGION</p> <p>That, States that have not yet done so, be urged to:</p> <p>a) update their AIP to change RNP 5 to RNAV 5 and to set the width of the RNAV 5 Routes to 10NM (5NM on each side); and</p> <p>b) take necessary measures to implement RNAV 5 area starting from FL 160 up to FL460 inclusive.</p>	<p>Implement the Conclusion</p>	<p>ICAO</p>	<p>WP to MIDANPIRG/12</p> <p>State Letter</p>	<p>Oct. 2010</p> <p>Dec. 2010</p>	
<p>DRAFT CONC. 11/3: ALLOCATION OF FIVE-LETTER-NAME CODES IN THE MID REGION</p> <p>That, States that have not yet done so, be urged to:</p> <p>a) assign ICARD ATS Route Planners, in order to make use of the ICARD system and improve the process of allocation of 5LNCs;</p> <p>b) review their list of allocated 5LNCs and identify the non-used, duplicate and non-ICAO 5LNCs, and inform the ICAO MID Regional Office accordingly for necessary action; and</p> <p>c) update the ICARD database by adding the missing information (missing latitude and longitude coordinates, etc).</p>	<p>Implement the Conclusion</p>	<p>ICAO</p>	<p>State Letter</p> <p>Feedback from States</p> <p>WP to MIDANPIRG/12</p>	<p>Dec. 2009</p> <p>Oct. 2010</p>	

ARN TF/3
Report on Agenda Item 3

REPORT ON AGENDA ITEM 3: COMPREHENSIVE ATS ROUTE NETWORK REVIEW

3.1 The meeting recalled that the MIDANPIRG/11 meeting, Cairo 9-13 February 2009 adopted the following Conclusion:

CONCLUSION 11/15: AMENDMENT AND EDITORIAL CHANGES TO THE REGIONAL ATS ROUTE NETWORK

That, in order to maintain the integrity, objectives and benefits of the MID Basic Air Navigation Plan Table ATS-1 and related Charts, MID States are urged to:

- a) adhere to established ICAO procedures for amendments and establishment of ATS routes that form part of the Regional ATS route network;*
- b) inform ICAO when minor editorial changes in the Regional ATS routes are deemed necessary, before any such changes take effect; and*
- c) submit to the MID Regional Office, descriptions of existing Regional ATS routes that are at variance with the MID Basic ANP Table ATS-1 in a format that will be detailed by a State Letter, including proposals for amendment of Table ATS-1 as applicable.*

3.2 The meeting also reviewed the ATM/SAR/AIS SG/11 meeting Draft Conclusion 11/1, which is proposed to replace and supersede MIDANPIRG/11 Conclusion 11/15 and 11/16:

DRAFT CONCLUSION 11/1: PROPOSAL FOR AMENDMENT TO THE MID BASIC ANP ATS-1 TABLE

*That, the ICAO MID Regional Office issue a proposal for amendment to the MID Basic ANP in order to update the ATS-1 Table as at **Appendix 3A** to the Report on Agenda Item 3.*

3.3 The meeting noted that Bahrain, Oman and UAE have established RNAV 1 Routes in their FIRs (A419, B457, B505, N563, N571, P307, Q111, Q112, Q114 and Q300). The ATM/SAR/AIS SG/11 meeting agreed that these routes be included in the MID Basic ANP Table ATS 1- ATS Routes and that appropriate route designators be assigned to these routes.

3.4 It was agreed that in order to facilitate the amendment proposal to the Basic ANP Table ATS 1- ATS routes, an additional explanatory **Note, 8** be added to Table ATS 1- ATS routes to indicate that an ATS route or part thereof is an RNAV 1 route, as at **Appendix 3A** to the Report on Agenda Item 3.

3.5 The meeting agreed that all references to Afghanistan, Cyprus and Pakistan are to be removed from the MID Basic ANP Table ATS 1- ATS routes. Since these States' accreditation and Air Navigation Plan (ANP) are not part of the MID Region.

3.6 The meeting noted with concern that there are a number of States that are not complying with the established procedures for the amendment of the ATS route Network, including the compliance with the AIRAC procedures. Where, the ATM/SAR/AIS SG/11 meeting urged States to adhere to the established ICAO procedures for amendments and establishment of ATS routes that form part of the Regional ATS route network.

ARN TF/3
Report on Agenda Item 3

3.7 The meeting agreed to add ATS routes that are of variance from the ANP Table ATS 1-ATS routes, to the deficiency list of the State concerned.

3.8 The meeting noted that the ATM/SAR/AIS SG/11 meeting in Bahrain recognized the need to harmonize the implementation of RNAV 5 in the MID Region. In this regard, it was noted that a number of States have not yet updated their AIPs to change RNP 5 to RNAV 5. In addition, it was noted that the RNAV 5 area is implemented by MID FIR's/States with a different base Flight Level (FL150, FL195, FL245, FL280). Accordingly, the ATM/SAR/AIS SG/11 meeting agreed to the following Draft Conclusion:

DRAFT CONCLUSION 11/2: RNAV 5 IMPLEMENTATION IN THE MID REGION

That, States that have not yet done so, be urged to:

- a) update their AIP to change RNP 5 to RNAV 5 and to set the width of the RNAV 5 Routes to 10NM (5NM on each side); and*
- b) take necessary measures to implement RNAV 5 area in the level band FL 160 - FL460 (inclusive).*

3.9 The meeting agreed to merge ATS route UN318 from GURIAT (GRY) to LOXAT (252140N 0524523E) with B/UB457, that terminates on the boundary of Muscat/Mumbai FIR's at REXOD (211230N 0613830E) into a single ATS route designator i.e. N/UN318. The meeting requested that Oman and UAE coordinate the change to the route designator.

3.10 The meeting reviewed the report of the First meeting of Baghdad FIR RVSM Implementation Working Group (BFRI WG/1) held in Cairo 18 – 20 January 2010. It also reviewed a number of ATS route proposals made by Iraq as at **Appendix 3B** to the Report on Agenda Item 3.

3.11 The meeting discussed the Table ATS 1 – ATS routes and noted the following:

- a) A412 segment Amman – ZELAF was unintentionally deleted from the Table ATS 1 – ATS routes and has been restored.
- b) The proposals to amend A418 and P574 were not supported by UAE and they requested that the routes remain un-amended until coordination has been established between Iran and UAE.
- c) Re-designation of A451 to P751 has been completed by Egypt and Yemen as of 11 March 2010. Yemen informed the meeting that the re-designation of A451 to P751 could cause confusion with another route with designator P571 in the same air space. Saudi Arabia and Yemen agreed to re-designate ATS P571 to another designator and an amendment proposal submitted to ICAO MID Regional Office.
- d) Jordan and Saudi Arabia agreed to remove the *Note 2 and 3* from ATS route B411.
- e) Jordan and Syria requested the meeting to change the *Note 2 on* ATS route B412 to *Note 4* as highlighted in the Table ATS 1 – ATS routes.

ARN TF/3
Report on Agenda Item 3

- f) There was a proposal to remove segment Jeddah-Abu Dhabi way points from ATS route G660, however IATA requested the meeting to retain this segment in the Plan for future use.
- g) Saudi Arabia informed the meeting that they have changed the location of some of their Navigational Aids and FIXES i.e. (GINDI) and will provide updated information to ICAO MID Regional Office.
- h) Jordan informed the meeting that it is considering a proposal to re-align A412 and L200.
- i) Yemen informed the meeting that all references to RIYAN VOR in the Table ATS 1- ATS routes are to be replaced by MUKALLA and the coding remains the same (RIN).
- j) IACA and IATA urged States concerned to accord high priority to the implementation of ATS route UL602/UP975.
- k) Egypt provided information dealing with routes that are missing from the MID Table ATS 1- ATS routes. The meeting agreed to include these routes in the Table as at **Appendix 3C** to the Report on Agenda Item 3.

3.12 Discussions on the ATS Route proposals submitted by Iran were presented by the Secretariat on behalf of Iran. Accordingly the meeting noted the following:

- a) Bahrain requested additional information regarding the connection of (MIDSI - IMDAT) before considering the proposal.
- b) Bahrain informed the meeting that they had discussed (MIDSI - DASDO) with Iran. The volume of traffic at MIDSI has exceeded the passing frequency limits. Bahrain proposed a second boundary point to create a uni-directional route. The proposal is to be subject to bi-lateral discussions between Bahrain and Iran.
- c) The UAE registered its disagreement on the proposal of Iran to amend the replacement of points KUMUN – PAPAR with DAPER – SYZ for the following reasons:
 - KUMUN - PAPAR has been unavailable since December 2006 as a result of a unilateral decision by Iran, in contravention of the LOA.
 - The route remains a UAE requirement to permit safe traffic handling without a substantial detour via DARAX.
 - Contradictory coordinates have been stated for position DAPER – one of them being in Jeddah (FIR) and another would result in a head-on flow for inbound traffic to Dubai/Sharjah.
 - Rather than being deleted, A418/UA418/UP574 should be reinstated in accordance with the LOA.
- d) Consideration of the route proposals (KANAS - GOKSO to PG) and (BND - ORBIX) did not take place.

ARN TF/3
Report on Agenda Item 3

- e) Consideration of the route proposals (PEKES - ANK) and (GIBAB - UMH) did not take place.
- f) The meeting agreed to the proposal of amendments to Table ATS 1- ATS routes submitted by Iran with the exception of the change to A418/UP574 as at **Appendix 3D** to the Report on Agenda Item 3.

3.13 Iraq submitted several proposals for establishment of a number of ATS routes within Baghdad FIR to relieve congestion and increase capacity, and requested concerned States to review and agree on a reasonable time frame to implement these routes: The results of discussions are summarized in the following table:

DESCRIPTION OF ATS ROUTE PROPOSAL	DECISION
M320 (KUWAIT – MOBIS - RAPLU)	- Kuwait requested additional time to examine the proposal for the establishment of the ATS route.
G669 (NISER - SOLAT)	- Kuwait requested additional time to examine the proposal for the establishment of ATS route G669. - Saudi Arabia has no objection to open the Route G669) as proposed by Iraq as the segment in Jeddah FIR is already implemented.
J222 (ALSOX - SOKAD)	- Syria to review the proposal and will inform ICAO.
W8 (DEIR - ZZOR - SANANDAJ)	- Syria requested additional time to examine the proposal for the establishment of the ATS route.
A424 (LOTAN - LOVEK)	- Saudi Arabia has no objections to extend the route in Baghdad FIR. - Proposed AIRAC date 1 July 2010.
UL602 (ELEXI – DEIR - ZZOR)	- Syria requested additional time to examine the communication requirements by concerned FIR's. - Once the communication issues are resolved it is expected that the ATS route will be implemented.
G667 (ABADAN - ALSAN)	- Not supported by Kuwait at present. - Kuwait requested additional time to examine the proposal. - Iraq requested that Airway be suspended until adequate radar coverage exists and RVSM has been implemented in the Baghdad (FIR).
R652 (OVANO - DAXAN)	- Not supported by Jordan and Saudi Arabia. - Refer the ATS route to the MID/RMA for further studies and analysis of passing frequency. - ATS route R652 is in close proximity with ATS route UR785 and fix (OTILA) that would cause traffic conflict.

ARN TF/3
Report on Agenda Item 3

3.14 MID RMA advised the meeting that the proposals submitted by Iraq require assessment by RMA to ensure the passing frequencies are within the specified limits. An estimate of expected traffic volume would be required to conduct the assessment of passing frequencies.

3.15 The meeting was briefed on the outcome of the RDGE/12 meeting held in Paris 8-12 March 2010 and noted with appreciation the successful conclusion and signature of the Letters of Agreement (LOA) between Ankara and Baghdad ACCs to open ATS route UT888.

3.16 Bahrain and Kuwait jointly announced that a one month agreement has been concluded commencing in March 2010, where Kuwait will avail additional flight levels with a minimum separation of 40NM. Appreciation was expressed by a number of delegations for the initiative.

3.17 Jordan submitted several proposals to re-structure the airspace in Jordan; Syria advised the meeting that it is still considering parts of the proposal and intends to hold discussions with Jordan.

ARN TF/3
Appendix 3A to the Report on Agenda Item 3

TABLE ATS 1 – ATS ROUTES
TABLEAU ATS 1 – ROUTES ATS
TABLA ATS 1 – RUTAS ATS

EXPLANATION OF THE TABLE

Column

1 Designator of ATS route.

2 Significant points defining the ATS routes. Only prominent locations have been listed. Additional points where facilities are provided to complete navigational guidance along a route, but not otherwise marking significant characteristics of the route (change of heading of centre line, intersection with other routes, etc.) have normally not been included. Locations shown in parentheses indicate significant points outside the Region.

Note 1. Not representing the operator's requirements. Operator's required route and/or nav aids are shown in square brackets ([]).

Note 2. Subject to further study. Including the associated navigation aid coverage.

Note 3 Subject to military agreement.

Note 4. Not acceptable at present.

Note 5. At present, implementation possible only during specific periods (e.g. weekends, nights, etc., as published).

Note 6. At present, implementation of the RNAV route only possible above FL 300, or as published.

Note 7. Unidirectional use.

Note 8. For ATS route or part thereof is RNAV 1

Whenever reference to name States is made in Table ATS 1 in connection with the above notes, the following abbreviations, based on those indicated in Location Indicators (Doc 7910), are used:

HE	Egypt	OK	Kuwait
HL	Libyan Arab Jamahiriya	OL	Lebanon
HS	Sudan	OM	United Arab Emirates
LC	Cyprus	OO	Oman
LL	Israel	OP	Pakistan
OA	Afghanistan	OR	Iraq
OB	Bahrain	OS	Syrian Arab Republic
OE	Saudi Arabia	OT	Qatar
OI	Iran, Islamic Republic of	OY	Yemen
OJ	Jordan		

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

A1 METRU 340000N 0250900E
 SOKAL 323601N 0273706E
 KATEX 320701N 0282436E
 BOPED 312939N 0292655E
 ALEXANDRIA (AXD) 311113N
 0295701E
 MENKU 310531N 0301806E
 CAIRO (CVO) 300532N
 0312318E

UA1 METRU 340000N 0250900E
 SOKAL 323601N 0273706E
 KATEX 320701N 0282436E
 BOPED 312939N 0292655E
 ALEXANDRIA (AXD) 311113N
 0295701E
 MENKU 310531N 0301806E
 CAIRO (CVO) 300532N
 0312318E

A16 RASDA 330600N 0305700E
 MILAD 320201N 03104406E
 BALTIM (BLT) 313144N
 0311035E
 DEGDI 311429N 0311035E
 CAIRO (CVO) 300532N
 0312318E

UA16 RASDA 330600N 0305700E
 MILAD 320201N 03104406E
 BALTIM (BLT) 313144N
 0311035E
 DEGDI 311429N 0311035E
 CAIRO (CVO) 300532N
 0312318E

A145 LORNO 372400N 0190000E
 TRL 3724.2N 02220.4E
 PLH 3513.7N 02340.9E
 SALUN 340000N 0242700E *
 BRN 3134.5N 02600.3E
 DANAD 2851.1N 02806.1E
 ALTAT 263600N 02946.3E
 EGPAR 2614.8N 03001.8E
 AVIVA 2548.3N 03020.5E
 KHG 2526.9N 03035.4E
 KUNAK 2527.7N 03041.2E
 EMENA 2537.8N 03151.8E
 (LUXOR) 2445.0N 03246.1E
 ASRAB 2547.4N 03306.3E
 LORAS 2556.8N 03427.2E
 IMRAD 260500N 0354400E
 WEJH 2610.8N 03629.3E
 HLF 262600N 03916.1E
 ALNAT 262400N 04057.9E
 GASSIM 2617.9N 04346.8E
 LABIS 2618.2N 04517.9E
 PUSLA 261800N 04617.1E
 MGA 2617.3N 04712.4E

UA145 LORNO 372400N 0190000E
 TRL 3724.2N 02220.4E
 PLH 3513.7N 02340.9E
 SALUN 340000N 0242700E *
 BRN 3134.5N 02600.3E
 DANAD 2851.1N 02806.1E
 ALTAT 263600N 02946.3E
 EGPAR 2614.8N 03001.8E
 AVIVA 2548.3N 03020.5E
 KHG 2526.9N 03035.4E
 KUNAK 2527.7N 03041.2E
 EMENA 2537.8N 03151.8E
 (LUXOR) 2445.0N 03246.1E
 ASRAB 2547.4N 03306.3E
 LORAS 2556.8N 03427.2E
 IMRAD 260500N 0354400E
 WEJH 2610.8N 03629.3E
 HLF 262600N 03916.1E
 ALNAT 262400N 04057.9E
 GASSIM 2617.9N 04346.8E
 LABIS 2618.2N 04517.9E
 PUSLA 261800N 04617.1E
 MGA 2617.3N 04712.4E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

MUSRI 2616.8N 04741.6E
 ALMAL 2615.9N 04821.1E
 ASKIM 2617.4N 04842.6E
 DELMU 2618.9N 04903.4E
 KING FAHD 2621.9N 04949.2E

MUSRI 2616.8N 04741.6E
 ALMAL 2615.9N 04821.1E
 ASKIM 2617.4N 04842.6E
 DELMU 2618.9N 04903.4E
 KING FAHD 2621.9N 04949.2E

A219 (~~NAWABSHAH~~)
 SERKA 2951.0N 06615.0E
 KANDAHAR
 (~~TERMEZ~~)

UA219 (~~NAWABSHAH~~)
 SERKA 2951.0N 06615.0E
 KANDAHAR
 (~~TERMEZ~~)

A408 (ADDIS ABABA)
 SALEH 140000N 0420000E
 ORNIS 1416.2N04236.9E
 HODEIDAH 1446.4N 04259.2E

UA408 (ADDIS ABABA)
 SALEH 140000N 0420000E
 ORNIS 1416.2N04236.9E
 HODEIDAH 1446.4N 04259.2E

A411 (CAIRO) CVO 3005.5N 03123.3E
 MENLI 2947.0N 03152.1E
 KAMIS 2917.0N 03236.1E
 SHARM EL SHEIKH
 PASAM 2730.8N 03455.7E
 *Note 7(OE)
 WEJH 2610.8N 03629.3E
 MUVAT 2537.9N 03654.8E
 YEN 2409.0N 03802.3E
 KITOD 233800N 0381649E
 VATAS 223802N 0384433E
 JDW 2140.7N 03910.0E
 TONBO 205502N 0394911E
 MIRIS 200318N 0403122E
 QUN 1922.2N 04104.5E
 TALIB 1838.9N 04131.2E
 GIZ 1654.5N 04234.7E
 NABAN 1631.4N 04301.8E
 IMSIL 1557.6N 04313.2E
 SAA 1530.0N 04413.2E

UA411 (CAIRO) CVO 3005.5N 03123.3E
 MENLI 2947.0N 03152.1E
 KAMIS 2917.0N 03236.1E
 SHARM EL SHEIKH
 PASAM 2730.8N 03455.7E
 *Note 7(OE)
 WEJH 2610.8N 03629.3E
 MUVAT 2537.9N 03654.8E
 YEN 2409.0N 03802.3E
 KITOD 233800N 0381649E
 VATAS 223802N 0384433E
 JDW 2140.7N 03910.0E
 TONBO 205502N 0394911E
 MIRIS 200318N 0403122E
 QUN 1922.2N 04104.5E
 TALIB 1838.9N 04131.2E
 GIZ 1654.5N 04234.7E
 NABAN 1631.4N 04301.8E
 IMSIL 1557.6N 04313.2E
 SAA 1530.0N 04413.2E

A412 ~~JERUSALEM~~
 AMMAN
 ZELAF 3257.0N 03800.0E
 * Note 4(OJ)

UA412 ~~JERUSALEM~~
 AMMAN
 ZELAF 3257.0N 03800.0E
 * Note 4(OJ)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

	TANF		TANF
A413	TESSO 2828.9N 04927.4E VUXAL 2835.5N 04946.1E ALNIN 2840.9N 05001.6E BUSHEHR	UA413	TESSO 2828.9N 04927.4E VUXAL 2835.5N 04946.1E ALNIN 2840.9N 05001.6E BUSHEHR
A414	GITLA 3219.1N 03402.8E (SITIA)	UA414	GITLA 3219.1N 03402.8E (SITIA)
A415	KING KHALID HSA 2516.7N 04929.0E DOHA * Note 5(OE,OB) SHARJAH	UA415	KING KHALID HSA 2516.7N 04929.0E DOHA * Note 5(OE,OB) SHARJAH
A416	TABRIZ (TBZ) ARDABIL RASHT RAMSAR NOSHAHR DASHTE NAZ DNZ SABZEVAR MASHHAD SOKAM 331316N 0603754E	UA416	TABRIZ (TBZ) ARDABIL RASHT RAMSAR NOSHAHR DASHTE NAZ DNZ SABZEVAR MASHHAD SOKAM 331316N 0603754E
A417	PUTRA 165432N 0525631E LOTEL 180926N0514103E IMPOS 183136N 0511848E SILPA 184953N 0510158E ASTIN 200410N 0495320E NONGA 205048N 0492014E ALRIK 220631N 0482535E AMBAG 230529N 0474611E RESAL 240649N 0470427E KIA 245310N 0464534E HODEIDA	UA417	PUTRA 165432N 0525631E LOTEL 180926N0514103E IMPOS 183136N 0511848E SILPA 184953N 0510158E ASTIN 200410N 0495320E NONGA 205048N 0492014E ALRIK 220631N 0482535E AMBAG 230529N 0474611E RESAL 240649N 0470427E KIA 245310N 0464534E HODEIDA
A418	KUMUN 254000N 0551515E PAPAR 2640N 05427E * Note 7 Segment KUMUN-PAPAR (OI and OM)	UA418	KUMUN 254000N 0551515E PAPAR 2640N 05427E * Note 7 Segment KUMUN-PAPAR (OI and OM)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

SHIRAZ (SYZ)

A419 (ASHGABAT)
RIKOP 3740.0N 05814.8E
SABZEVAR (SBZ)
TABAS (TBS)
DARBAND (DAR)
KERMAN (KER)
BANDAR ABBAS (BND)
DARAX 260942N 0555300E
SHARJAH
MIADA 245112N 0545736E
~~**MEMBI 243705N 0542631E**~~
 *See Note 4 for segment MEMBI
KITAP
ADV 2425.1N 05440.4E
MUSEN 2414.6N 05432.6E
GOLGU 231051N 0523109E
KITAP 224928N 0522923E
PURDA 210805N 0510329E
ASTIN 200410N 0495320E
KUTMA 182927N 0481202E
SHARURAH (SHA)
SANA'A
HODEIDA

A422 UROMIYEH (UMH)
SETNA 3756.3N 04555.4E
TABRIZ
PARSABAD (PAD)
PARSU 3937.8N 04804.8E
KARAD 4014.3N 04929.5E
(BAKU)

SHIRAZ (SYZ)

UA419 (ASHGABAT)
RIKOP 3740.0N 05814.8E
SABZEVAR (SBZ)
TABAS (TBS)
DARBAND (DAR)
KERMAN (KER)
BANDAR ABBAS (BND)
DARAX 260942N 0555300E
SHARJAH
MIADA 245112N 0545736E
~~**MEMBI 243705N 0542631E**~~
 *See Note 4 for segment MEMBI
KITAP
ADV 2425.1N 05440.4E
MUSEN 2414.6N 05432.6E
GOLGU 231051N 0523109E
KITAP 224928N 0522923E
PURDA 210805N 0510329E
ASTIN 200410N 0495320E
KUTMA 182927N 0481202E
SHARURAH (SHA)
SANA'A
HODEIDA

UA422 UROMIYEH (UMH)
SETNA 3756.3N 04555.4E
TABRIZ
PARSABAD (PAD)
PARSU 3937.8N 04804.8E
KARAD 4014.3N 04929.5E
(BAKU)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

A424 BAGHDAD
LOVEK 322208N 04440 01E
LOTAN 2959.7N 04338.8E
RAFHA * Note 3
HAIL
MADINAH (PMA)
ASTOL 2255.0N 03935.2E
KING ABDULAZIZ (JDW)

UA424 BAGHDAD
LOVEK 322208N 04440 01E
LOTAN 2959.7N 04338.8E
RAFHA * Note 3
HAIL
MADINAH (PMA)
ASTOL 2255.0N 03935.2E
KING ABDULAZIZ (JDW)

A451 BRN 3134.5N 02600.3)
KATAB 2925.0N 2905.1E
AST 2701.9N 03101.9E
LUXOR
ALEBA 2200.0N 03527.0E
PORT SUDAN
[ASMARA] * Note 1
ASSAB 1304.0 N 04238.8E
PARIM 1231.7N 04327.2E
ADEN (KRA)
ANGAL 1614.0N 06000.0E
(MUMBAI-BBB)

UA451 BRN 3134.5N 02600.3)
KATAB 2925.0N 2905.1E
AST 2701.9N 03101.9E
LUXOR
ALEBA 2200.0N 03527.0E
PORT SUDAN
[ASMARA] * Note 1
ASSAB 1304.0 N 04238.8E
PARIM 1231.7N 04327.2E
ADEN (KRA)
ANGAL 1614.0N 06000.0E
(MUMBAI-BBB)

A453 (RAMSO 3425.4N 05457.5
(MURAD 3431.0N 06909.0E)
(PATOX 3332.9N 06825.2E)
(PAROD 3129.0N 06554.0E)
(KABUL) (OA)
(GHAZNI)
KANDAHAR)
(GADER 2941.0N 06128.1E)
PIRAN 2934.1N 06128.1E
ZAHEDAN (ZDN)
BANDAR ABBAS (BND)
GHESHM (KHM)
BANDAR LENGEH
KISH
MIDSI 2641.7N05152.5E
TOBLI 262134N0512301E
OTATA 261843N0510052E
BAHRAIN * Note 7 (OB, OI)
PEBOS 262722N0503043E
RULEX 264529N0501745E
ALVUN 271028N0494455E

UA453 (RAMSO 3425.4N 05457.5
(MURAD 3431.0N 06909.0E)
(PATOX 3332.9N 06825.2E)
(PAROD 3129.0N 06554.0E)
(KABUL) (OA)
(GHAZNI)
KANDAHAR)
(GADER 2941.0N 06128.1E)
PIRAN 2934.1N 06128.1E
ZAHEDAN (ZDN)
BANDAR ABBAS (BND)
GHESHM (KHM)
BANDAR LENGEH
KISH
MIDSI 2641.7N05152.5E
TOBLI 262134N0512301E
OTATA 261843N0510052E
BAHRAIN * Note 7 (OB, OI)
PEBOS 262722N0503043E
RULEX 264529N0501745E
ALVUN 271028N0494455E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

SOLEM 275229N0491136E
KUMBO 281705N0495526E
AWADI 2834.5N 04843.9E
DEBTI 2844.1N 04829.4E
KUA 2913.1N 04759.1E

SOLEM 275229N0491136E
KUMBO 281705N0495526E
AWADI 2834.5N 04843.9E
DEBTI 2844.1N 04829.4E
KUA 2913.1N 04759.1E

A454 (KC) 2454.6N 06710.6E
BEGIM 2443.0N 06700.0E
* Note 7 (OO, OP)
MELOM 2505.0N 06632.0E
PUNEL 2520.0N 06523.0E
PARET 2527.2N 06451.5E
TAPDO 242400N 0612000E
VUSET 235540N 0590812E
PASOV 243841N 0565037E

UA454 (KC) 2454.6N 06710.6E
BEGIM 2443.0N 06700.0E
* Note 7 (OO, OP)
MELOM 2505.0N 06632.0E
PUNEL 2520.0N 06523.0E
PARET 2527.2N 06451.5E
TAPDO 242400N 0612000E
VUSET 235540N 0590812E
PASOV 243841N 0565037E

A466 ~~(TERMEZ)-(OA/OP)~~
AMDAR 3712.5N 06720.6E
KABUL 3431.1N 06909.1E
SANAM 3305.0N 07003.0E
SITAX 3305.0N 0007003.0E
~~(DERA ISMAIL KHAN)~~
~~(JHANG 3116.0N 07218.0E)~~
~~(SAMAR 3120.8N 07434.0E)~~
~~(ASARI 3048.3N 07509.6E)~~

UA466 ~~(TERMEZ)-(OA/OP)~~
AMDAR 3712.5N 06720.6E
KABUL 3431.1N 06909.1E
SANAM 3305.0N 07003.0E
SITAX 3305.0N 0007003.0E
~~(DERA ISMAIL KHAN)~~
~~(JHANG 3116.0N 07218.0E)~~
~~(SAMAR 3120.8N 07434.0E)~~
~~(ASARI 3048.3N 07509.6E)~~

A727 (PAXIS 3357.1N 02720.0E
OTIKO 3134.3N 02936.6E
ALEXANDRIA (AXD)
MENKU 3105.5N 03018.1E
CAIRO (CVO)
LUXOR (LXR)
ABU SIMBLE (SML)
NUBAR 220000N 03118.1E
MEROWE (MRW)
KHARTOUM (KTM)
KENANA (KNA)
LODWAR (LOV)
NAKURU (NAK)
NAIROBI (NV)
KILIMANJARO (KV)

UA727 (PAXIS 3357.1N 02720.0E
OTIKO 3134.3N 02936.6E
ALEXANDRIA (AXD)
MENKU 3105.5N 03018.1E
CAIRO (CVO)
LUXOR (LXR)
ABU SIMBLE (SML)
NUBAR 220000N 03118.1E
MEROWE (MRW)
KHARTOUM (KTM)
KENANA (KNA)
LODWAR (LOV)
NAKURU (NAK)
NAIROBI (NV)
KILIMANJARO (KV)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

A777 **TONVO 250500N 0563200E**
BUBAS 245938N 05700 03E
NADSO 244957N 0574926E
MUNGA 242516N 0584533E
MIXOL 240618N 0592739E
VAXIM 231900N 0611100E

A788 **HALAIFAH**
HAIL
HAFR AL BATIN (HFR)
***Note 7**
WAFRA 2837. 3N 04757. 5E
PATIR 285606N 0492923E
~~**KAPIP 290217N 0500054E**~~
BUSHEHR
KHARK (KHG)
~~**VATOB 2851.4N 05116.6E**~~
SHIRAZ

A791 ~~**MENLI 2947.0N 03152.1E**~~
~~**SISIK 2936.0N 03241.E**~~
~~**NUWEIBAA**~~
~~**KITOT 2902.1N 03450.8E**~~
~~***Note 7 (OE)**~~
~~**SOBAS 2756.0N 03904.9E**~~
~~**HAIL**~~
~~**BPN 2703.2N 04526.7E**~~
~~**KING FAHD**~~
~~**BAHRAIN *Note 7 Bahrain-**~~
~~**LOTIT 264856N0511237E**~~
~~**RATUN 2646.2N 05108.0E**~~
~~**NADAM 255854N 0533933E**~~
~~**SHARJAH (SHJ) 2519.7N**~~
~~**05531.3E**~~
~~**IMLOT 2517.1N 05708.1E**~~
~~**KANAS 2515.9N 05747.0E**~~

UA775 **REXOD 211230N 0613830E**
TUMET 222307N 0595702E
IMDEK 224647N 0592217E
OBTIN 230216N 0585920E
KUSRA 231726N 0585102E

UA788 **HALAIFAH**
HAIL
HAFR AL BATIN (HFR)
***Note 7**
WAFRA 2837. 3N 04757. 5E
PATIR 285606N 0492923E
~~**KAPIP 290217N 0500054E**~~
BUSHEHR
KHARK (KHG)
~~**VATOB 2851.4N 05116.6E**~~
SHIRAZ

UA791 ~~**MENLI 2947.0N 03152.1E**~~
~~**SISIK 2936.0N 03241.E**~~
~~**NUWEIBAA**~~
~~**KITOT 2902.1N 03450.8E**~~
~~***Note 7 (OE)**~~
~~**SOBAS 2756.0N 03904.9E**~~
~~**HAIL**~~
~~**BPN 2703.2N 04526.7E**~~
~~**KING FAHD**~~
~~**BAHRAIN *Note 7 Bahrain-**~~
~~**LOTIT 264856N0511237E**~~
~~**RATUN 2646.2N 05108.0E**~~
~~**NADAM 255854N 0533933E**~~
~~**SHARJAH (SHJ) 2519.7N**~~
~~**05531.3E**~~
~~**IMLOT 2517.1N 05708.1E**~~
~~**KANAS 2515.9N 05747.0E**~~

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

DIVAB 2510.7N 05952.1E
EGPIC 2508.6N 06029.5E
(JIWANI)
LATEM 2431.7N 06449.7E

DIVAB 2510.7N 05952.1E
EGPIC 2508.6N 06029.5E
(JIWANI)
LATEM 2431.7N 06449.7E

B12 **TANSA 340000N 0264900E**
SOKAL 323601N 0273706E
EL DABA (DBA) 310041N
0282801E
KATAB 292501N 0290506E
BOPOS 264318N 0300722E
DEPNO 262438N 0301413E
EL KHARGA (KHG) 252654N
0303527E
ABU SIMBEL (SML) 222118N
0313719E

UB12 **TANSA 340000N 0264900E**
SOKAL 323601N 0273706E
EL DABA (DBA) 310041N
0282801E
KATAB 292501N 0290506E
BOPOS 264318N 0300722E
DEPNO 262438N 0301413E
EL KHARGA (KHG) 252654N
0303527E
ABU SIMBEL (SML) 222118N
0313719E

B121 **RUDESHUR (RUS)**
RASHT (RST)
MAGRI 385408N 0462300E

UB121 **RUDESHUR (RUS)**
RASHT (RST)
MAGRI 385408N 0462300E

B400 **SEEB MUSCAT (MCT)**
ITURA 232351N 0580720E
IZKI (IZK)
HAIMA (HAI)
ASTUN 180832N0551040E
DAXAM 171612N 0544715E
BOSKI 1607.3N 5416.8E
ALULA 1207.3N 05102.7E
MUTVA 165325N 0543201E
IMKAD 155245N 0535147E
NODMA 152603N 0533358E
RIGAM 143932N 0530414E
RAPDO 132317N 0521532E
VEDET 120134N 0512410E
(MOGADISHU)

UB400 **SEEB MUSCAT (MCT)**
ITURA 232351N 0580720E
IZKI (IZK)
HAIMA (HAI)
ASTUN 180832N0551040E
DAXAM 171612N 0544715E
BOSKI 1607.3N 5416.8E
ALULA 1207.3N 05102.7E
MUTVA 165325N 0543201E
IMKAD 155245N 0535147E
NODMA 152603N 0533358E
RIGAM 143932N 0530414E
RAPDO 132317N 0521532E
VEDET 120134N 0512410E
(MOGADISHU)

B401 **ARAR (AAR)**
BASRAH (BSR) * Note 3

UB401 **ARAR (AAR)**
BASRAH (BSR) * Note 3

B402 **ELEXI 3441.5N 04109.0E**

UB402 **ELEXI 3441.5N 04109.0E**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

~~DIER ZZOR~~
~~ALEPPO~~
~~NISAP 364724N 0363830E~~

UM861 ~~DIER ZZOR~~
~~ALEPPO~~
~~NISAP 364724N 0363830E~~

UB403 ~~MANDERA~~
~~ATUKO 081811N 046040E~~
~~UBTEN 120814N 0495611E~~
~~ODAKA 144036N 0523400E~~
~~BOMIX 121002N 0502757E~~
~~ODBEN 123747N 0505648E~~
~~KAVAN 133250N 0515431E~~
~~RIGAM 143932N 0530414E~~

B404 ~~HARGA (HARGEISA)~~
~~IMRUB 120200N 0481500E~~
~~ODAKA 144036N 0523400E~~
~~DEMGO 120258N 0483040E~~
~~PURKA 131208N 0503042E~~
~~GESIX 134440N 0512823E~~
~~RIGAM 143932N 0530414E~~

UB404 ~~HARGA (HARGEISA)~~
~~IMRUB 120200N 0481500E~~
~~ODAKA 144036N 0523400E~~
~~DEMGO 120258N 0483040E~~
~~PURKA 131208N 0503042E~~
~~GESIX 134440N 0512823E~~
~~RIGAM 143932N 0530414E~~

B406 ~~BEN GURION (BGN)~~
~~*Note Route established as~~
~~B/UB17~~
~~(LARNACA)~~

UB406 ~~BEN GURION (BGN)~~
~~(LARNACA)~~

B407 ~~KING ABDULAZIZ (JDW)~~
~~KAROX 205717N 0381547E~~
~~MAHDI 2026.0N 03739.3E~~
~~(PORT SUDAN) PSD~~

UB407 ~~KING ABDULAZIZ (JDW)~~
~~KAROX 205717N 0381547E~~
~~MAHDI 2026.0N 03739.3E~~
~~(PORT SUDAN) PSD~~

B410 ~~(MUT)~~
~~CHEKA (CAK)~~
~~*Note 3 (OS)~~
~~DAMASCUS (DAM)~~

UB410 ~~(MUT)~~
~~CHEKA (CAK)~~
~~*Note 3 (OS)~~
~~DAMASCUS (DAM)~~

B411 ~~METSA 2930.0N 03500.0E~~
~~AL SHIGAR (ASH)~~
~~* Notes2 and 3~~
~~ARAR (AAR)~~
~~LOVEK 3222.1N 04440.0E~~
~~NOLDO 3249.5N 04521.5E~~
~~PAXAT 332056N 0460519E~~

UB411 ~~METSA 2930.0N 03500.0E~~
~~AL SHIGAR (ASH)~~
~~* Notes2 and 3~~
~~ARAR (AAR)~~
~~LOVEK 3222.1N 04440.0E~~
~~NOLDO 3249.5N 04521.5E~~
~~PAXAT332056N 0460519E~~

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

ILAM (ILM)
KERMANSHAH(KMS)
~~MALAYER (MAL)~~
 SAVEH (SAV)
 [TEHRAN] (TRN) * Note 1
 DEHNAMAK (DHN)
SABZEVAR (SBZ)
 MASHHAD (MSD)

ILAM (ILM)
KERMANSHAH(KMS)
~~MALAYER (MAL)~~
 SAVEH (SAV)
 [TEHRAN] (TRN) * Note 1
 DEHNAMAK (DHN)
SABZEVAR (SBZ)
 MASHHAD (MSD)

B412 DAMASCUS (DAM)
 [AMMAN] * Note 2 4(OS, OJ)
 AL SHIGAR (ASH)
 HALAIFA (HLF)
RABIGH (RBG)
 [KING ABDULAZIZ] (JDW)

UB412 DAMASCUS
 [AMMAN] * Note 2 4(OS, OJ)
 AL SHIGAR (ASH)
 HALAIFA (HLF)
RABIGH (RBG)
 [KING ABDULAZIZ] (JDW)

B413 ~~(PORT SUDAN) PSD~~
LADEN 1853.7N 03805.1E
 DANAK 1608.0N 04129.0E
 HODEIDAH
 TAIZ
 ADEN
 ZIZAN 1151.6N 04539.2E
AVIMO 0332.9N 05052.6E
~~(GAGDO 0725.0N 04827.0E)~~
~~(PRASLIN)~~

UB413 ~~(PORT SUDAN) PSD~~
LADEN 1853.7N 03805.1E
 DANAK 1608.0N 04129.0E
 HODEIDAH
 TAIZ
 ADEN
 ZIZAN 1151.6N 04539.2E
AVIMO 0332.9N 05052.6E
~~(GAGDO 0725.0N 04827.0E)~~
~~(PRASLIN)~~

B415 DOHA (DOH)
AFNAN 2508.9N 05155.9E
BUNDU 2500.4N 05229.4E
GADVO 2441.4N 05343.0E
KUNGU 2437.9N 05356.4E
 ABU DHABI AUH
ADV 2425.1N 05440.4E

UB415 DOHA (DOH)
AFNAN 2508.9N 05155.9E
BUNDU 2500.4N 05229.4E
GADVO 2441.4N 05343.0E
KUNGU 2437.9N 05356.4E
 ABU DHABI AUH
ADV 2425.1N 05440.4E

B416 KUWAIT (KUA)
TESSO 282852N0492723E
GEVAL 283625N0492722E
KUVER 280924N0500600E
 IMDAT 2741.0N 05111.0E

UB416 KUWAIT (KUA)
TESSO 282852N0492723E
GEVAL 283625N0492722E
KUVER 280924N0500600E
 IMDAT 2741.0N 05111.0E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

ORSAR 2604.5N 05357.5E
PEBAT 2551.9N 05423.9E
DESDI 2536.0N 05442.5E
SHARJAH

ORSAR 2604.5N 05357.5E
PEBAT 2551.9N 05423.9E
DESDI 2536.0N 05442.5E
SHARJAH

B417 MAHSHHR (MAH)
TULAX 2938 53N 04903 01E
DESLU 2928.0N 04901.8E
ALVIX 2919.3N04824.2E
KUWAIT (KUA) *See Note 3
HAFR AL BATIN (HFR)
KMC
GASSIM (GAS)
BIR-DARB (BDB)
TANGA 231652N 0403851E
KING ABDULAZIZ (JDW)

UB417 MAHSHHR (MAH)
TULAX 2938 53N 04903 01E
DESLU 2928.0N 04901.8E
ALVIX 2919.3N04824.2E
KUWAIT (KUA) *See Note 3
HAFR AL BATIN (HFR)
KMC
GASSIM (GAS)
BIR-DARB (BDB)
TANGA 231652N 0403851E
KING ABDULAZIZ (JDW)

B418 SEMRU 280200N 0320306E
HURGHADA (HGD)
SILKA 263400N 0352900E
WEJH (WEJ)
KODIN 2517.9N 03836.2E
MADINAH(PMA)
BIR DARB (BDB)
AL DAWADMI (DAW)
KING KHALID (KIA)
ALMAL 2615.9N 04821.1E
KING FAHD (KFA)
PIMAL 2626.5N 05122.1E
LOTIT 264856N0511237E
MIDSI 264142N0515442E

UB418 SEMRU 280200N 0320306E
HURGHADA (HGD)
SILKA 263400N 0352900E
WEJH (WEJ)
KODIN 2517.9N 03836.2E
MADINAH(PMA)
BIR DARB (BDB)
AL DAWADMI (DAW)
KING KHALID (KIA)
ALMAL 2615.9N 04821.1E
KING FAHD (KFA)
PIMAL 2626.5N 05122.1E
LOTIT 264856N0511237E
MIDSI 264142N0515442E

B419 {DOHA}
{KING FAHD} * Note3 (OB, OT)
ALVON 2700.2N 05007.2E
SELEG 2801.5N 04922.2E
KUWAIT
KING FAHD (KFA)
RAMSI 270249N 0500714E

UB419 {{DOHA}}
{KING FAHD} * Note3 (OB, OT)
ALVON 2700.2N 05007.2E
SELEG 2801.5N 04922.2E
KUWAIT
KING FAHD (KFA)
RAMSI 270249N0500714E

B424 SANA' A 153000N 0441310.6E
ITOLI 152825N 0450927E
SABEL 185200N 05203.7E

UB424 SANA' A 153000N 0441310.6E
ITOLI 152825N 0450927E
SABEL 185200N 05203.7E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

	OTISA 201000N 0554556E GISKA 213503N 0574014E		OTISA 201000N 0554556E GISKA 213503N 0574014E
B441	MASHHAD (MSD) OTRUZ 363108N 0610956E ASHGABAT	UB441	MASHHAD (MSD) OTRUZ 363108N 0610956E ASHGABAT
B451	DEHNAMAK (DHN) BOJNORD (BRD) DOLOS 375006N 0580200E (ASHGABAT) (ASB)	UB451	DEHNAMAK (DHN) BOJNORD (BRD) DOLOS 375006N 0580200E (ASHGABAT) (ASB)
B457	BAHRAIN (BAH) ELOSA 2548.8N 05142.6E	UB457	BAHRAIN (BAH) ELOSA 2548.8N 05142.6E
B457 N318	LOXAT 252140N 0524523E * Note7 (segment ELOSA- LOXAT REXOD GITEX 252609N 0523832E ABU DHABI (ADV) LABRI 240344N 0553842E * Note 7/8 (OO) EGROK 235253N 0560126E LAKLU 232235N 0570401E GEVED 230105N 0575111E LOTUD 223720N 0583503E TOLDA 223720N 0583503E REXOD211230N 0613830E	UB457 UN318	LOXAT 2521.7N 05245.4E * Note7 (segment ELOSA- REXOD) GITEX 252609N 0523832E ABU DHABI (ADV) LABRI 240344N 0553842E * Note 7/8 (OO) EGROK 235253N 0560126E LAKLU 232235N 0570401E GEVED 230105N 0575111E LOTUD 223720N 0583503E TOLDA 223720N 0583503E REXOD211230N 0613830E
B466	NAWABSHAH 2613.1N 06823.1E KANDAHAR 312900N 0655400E CHARN 351000N 0610800E (OA/OP)		
B505	LALDO 251806N 0563600E * Note 7/8 (OO) NADSO 244957N 0574926E ITLOB 244325N 0590701E EGTAL 2434 58N 06037 24E		
B524	NADSO 244957N 0574926E		

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

*** Note 7**

DAMUM 243236N 0591307E
VEKAN 241235N 0604454E
ALPOR 2404 42N 06120E

B526 (ASMARA) ASM
HODEIDAH (HDH)
MUKALLA RIYAN (RIN)
RIGAM 143932N 0530414E

UB526 (ASMARA) ASM
HODEIDAH (HDH)
MUKALLA RIYAN (RIN)
RIGAM 143932N 0530414E

B535 (DJIBOUTI) DTI
ADEN (KRA)
MUKALLA RIYAN (RIN)
KAPET 1633 22N 0530614E
SALALAH (SLL)
ASTUN 180832N0551040E
MARMUL(MRL)

UB535 (DJIBOUTI) DTI
ADEN (KRA)
MUKALLA RIYAN (RIN)
KAPET 1633 22N 0530614E
SALALAH (SLL)
ASTUN 180832N0551040E
MARMUL(MRL)

B538 (GAZIANTEP)
ALEPPO
KARIATAIN
DAMASCUS * Note 2(OS)

UB538 (GAZIANTEP)
ALEPPO
KARIATAIN
DAMASCUS * Note 2(OS)

B540 ~~TOTOX 215030N 0622230E~~
~~ITUDO 2347N 0580113E~~
GERAR 240600N 0573616
PASOV 243841N 0565037E
KUPMA 245148N 0562648E
BUBIN 245742N 0560642E

B544 (GAZIANTEP) GAZ
ALEPPO (ALE)
TANF (TAN)
TURAI (TRF)
AL SHIGAR (ASH)
HALAIFA (HLF)
MADINAH (PMA)
RABIGH (RBG)
KING ABDULAZIZ (JDW)
QUNFIDAH (QUN)
ABHA (ABH)
NOBSU
SANA'A

UB544 (GAZIANTEP) GAZ
ALEPPO (ALE)
TANF (TAN)
TURAI (TRF)
AL SHIGAR (ASH)
HALAIFA (HLF)
MADINAH (PMA)
RABIGH (RBG)
KING ABDULAZIZ (JDW)
QUNFIDAH (QUN)
ABHA (ABH)
NOBSU
SANA'A

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

KRA

B545 ~~(MUT)~~
BALMA 3428.9N 035 3.0E
KHALDEH
AMMAN * Note 3&4 (OJ)

B549 **THAMUD 171700N 0495500E**
ITELI 171310N 0502605E
GOGRI 170752N 0510857E
TONRO 165850N 0522235E
PUTRA 165432N 0525631E
LADAR 165324N 0534655E
MUTVA 165325N 0543201E
KIVEL 165306N 0553633E

G183 **(KAROL 3252.0N 03229.0E)**
PASOS
EL ARISH (ARH)
TABA (TBA)
NUWEIBAA (NWB)

G202 **(VELOX 3349.0N 03405.0E)**
SILKO 3347.9N 03435.0E
KHALDEH (KAD)* Note 4 (OS)
DAKWE 3338.9N 03555.0E
DAMASCUS (DAM)
TANF (TAN)
MODIK 3328.1N 03901.0E
RAPLU 3323.0N 04145.5E
PUSTO 3321.0N 04245.0E
DELMI 331918.31N 0431327.59E
LAGLO 331538N 0441457E
BGD
ITOVA 331950.91N 0444128.97E
PARUN 3324.2N 04502.0E
RAGET 3330.8N 04553.8E
ILAM (ILM)
KHORAM ABAD (KRD)
ESFAHAN (ISN)
NODLA

KRA

UB545 ~~(MUT)~~
BALMA 3428.9N 035 3.0E
KHALDEH
AMMAN * Note 3&4 (OJ)

UB549 **THAMUD 171700N 0495500E**
ITELI 171310N 0502605E
GOGRI 170752N 0510857E
TONRO 165850N 0522235E
PUTRA 165432N 0525631E
LADAR 165324N 0534655E
MUTVA 165325N 0543201E
KIVEL 165306N 0553633E

UG202 **(VELOX 3349.0N 03405.0E)**
SILKO 3347.9N 03435.0E
KHALDEH (KAD)* Note 4 (OS)
DAKWE 3338.9N 03555.0E
DAMASCUS (DAM)
TANF (TAN)
MODIK 3328.1N 03901.0E
RAPLU 3323.0N 04145.5E
PUSTO 3321.0N 04245.0E
DELMI 331918.31N 0431327.59E
LAGLO 331538N 0441457E
BGD
ITOVA 331950.91N 0444128.97E
PARUN 3324.2N 04502.0E
RAGET 3330.8N 04553.8E
ILAM (ILM)
KHORAM ABAD (KRD)
ESFAHAN (ISN)
NODLA

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

BIRJAND (BJD)
(KAMAR 3239.0N 06044.0E)
(DILAM 3210.5N 06324.0E)
(PAROD 3129.0N 06554.0E)
DILARAM
KANDAHAR
(ZHOB-ZB)
(RAHIM YAR KHAN-RK)
(TIGER 2828.8N 07214.9E)

BIRJAND (BJD)
(KAMAR 3239.0N 06044.0E)
(DILAM 3210.5N 06324.0E)
(PAROD 3129.0N 06554.0E)
DILARAM(OA/OP)
KANDAHAR
(ZHOB-ZB)
(RAHIM YAR KHAN-RK)
(TIGER 2828.8N 07214.9E)

G206 **DILAM 3210.5N 06324.0E**
DILARAM
MURAD 3431.0N 006909.0E
KABUL
SABAR 3537.0N 07131.0E
(PURPA 3656.5N 07524.5E)
*** Note 3**

UG206 **DILAM 3210.5N 06324.0E**
DILARAM(OA/OP)
MURAD 3431.0N 006909.0E
KABUL
SABAR 3537.0N 07131.0E
(PURPA 3656.5N 07524.5E)
*** Note 3**

G208 **(PANJGUR) PG**
KEBUD 273558N 0625028E
ZAHEDAN (ZDN)
DARBAND (DAR)
NODLA 325330N 0545850E
ANARAK (ANK)
TEHRAN (TRN)
ZANJAN (ZAJ)
UROMIYEH (UMH)
ALRAM 3743.0N 04437.0E
(SIIRT)

UG208 **(PANJGUR) PG**
KEBUD 2735.9N 06250.4E
ZAHEDAN (ZDN)
DARBAND (DAR)
NODLA 325330N 0545850E
ANARAK (ANK)
TEHRAN (TRN)
ZANJAN (ZAJ)
UROMIYEH (UMH)
ALRAM 3743.0N 04437.0E
(SIIRT)

G216 **LAKLU 232235N 0570401E**
***Note 7**
SEEB Muscat (MCT)
ITILA 234055N 0584817E
SODEB 234747N 0593023E
DORAB 235033N 0594746E
ALPOR 240441N 0612000E
LATEM
(KC)

UG216 **LAKLU 232235N 0570401E**
***Note 7**
SEEB Muscat (MCT)
ITILA 234055N 0584817E
SODEB 234747N 0593023E
DORAB 235033N 0594746E
ALPOR 240441N 0612000E
LATEM
(KC)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

G400 **KUMBI 334250N 0284500E**
LABNA 321956N 0301612E
BALTIM (BLT) 313144N
0310721E

G452 **SHIRAZ (SYZ)**
KERMAN (KER)
ZAHEDAN (ZDN)
DERBO 2925.7N 06117.0E
(RAHIMYAR KHAN) RK

G462 **BAHRAIN (BAH)**
PIMAL 2626.5N 05122.1E
*** Note 7 between ROVOS and**
BALUS AUH and URITO
URITO 2616.1N 05148.8 E
BALUS 2545.9N 05304.4E
ABU DHABI
ROVOS 241825N 0552143E

G650 **KING ABDULAZIZ (JDW)**
RASKA 190732N 8.0 0390329E
(ASMARA)

G652 **ADEN (KRA)**
IMPOS 183136N 0511848E
DUDRI 190000N 0520000E
TOKRA 220925N 0553350E
TAPDO 2424N 06120 E

G660 **(PORT SUDAN) PSD**
BOGUM 2006.6N 03803.0E
MIPOL 203322N 0382145E
KING ABDULAZIZ (JDW)
ABU DHABI * Note3 (OE, OM)

G662 **[DAMASCUS] (DAM)**
[GURIAT]
*** Notes 1 and 3 (OS, OJ)**
AL SHIGAR (ASH)
HAIL (HIL)

UG452 **SHIRAZ (SYZ)**
KERMAN (KER)
ZAHEDAN (ZDN)
DERBO 2925.7N 06117.0E
(RAHIMYAR KHAN) RK

UG462 **BAHRAIN (BAH)**
PIMAL 2626.5N 05122.1E
*** Note 7 between ROVOS and**
BALUS AUH and URITO
URITO 2616.1N 05148.8 E
BALUS 2545.9N 05304.4E
ABU DHABI
ROVOS 241825N 0552143E

UG650 **KING ABDULAZIZ (JDW)**
RASKA 190732N 8.0 0390329E
(ASMARA)

UG652 **ADEN (KRA)**
IMPOS 183136N 0511848E
DUDRI 190000N 0520000E
TOKRA 220925N 0553350E
TAPDO 2424N 06120 E

UG660 **(PORT SUDAN) (PSD)**
BOGUM 2006.6N 03803.0E
MIPOL 203322N 0382145E
KING ABDULAZIZ
ABU DHABI * Note3 (OE, OM)

UG662 **[DAMASCUS] (DAM)**
[GURIAT]
*** Notes 1 and 3 (OS, OJ)**
AL SHIGAR (ASH)
HAIL (HIL)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

**GASSIM (GAS)
KING KHALID (KIA)**

**GASSIM (GAS)
KING KHALID (KIA)**

**G663 KING KHALID (KIA)
SILNO 2640.4N 04757.7E
KING FAHD (KFA)
ALSER 2710.8 05049.5E
SHIRAZ (SYZ)
YAZD (YZD)
NODLA 3253.3N 05458.8E
TABAS (TBS)
MASHAD (MSD)**

**UG663 KING KHALID (KIA)
SILNO 2640.4N 04757.7E
KING FAHD (KFA)
ALSER 2710.8 05049.5E
SHIRAZ (SYZ)
YAZD (YZD)
NODLA 3253.3N 05458.8E
TABAS (TBS)
MASHAD (MSD)**

**G664 APLON 3352.0N 03204.0E
BEN-GURION
AMMAN**

**UG664 APLON 3352.0N 03204.0E
BEN-GURION
AMMAN**

**G665 ARAR (AAR)
ABADAN (ABD)
SHIRAZ (SYZ) * Note 5 (OI)
NABOD 2816.1N 05825.8E
LOXOL 2745.9N 06045.6E
ASVIB 265724N 0631812E
EGSAL 2716.8N 06249.0E
(PANJGUR) PG**

**UG665 ARAR (AAR)
ABADAN (ABD)
SHIRAZ (SYZ) * Note 5 (OI)
NABOD 2816.1N 05825.8E
LOXOL 2745.9N 06045.6E
ASVIB 265724N 0631812E
EGSAL 2716.8N 06249.0E
(PANJGUR) PG**

**G666 SHIRAZ * Note 7 (OI/OM)
LAMERD (LAM)
LAVAN (LVA) * Note 7 (OI)
ORSAR 2604 .5N 05357.5E
ITITA 254410N 0541839E
SINBI 250842N 0543741E
DESDI 2536.1N 05442.5E
MIADA 245112N 0545736E
ABU DHABI (AUH) (ADV)**

**UG666 SHIRAZ * Note 7 (OI/OM)
LAMERD (LAM)
LAVAN (LVA) * Note 7 (OI)
ORSAR 2604.5N 05357.5E
ITITA 254410N 0541839E
SINBI 250842N 0543741E
DESDI 2536.1N 05442.5E
MIADA 245112N 0545736E
ABU DHABI (AUH) (ADV)**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

G667 **PUTMA 3748.0N 05157.6E**
NOSHAHR (NSR)
TEHRAN (TRN)
SAVEH (SAV)
MIS
AHWAZ (AWZ)
ABADAN (ABD)
ALSAN 295707N 0481456E
FALKA
KUWAIT (KUA)
WAFRA (KFR)
MAGALA (MGA)
KING KHALID (KIA)
WADI AL DAWASIR (WDR)
NEJRAN (NEJ)
SANA'A (SAA)
PARIM 123142.7N 0432712E
(DJIBOUTI) DTI

G668 **ZHOB**
HAZNI
RAPTA 3727.0N 06538.0E

G669 **KARIATAIN *Note 1,2&3 (OJ)**
TONTU 3148.1N 03811.2E
AL SHIGAR (ASH)
AL JOU (AJF)
RAFHA (RAF)
NISER 2930.5N 04418.4E
***Note 3 (OK)**
SOLAT 290942N 0463810E
KUWAIT (KUA)
SESRA 290803N 0485453E
NANPI 290457N 0493157E
KHARK(KHG)
BUSHEHR (BUZ)
VATOB 2851.4N 05116.6E
SHIRAZ (SYZ)

G670 **RASHT (RST)**
LALDA 3817.1N 04943.0E

UG667 **PUTMA 3748.0N 05157.6E**
NOSHAHR (NSR)
TEHRAN (TRN)
SAVEH (SAV)
MIS
AHWAZ (AWZ)
ABADAN (ABD)
ALSAN 295707N 0481456E
FALKA
KUWAIT (KUA)
WAFRA (KFR)
MAGALA (MGA)
KING KHALID (KIA)
WADI AL DAWASIR (WDR)
NEJRAN (NEJ)
SANA'A (SAA)
PARIM 123142.7N 0432712E
(DJIBOUTI) DTI

UG668 **ZHOB (OP/OA)**
HAZNI
RAPTA 3727.0N 06538.0E

UG669 **KARIATAIN *Note 1,2&3 (OJ)**
TONTU 3148.1N 03811.2E
AL SHIGAR (ASH)
AL JOU (AJF)
RAFHA (RAF)
NISER 2930.5N 04418.4E
***Note 3 (OK)**
SOLAT 290942N 0463810E
KUWAIT (KUA)
SESRA 290803N 0485453E
NANPI 290457N 0493157E
KHARK(KHG)
BUSHEHR (BUZ)
VATOB 2851.4N 05116.6E
SHIRAZ (SYZ)

UG670 **RASHT (RST)**
LALDA 3817.1N 04943.0E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

(BAKU) GYD

G671	TANF (TAN) HAWIJA MOSUL UROMIYEH (UMH) * Notes 2 and 3
G674	MADINAH (PMA) GASSIM (GAS) 2617.9N 04346.8E BOPAN (BPN)
G775	(ASHGHABAT) (ASB) ORPAB 3742N 05834.5E MASHHAD (MSD) [BIRJAND] (BJD) * Note 1 ZAHEDAN (ZDN)
G781	(VAN) BONAM 3802.9N 04418.0E UROMIYEH (UMH) ROVON 3716 01N 0455322E ZANJAN (ZAJ) NOSHAHR(NSR)
G782	KING ABDULAZIZ (JDW) DAFINAH (DFN) RAGA\HBA (RGB) KING KHALID (KIA) MAGALA (MGA) WAFRA (KFR) 283715N 0475729E KUWAIT (KUA)
G783	PURDA 210805N 0510329E TANSU 224136N 0542828E NIGEL230146N 0551430E ELUDA 235107N 0552905E ALN 241535N 0553623E GIDIS 243600N 055600E BUBIN 245742N 0560642E

(BAKU) GYD

UG671	TANF (TAN) HAWIJA MOSUL UROMIYEH (UMH) * Notes 2 and 3
UG674	MADINAH (PMA) GASSIM (GAS) 2617.9N 04346.8E BOPAN (BPN)
UG775	(ASHGHABAT) (ASB) ORPAB 3742N 05834.5E MASHHAD (MSD) [BIRJAND] (BJD) * Note 1 ZAHEDAN (ZDN)
UG781	(VAN) BONAM 3802.9N 04418.0E UROMIYEH ROVON 3716 01N 0455322E ZANJAN NOSHAHR(NSR)
UG782	KING ABDULAZIZ (JDW) DAFINAH (DFN) RAGA\HBA (RGB) KING KHALID (KIA) MAGALA (MGA) WAFRA (KFR) 283715N 0475729E KUWAIT (KUA)
UG783	PURDA 210805N 0510329E TANSU 224136N 0542828E NIGEL230146N 0551430E ELUDA 235107N 0552905E ALN 241535N 0553623E GIDIS 243600N 055600E BUBIN 245742N 0560642E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

~~G787E~~ ~~LAKLU 232235N 0570401E~~
~~G216~~ ~~*Note 7~~

~~SEEB(MCT)~~
~~DORAB 235033N 0594746E~~
~~ALPOR 240441N 0612000E~~
~~LATEM~~
~~(KC)~~

~~G787~~ ~~KC)~~
~~W~~ ~~PARET~~
~~A454~~ ~~TAPDO 242400N 0612000E~~
~~VUSET 235540N 0590812E~~
~~PASOV 243841N 0565037E~~

~~G792~~ ~~(TURKMENBASHI) KRS~~
~~BODKA 3939.0N 05130.0E~~
~~GIRUN 3806.2N 05620.3E~~
~~BOJNORD (BRD)~~
~~MASHAD (MSD)~~
~~CHARN 3510.0N 06108.0E~~
~~GEROR 3412.6N 06213.3E~~
~~PAROD 3129.0N 06554.0E~~
~~HERAT (OA/OP)~~
~~KANDAHAR~~
~~ASLUM 3101N 06637E~~
~~(RAHIM YAR KHAN) RK~~

~~G795~~ ~~FALKA 2926.2N 04818.3E~~
~~TASMI 300120N 0475505E~~
~~BSR 303132.4N 0472112E~~
~~RAFHA (RAF)~~

~~G796~~ ~~KABUL (OA/OP)~~
~~JALALABAD~~
~~LAJAK 335600N 0703000E~~
~~HANGU 332906N 0710018E~~

~~G799~~ ~~PMA~~
~~DAFINAH (DFN)~~

~~UG787E~~ ~~LAKLU 232235N 0570401E~~
~~UG216~~ ~~*Note 7~~

~~SEEB(MCT)~~
~~DORAB 235033N 0594746E~~
~~ALPOR 240441N 0612000E~~
~~LATEM~~
~~(KC)~~

~~G787W~~ ~~KC)~~
~~UA454~~ ~~PARET~~
~~TAPDO 242400N 0612000E~~
~~VUSET 235540N 0590812E~~
~~PASOV 243841N 0565037E~~

~~UG792~~ ~~(TURKMENBASHI) KRS~~
~~BODKA 3939.0N 05130.0E~~
~~GIRUN 3806.2N 05620.3E~~
~~BOJNORD (BRD)~~
~~MASHAD (MSD)~~
~~CHARN 3510.0N 06108.0E~~
~~GEROR 3412.6N 06213.3E~~
~~PAROD 3129.0N 06554.0E~~
~~HERAT (OA/OP)~~
~~KANDAHAR~~
~~ASLUM 3101N 06637E~~
~~(RAHIM YAR KHAN) RK~~

~~UG795~~ ~~FALKA 2926.2N 04818.3E~~
~~TASMI 300120N 0475505E~~
~~BSR 303132.4N 0472112E~~
~~RAFHA~~

~~UG796~~ ~~KABUL (OA/OP)~~
~~JALALABAD~~
~~LAJAK 335600N 0703000E~~
~~HANGU 332906N 0710018E~~

~~UG799~~ ~~PMA~~
~~DAFINAH (DFN)~~

~~UL124~~ ~~(VAN)~~

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

BONAM
URUMIYEH (UMH)
ZANJAN (ZAJ)
SAVEH (SAV)
DISEL 332904N 0510118E
YAZD (YZD)
KERMAN (KER)
KEBUD 273558N 0625028E
(PANJGUR) PG

UL125 **DULAV 3857N 04537.9E**
TABRIZ (TBZ)
ZANJAN (ZAJ)
PAROT 360940N 0495756E
TEHRAN (TRN)
ANARAK (ANK)
DARBAND
ZAHEDAN
DANIB 290706N 0611717E
KEBUD 273558N 0625028E
(PANJGUR) PG

L126 **PUSTO 3321.0N 04245.0E**
SOGUM 3412.2N 04354.9E
SIGNI 3400.1N 04442.2E
MIGMI 3345.9N 04527.4E
ILAM (ILM)

UL126 **PUSTO 3321.0N 04245.0E**
SOGUM 3412.2N 04354.9E
SIGNI 3400.1N 04442.2E
MIGMI 3345.9N 04527.4E
ILAM

L200 **AMMAN *Notes 2 and 3 (OJ)**
AMRAH 3207.4N 03632.0E
PASIP 330 00N 0385512E
GIBUX 330714.80N 0411625.18E
SUTRI 330701.47N 0421128.15E
SILSO 330600N 0431500E
RAPLU 3323.0N 04145.5E

UL200 **AMMAN *Notes 2 and 3 (OJ)**
AMRAH 3207.4N 03632.0E
PASIP 330 00N 0385512E
GIBUX 330714.80N 0411625.18E
SUTRI 330701.47N 0421128.15E
SILSO 330600N 0431500E
RAPLU 3323.0N 04145.5E

L223 **SIRRI**
NALTA 250242N 0553955E
TARDI 243418N 0560915E
LAKLU 232235N 05704 01E

UL223 **UROMIYEH (UMH)**
SANANDAJ (SNJ)
KHORAM ABAD (KRD)
MESVI 312920N 0495701E
LAMERD (LAM)
SIRRI (SIR)
*** Note 7 (OI-OM-OO)**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

			NALTA 250242N 0553955E TARDI 243418N 0560915E LAKLU 232235N 05704 01E
L300	LUXOR (LXR) MEMPO 252518N 0335457E GIBAL2437.2N03634.7E YENBO (YEN) 2408.8N 03803.9E	UL300	LUXOR (LXR) GIBAL2437.2N03634.7E YENBO (YEN) 2408.8N 03803.9E DAFINAH 2317.0N 04143.2E
L301	RASKI 230330N 0635200E VAXIM 231900N 0611100E RAGMA 232301N 0603846E MIBSI 234139N 0575523E	UL301	AAU 5153N 07523 38.6E NOBAT 210902.5N 0880000.1E LADOT 220502N 0660001 RASKI 230330N 0635200E VAXIM 231900N 0611100E RAGMA 232301N 0603846E MIBSI 234139N 0575523E
L305	DOHA (DOH) ITITA 2544.2N 05418.7E		
L306	TOKRA 220925N 0553350E* * Note- 7 (OO) DEMKI 224941N 0562308E LAKLU 232235N 0570401E	UL306	TOKRA 220925N 0553350E * Note- 7 (OO) DEMKI 224941N 0562308E LAKLU 232235N 0570401E
		UL314	NABAN 163124N 0430148E GOMRI 131816N 0443224E
L315	CAIRO(CVO) * Note 3 (HE) HURGHADA (HGD) GIBAL 2437.2N 03634.7E	UL315	CAIRO (CVO) * Note 3 (HE) HURGHADA (HGD) GIBAL 2437.2N 03634.7E
L317	LOPAS 343003N 0433834E ALVIS 343004N 0435518E DASUR 343006N 0442417E DENKI 322228N 0455122E MUTLO 321019N 0445703E GETID 351551N 0425559E NADID 352611N E0460145E	UL317	LOPAS 343003N 0433834E ALVIS 343004N 0435518E DASUR 343006N 0442417E DENKI 322228N 0455122E MUTLO 321019N 0445703E GETID 351551N 0425559E NADID 352611N E0460145E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

L321 **KATAB 292501N 0290506E**
KUNKI 290726N 0291949E
KUNAK 2527.7N 03041.2E
LUGAV 224205N 0313722E
SML 222118N 0313719E

UL321 **KATAB 292501N 0290506E**
KUNKI 290726N 0291949E
KUNAK 2527.7N 03041.2E
LUGAV 224205N 0313722E
SML 222118N 0313719E

UL322 **MUMBAI (BBB) * Note 7&1**
SUGID 1933.1N 06921.0E
BOLIS 2033.5N 065 00.0E
REXOD 2112.5N 06138.5E

UL333 **DASIS**
TABRIZ (TBZ)
RASHT (RST)
GIBAB 3537.0N 05430.9E
ORSOK 362236N 0523020E
AMBEG 351737N 0553059E
TASLU 342632N 0574234E
SOKAM 331316N 0603752E
SERKA 2951.0N 06615.0E
(OA)

L417 **VUSEB 361636.94N 0434800E**
UMESA 351741.49N 0434306.89E
MUTAG 343003.45N 0433834 E
RAMPI 3516.7N 04356.3E
SOGUM 3412.2N 04354.9E
LAGLO 3515.6 04414.0E
BGD
ELOSI 330800N 0441800E
LOVEK 3222.1N 04440.0E
ELIBA 320914.92N 0444644.63E
NADOX 310504.73N 0451851.30E

UL417 **VUSEB 361636.94N 0434800E**
UMESA 351741.49N 0434306.89E
MUTAG 343003.45N 0433834 E
RAMPI 3516.7N 04356.3E
SOGUM 3412.2N 04354.9E
LAGLO 3515.6 04414.0E
BGD
ELOSI 330800N 0441800E
LOVEK 3222.1N 04440.0E
ELIBA 320914.92N 0444644.63E
NADOX 310504.73N 0451851.30E

UL425 **KING ABDULAZIZ (JDW)**
TONBO 205502N 0394911E
MALIK 2053.4N 03949.6E
AL BAHA
BISHA
WADI AL DAWASIR (WDR)
EGREN 202236N 0464422E
ASTIN 200410N 0495320E
DIRAS 195235N 0513704E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

GOBRO 193622N 0534741E
NOVNO 193313N 0535858E
ITUVO 190315N 0554328E
DEDSO 185811N 0560041E
BOVOS 182230N 0575844E
ASPUX 174406N 0600006E
(TRIVANDRUM)

L443 **EMILA 250445N 0521151E**
*** Note 7/8 (OB)**
AMBEK 250109N 0521809E
LAGVA 245009N 0521733E
LOPOK 243527N 0520413E
TAMRI 245430N 0522506E

UL443 **EMILA 250445N 0521151E**
*** Note 7/8 (OB)**
AMBEK 250109N 0521809E
LAGVA 245009N 0521733E
LOPOK 243527N 0520413E
TAMRI 245430N 0522506E

L513 **KALDE (KAD)**
CHEKA (CAK)
LEBOR 3415.9N 03635.0E
DAMASCUS (DAM)
*** Note 3 (OS)**
BUSRA 3220.0 N 03637.0 E
~~HAZEM 3214.0 N 03638.0 E~~
QUEEN ALIA (QAA)
QATRANEH (QTR)
MAZAR 3048.0N 03610.0E

UL513 **KALDE (KAD)**
CHEKA (CAK)
LEBOR 3415.9N 03635.0E
DAMASCUS (DAM)
*** Note 3 (OS)**
BUSRA 3220.0 N 03637.0 E
~~HAZEM 3214.0 N 03638.0 E~~
QUEEN ALIA (QAA)
QATRANEH (QTR)
MAZAR 3048.0N 03610.0E

UL516 **KITAL 2003.0N 06018.0E**
ELKEL 0149.0N 06911.0E
DIEGO GARCIA (NDG)

L519 **ABU DHABI (~~AUH~~) (ADV)**
***Note 7 (OM)**
NAMSI 2437.5N 05456.8E
EMERU 244829N 0550303
LUDER 2457.5N 05505.2E
MIADA 245112N 0545736E
~~KUMUN 254000N 0551512E~~

UL519 **ABU DHABI (~~AUH~~) (ADV)**
***Note 7 (OM)**
NAMSI 2437.5N 05456.8E
EMERU 244829N 0550303
LUDER 2457.5N 05505.2E
MIADA 245112N 0545736E
~~KUMUN 254000N 0551512E~~

UL550 **WAFRA (KFR) *Note7 (OE)**
NIDAP 283850N 0473656E
BOSID 2842.4N 04652.6E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

VATIM 2851.6N 04444.7E
 RASMO 2857.2N 04331.3E
 ORSAL2902.8N 04210.8E
 NIMAR 2906.6N 03954.4E
 KITOT 2902.1N 03450.8E
 *Note 7
 NUWEIBAA (NWB)
 TABA (TBA)
 EL ARISH (ARH)
 PASOS
 (KAROL 3252.0N 03229.0E)

L555 TOTOX 215030N 0622230E
 TUMET 222307N 0595702E
 TOLDA 224008N 0583624E
~~LOTUD 224008N 0583624E~~
~~TULBU 230005N 0571827E~~

UL555 TOTOX 215030N 0622230E
 TUMET 222307N 0595702E
 TOLDA 224008N 0583624E
~~LOTUD 224008N 0583624E~~
~~TULBU 230005N 0571827E~~

UL556 EGREN 202236N 0464422E
 NONGA 205048N 0492014E
 PURDA 210805N 0510329E
 Note:- 7 (OO, OB)
 IMDAM 202416N 0550801E
 OTISA 201000N 0554556E
 HAIMA (HAI) 195813N
 0561651E
 GIVNO 195011N 0563059E
 KUTVI 184306N 0582642E

UL560 ARDABIL (ARB) 3819.9N
 04824.9E
 * Note 3&4 (OI)
 SEVAN (SVN) 4032.0N 04456.9E

UL566 ~~PAKER 115500N 0463500E~~
~~KAPET 163322N 0530614E~~
 ASMAK 162327N 0524634E
 UKNEN 160542N 0522012E
 PURUG 151204N 0510142E
 KUSOL 144009N 0501534E
 NOTBO 142609N 0495530E
 EMABI 141627N 0494139E
 SOKEM 134235N 0485329E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

DATEG 123549N 0471627E

**UL572 KAMISHLY (KML)
LESRI 3704.3N 04113.8E**

**UL573 DAFINAH (DFN) 231658N
0414310E
PMA
WEJH (WEJ) 261045N 0362917E**

**UL601 BAGLUM (BAG) 04004.2
03248.6)
* Note 7
ADANA 3656.4N 03512.6E
TUNLA 3553.0N 0360200E)
KARIATAIN 3412.8N 03715.9E**

**UL602 BAHRAIN (BAH)
~~ALVON 270009N 0500711E~~
*Note 7
~~SELEG 280130N 0492212E~~
PEBOS 262722N0503043E
RULEX 264529N 0501745E
RAMSI 270249N 0500714E
IVONI 275911N 0492131E
DAVUS 282346N 0490622
~~RAPSI 282326N 0490551E~~
DARVA 284814N 0484734E
ALVIX 2919.3N04824.2E
FALKA 292611N 0481819E
TASMI 300120N 0475505E
~~BASRAH (BSR)~~
LOVEK322206N 0444000E
DELMI331911N 0431731E
ELEXI 344237N 0411054E
DRZ 351724N 0401124E
KUKSI 364508N 0374910E
GAZ 365701N 0372824E**

**UL607 SITIA (SIT)* Note 7
PAXIS 3357.1N02720.0E**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

**OTIKO 3134.4N 02936.6E
ALEXANDRIA (AXD)**

**UL612 METRU 340000N 0250900E
KANAR 322727N 0265330E
EL DABA (DBA) 310041N
0282801E**

**UL613 EL DABA (DBA)*Note 7
SOKAL 3236.0N 02737.1E
TANSA 3400.0N 02649.0E**

**L617 AXD
IMIRT 313259N 0293346E
ASNIR 323849N 0282144E
TANSA 340000N 0264900E**

**UL617 AXD
IMIRT 313259N 0293346E
ASNIR 323849N 0282144E
TANSA 340000N 0264900E**

**L631 TOTOX 215030N0622230E
IVOMA 223408N 0605430E
MIBSA 225400N 0601338E
AMBOS 230324N 0595405E
ELIGO 232458N 0590848E
KARAR 233042N 0585438E
MCT 233528.01N 0581536.47
SEVLA 233321N 0591122E**

**UL631 TOTOX 215030N0622230E
IVOMA 223408N 0605430E
MIBSA 225400N 0601338E
AMBOS 230324N 0595405E
ELIGO 232458N 0590848E
KARAR 233042N 0585438E
MCT 233528.01N 0581536.47
SEVLA 233321N 0591122E**

**L750 ZHOB (ZB) 3121.3N 06927.6E
ROSIE 3140.0N 06900.0E
MAXIN 3246.2N 06727.4E
RIKAD 3327.7N 06627.5E
HORST 3327.6N 06627.5E
VELDT 3430.0N 06454.1E
RANAH 3535.0N 06312.0E
(AFGAN 3824.0N 05817.0E**

**UL750 ZHOB (ZB) 3121.3N 06927.6E
ROSIE 3140.0N 06900.0E
MAXIN 3246.2N 06727.4E
RIKAD 3327.7N 06627.5E
HORST 3327.6N 06627.5E
VELDT 3430.0N 06454.1E
RANAH 3535.0N 06312.0E
(AFGAN 3824.0N 05817.0E
(OA/OP)**

**L764 SEEB Muscat (MCT)
ALMOG 233524N 0574940E
IVETO 233520N 0570704E
PAXIM 240245N 0561631E**

**UL764 SEEB Muscat (MCT)
ALMOG 233524N 0574940E
IVETO 233520N 0570704E
PAXIM 240245N 0561631E**

**UL768 MENSA 245750N 0563249E
AVAMI 2505.9N 05556.8E**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

***Note 7**

ATBOR 2510.1N 05519.8E
RANBI 251908N 0544500E
DUVGA 2530.3N 05403.5E
BALUS 254554N 0530424E
ELAXI 260000N 0523500E
IMTAS 281800N 0515700E
DAXAS 2621.3N 0515000E
ASMOR 2636.7 0511700E
TOLMO 265504N 0502927E
RAMSI 270249N 0500714E
ALVUN 271028N 0494455E
KISAB 272335N 0490606E
COPPI 2750.6N 04744.0E
HFR
VATIM 2851.6N 04444.7E
RAFHA (RAF)
ARAR (AAR)
OVANO3148.0N 03909.9E
OTILA 3201.5N 03901.9E

UL883 **REXOD 211230N 0613830E**
GADMA 211439N 0600938E
TAVKO 211519N 0593147E
UMILA 211555N 0584738E
MEVLI 211632N 0565606E
KUROV 211627N 0561853E
ALNUN 211625N 0561041E
SITOL 211604N 0552514E
PURDA 210805N 0510329E
ALRIK 220631N 0482535E
UMRAN 2315.1N 04520.4E
TUKVU 2346.4N 04353.3E
BIR DARB (BDB)
PMA N243251N 0394219E

UL894 **KITAL 2003.0N 06018.0E**
(MALE (MLE))
(SUNAN 0028.7N 07800.0E)
(DADAR 0200.0S 07927.1E)
(PERTH (PH))

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

M203 PUSTO 3321.0N 04245.0E
LOVEK 3222.1N 04440.0E
ILMAP 312133N 0465702E
DISAR 3131.3N 04613.4E

M300 LOTAV 2037N 0605700E
EMURU 221535N 0584950E

M301 PURAD 145500N 0415354E
SANA'A (SAA)
ITOLI 152825N 0450927E
KAPET 163322N 0530614E
ASMAK162327N 0524634E

M320 KING FAHD (KFA)
KODAG 2703.3N 04920.4E
JUBAIL (JBL)
RAS
ASVIR 283220N 0482220E
KUWAIT (KUA)

M508 KING KHALED
N638 OVEKU 250955N 0445701E
MADINAH

M551 AVAVO 1646.3N 05526.1E
KIVEL 165306N 0553633E
DAXAM 171612N 0544715E

UM203 PUSTO 3321.0N 04245.0E
LOVEK 3222.1N 04440.0E
ILMAP 312133N 0465702E
DISAR 3131.3N 04613.4E

UM300 (CALICUT) CLC
LOTAV 2037N 0605700E
EMURU 221535N 0584950E

UM301 PURAD 145500N 0415354E
SANA'A (SAA)
ITOLI 152825N 0450927E
KAPET 163322N 0530614E
ASMAK162327N 0524634E

UM309 KIND KHALED (KIA)
RAGHBA (RGB)
NASIR
RABTO 221608N 0400326E

UM320 KING FAHD (KFA)
KODAG 2703.3N 04920.4E
JUBAIL (JBL)
RAS
ASVIR 283220N 0482220E
KUWAIT (KUA)

UM321 RAGHBA
HAIL
HALAIFA 262602N 0391609E
ROSUL 2539.7N 04215.3E
OVEKU 2509.9 04457.0E
KING KHALED (KIA)

UM508 KING KHALED
UN638 OVEKU 250955N 0445701E
MADINAH

UM551 DONSA1435.3N06344.0E
ANGAL1614.1N 06000.1E
AVAVO 1646.3N 05526.1E
OTOTO 164004N 0570435E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

M552 ~~(RAHIM VAR KHAN) RK
BIRJAND (BJD)
DEHNAMAK (DHN)
TEHERAN (TRN)
ZANJAN
TABRIZ (TBZ)~~

M561 ~~KISH (KIS) * Note 3&4 (OI)
GHESHM (KHM)
MOBET 2645.3N 05609.8E
ASVIB 265724N 0631812E
EGSAL 2716.8N 06249.0E
PANJGUR (PG)~~

M600 ~~RANBI 251908N 0544500E
KISAG 251834N 0541408E
SINGU 253706N 052570E
NOBLA 255111N 0522740E
TOBLI 262134N 0512301E
RULEX 264529N 0501745E~~

~~KIVEL 165306N 0553633E
DAXAM 171612N 0544715E~~

UM552 ~~(RAHIM VAR KHAN) RK
BIRJAND (BJD)
DEHNAMAK (DHN)
TEHERAN (TRN)
ZANJAN
TABRIZ (TBZ)~~

UM561 ~~RATUN 2646.2N 05108.0E * See
Note 7
KISH (KIS) * Note 3&4 (OI)
GHESHM (KHM)
MOBET 2645.3N 05609.8E
ASVIB 265724N 0631812E
EGSAL 2716.8N 06249.0E
PANJGUR (PG)~~

UM573 ~~TEHERAN (TRN)
TABRIZ (TBZ) 3808.3N
04613.9E~~

UM574 ~~MALE (MLE)
(POPET) 0713.7N 06813.6E
NABIL 1222.0E 0600.0E
RIGAM 143932N 0530414E
ODAKA 1440.6N 05234.0E
SYN 1557.7N 04847.2E
HELAL 1716.0N 04422.0E
NOBSU 171554N 0431318E
ABHA 1814.4N 04239.5E
JEDDAH (JDW)~~

UM600 ~~RANBI 251908N 0544500E
KISAG 251834N 0541408E
SINGU 253706N 052570E
NOBLA 255111N 0522740E
TOBLI 262134N 0512301E
RULEX 264529N 0501745E~~

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

M628 **LUDID 230227N 0551800E**
LABSA 230153N 0555505E
EGVAN 230127N 0561907E
TULBU 230005N 0571827E
IZK 225318.60N 0574542.73E
TOLDA 224008N 0583624E
LOXOP 223722N 0594548E
LADAP 223513N 0603238E
IVOMA 223408N 0605430E
~~**GEVED 230105N 0575111E**~~
~~**GIDAN 230104N 0582232E**~~
~~**KAXEM 225103N 0595243E**~~
PARAR 222630N 0630700E

UM628 **DAFINAH (DFN) 231700N**
0414312E
KIPOM 225316N 0501518E
MIGMA 225035N 0512749E
KITAP 224928N 0522923E
ALPEK 224648N 0535942E
LUDID 230227N 0551800E
LABSA 230153N 0555505E
EGVAN 230127N 0561907E
TULBU 230005N 0571827E
IZK 225318.60N 0574542.73E
TOLDA 224008N 0583624E
LOXOP 223722N 0594548E
LADAP 223513N 0603238E
IVOMA 223408N 0605430E
~~**GEVED 230105N 0575111E**~~
~~**GIDAN 230104N 0582232E**~~
~~**KAXEM 225103N 0595243E**~~
PARAR 222630N 0630700E

M634 **ANGAL 161406N 0600006E**
~~**UBTEN 120814N 0495611E**~~
VEDET 120134N 0512410E
DAROT 0911.4N 04721.2E

UM634 **ANGAL 161406N 0600006E**
~~**UBTEN 120814N 0495611E**~~
VEDET 120134N 0512410E
DAROT 0911.4N 04721.2E

M651 **ATBOT 171418N 0464706E**
ADEN (KRA)
(HARGEISA) HARGA

UM651 **ATBOT 171418N 0464706E**
ADEN (KRA)
(HARGEISA) HARGA

M762 **REXOD 211230N 0613830E**
SUR 223159N 0592829E
ITURA 232351N 0580720E
ALMOG 233524N 0574940E
TAPRA 242607N 0563803E
VAXAS 244308N 0561807E
 * Note 7 (OM, OO)
BUBIN 245742N 0560642E

UM861 **ELEXI 3441.5N 04109.0E**
DIER-ZZOR (DRZ)
ALEPPO (ALE)
NISAP 364724N 0363830E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

M881 ~~DERA ISMAIL KHAN (DI)~~
~~ADINA 3256.1N 07035.8E~~
~~(BANNU-BN) (OA/OP)~~
~~LAJAK 3356.0N 07030.0E~~
~~ALAMI 2506.1N 07025.2E~~
~~KAVOG 3705.5N 07030.0E~~
~~EGPAN 3825.0 07044.0E~~
~~JALAL 3430.0N 07045.0E~~
~~MATAL 3600.0N 07100.0E~~
~~ANWAR 3652.0N 07034.0E~~
~~(GARRI 3825.0N 07034.0E)~~

UM877 VUSET 235540N 0590812E
ITILA 234015N 0584817E
KUSRA 232426N 0582611E

UM881 ~~DERA ISMAIL KHAN (DI)~~
~~ADINA 3256.1N 07035.8E~~
~~(BANNU-BN)~~
~~LAJAK 3356.0N 07030.0E~~
~~ALAMI 2506.1N 07025.2E~~
~~KAVOG 3705.5N 07030.0E~~
~~EGPAN 3825.0 07044.0E~~
~~JALAL 3430.0N 07045.0E~~
~~MATAL 3600.0N 07100.0E~~
~~ANWAR 3652.0N 07034.0E~~
~~(GARRI 3825.0N 07034.0E)~~

UM999 ~~GS~~
~~DITAR 265903N 0250000E~~
~~KHG~~
~~KUNAK~~
(LUXOR) LXR
DEDLI 2242 32N 03737 19E
OSAMA 2215 54N 03817 34E
~~RAMSO 221706N 0381653E~~
KING ABDULAZIZ (JDW)

N303 (HARGEISA) HARGA
PARIM 1231.7N 04327.2E
RIBOK 1547N 04152.5E
LABNI 1656.3N 04109.4E

UN303 (HARGEISA) HARGA
PARIM 1231.7N 04327.2E
RIBOK1547N 04152.5E
LABNI 1656.3N 04109.4E

UN315 ASPUX 174406N 0600006E
KUTVI 184306N 0582642E
Note:- 7 (OO/OB)
SITOL 211604N 0552514E
LOTOS 220000N 0503912E
~~RAPMA 232256N 0482028E~~
RESAL 240649N 0470427E
KING KHALED (KIA)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

**UN316 HALAIFA (HLF) 262603N
0391609E
PASAM 273045N 0345542E**

**UN318 TONTU 314804N 0381110E
RAGOM 313227N 0381656E
GURIAT (GRY)
ORKAS 3047.4N 03846.3 E
NEVOL 3024.7N 03938.6E
VELAL2946.0N 04038.4E
TAMRO 2838.6N 04240.8E
MOGON 2738.8N 04445.9E
TAGSO 2727.7N 04545.2E
KUSAR 2647.7N 04902.3E
KFA
ASPAN 263255N 0494903E
DEDAS 263011N 0501427E
SESNA 260923N 0512227E
GITEX 252609N 0523832E
LOXAT 252140N 0524523E**

**UN319 ZAHEDAN (ZDN)
TABAS (TBS)
DASHT-E-NAZ (DNZ)
ULDUS- 3800.0N 05101.0E
LUSAL 4035.0N 04757.0E
ADEKI 4117.8N 04645.0E
TBILIS (TBS)
MUKHARANI (DF)
ALI (BT)
LOBIN 4210.9N 04306.4E
IBERI 4209.6N 04143.3E**

**N324 NALTI 221858N 0500751E
OBNAM 211843N 0503532E
PURDA 210805N 0510329E
GOBRO 193622N 0534741E
ASTUN 180832N 0551040E
MRL 180832N 0551040E**

**UN324 NALTI 221858N 0500751E
OBNAM 211843N 0503532E
PURDA 210805N 0510329E
GOBRO 193622N 0534741E
ASTUN 180832N 0551040E
MRL 180832N 0551040E**

**N519 KARACHI (KC) 245436N
0671036E (OP/VA)
SAPNA 233000N 0675000E**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

~~TARAB 2139.3N 06939.7E~~
~~PRN 213824N 0693948E~~
~~TAXUN 211906N 0701520E~~
~~EXOLU 201248N 0713412E~~
~~(BBB 190506N 0725230E)~~

N563 REXOD 211230N 0613830E*Note
 7 (OO.OM)
 EMURU 221357N 0585338E
 TULBU 230005N 0571827E
 MEKNA 223309N 0560815E
 *Note 8 (OO)
 SODEX 234954N 0553202E
 NOBTO 235525N 0551840E
 ADV
~~AUH 242612N 0543900E~~
 BALUS 254554N 0530424E

UN555 BELGAUM (BBM)
 BISET 1823.4N 06918.1E
 KATBI 1931.6N 06500.0E
 LOTAV 2037.0N 06057.0E

UN563 (BANGALORE) BBG
 REXOD 211230N 0613830E*Note
 7 (OO.OM)
 EMURU 221357N 0585338E
 TULBU 230005N 0571827E
 MEKNA 223309N 0560815E
 *Note 8 (OO)
 SODEX 234954N 0553202E
 NOBTO 235525N 0551840E
 ADV
~~AUH 242612N 0543900E~~
 BALUS 254554N 0530424E

UN569 JDW 214045N 0390958E
 BONUM 221252N 0393805E
 RABTO 221608N 0400326E
 LOTOS
 Note:- 7 (OB/OO)
 TOKRA 220925N 0553350E
 TOPSO 215653N 0562043E
 MOGOK 215057N 0564236E
 KEBAS 214330N 0570948E
 GSKA 213503N 0574014E
 UMILA 211555N 0584738E
 GOLNI 210014N 0594130E
 LOTAV 203700N 0605700E

N571 PARAR 2226.5 N 06307E
 * Note 7 (OO OM)
 KIPOL 230410N 0612903E

UN571 (GUNPI 0429.9N 09931.8E)
 (VAMPI 0610.9N 09735.1E)
 (MEKAR 0630.2N 06929.5E)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

RAGMA 230600N 0610539E
SODEB 234747N 0593023E
VUSET 235540N 0590812E
KIROP 243000N 0574700E
***Note 8 (OO)**
MENSA 245750N 0563249E
ATBOR 251007N 0551947E
RANBI 251908N 0544500E
SENTO 251908N 0544500E
BALUS 254554N 0530424E

(SUGID- 1933.1 N 06921.0E)
PARAR 2226.5 N 06307E
*** Note 7 (OO OM)**
KIPOL 230410N 0612903E
RAGMA 230600N 0610539E
SODEB 234747N 0593023E
VUSET 235540N 0590812E
KIROP 243000N 0574700E
***Note 8 (OO)**
MENSA 245750N 0563249E
ATBOR 251007N 0551947E
RANBI 251908N 0544500E
SENTO 251908N 0544500E
BALUS 254554N 0530424E

N629 TARDI 243418N 0560915E
***Note 7 (OO)**
NOSMI 241757N 0563002E
MUSUK 234320N 0572148E
RAGUD 234701N 0571644E
SEEB (MCT)
GEPOT 231446N 0580053E
GIDAN 230104N 0582232E
TOTOX 215030N 0622230E

UN629 TARDI 243418N 0560915E
***Note 7 (OO)**
NOSMI 241757N 0563002E
MUSUK 234320N 0572148E
RAGUD 234701N 0571644E
SEEB (MCT)
GEPOT 231446N 0580053E
GIDAN 230104N 0582232E
TOTOX 215030N 0622230E

N638 KING KHALED (KIA)
PMA 243251N0394219E
OVEKU 250955N 0445701E
MADINAH (PMA)

UN638 KING KHALED (KIA)
PMA 243251N0394219E
OVEKU 250955N 0445701E
MADINAH (PMA)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

		UN644	(DERA ISMAIL KHAN) DI GHAZNI (GN) LEMOD 3610.0N 06417.5E (MEKOL 3730.0N 06200.0E) (TABIP 3900.0N 05820.0E) (RODAR 4028.0N 05130.0E) (LAGAS 4143.3N 04413.9E) (SINDP (SIN) (OA/OP)
N764	NOBSU 171554N 0431318E MUKALLAH (RIN) 144015N 0492329E SOCOTRA (SOC) 123749N 0535429E SUHIL 120000N 0550000E NABAM 101112N 0581424E	UN764	NOBSU 171554N 0431318E MUKALLAH (RIN) 144015N 0492329E SOCOTRA (SOC) 123749N 0535429E SUHIL 120000N 0550000E NABAM 101112N 0581424E
N767	PARAR 222630N 0630700E VUSIN 225940N 0605510E ATBED 230352N 0603752E ELIGO 232458N 0590848 SEVLA 233321N 0591122E SEEB (MCT) * Note 7	UN767	PARAR 222630N 0630700E VUSIN 225940N 0605510E ATBED 230352N 0603752E ELIGO 232458N 0590848 SEVLA 233321N 0591122E SEEB (MCT) * Note 7
		UN881	RASKI 230330N 0635200E SETSI 230412N 0614410E KIPOL 230410N 0612903E ATBED 230352N 0603752E AMBOS 230324N 0595405 MUSRU 230256N 0592223E *Note 7 OO OBTIN 230216N 0585920E GIDAN 230104N 0582232E GEVED 230105N 0575111E TULBU 230005N 0571827E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

N929 BALUS 254554N 0530424E
NOBLA 255111N 0522740E
BOSIX 260633N 05155554E
TOBLI 262134N 0512301E
SIKTA 263232N 0505552E
RULEX 264529N 0501745E
SILNO 264026N 0475745E

UN929 BALUS 254554N 0530424E
NOBLA 255111N 0522740E
BOSIX 260633N 05155554E
TOBLI 262134N 0512301E
SIKTA 263232N 0505552E
RULEX 264529N 0501745E
SILNO 264026N 0475745E

UP146 RASHT (RST)
AGINA 3919.4N 04405.2E
(AGRI) (ARI)
(YAVUZ 4002.7N 04226.0E)
(TRABZON (TBN)

P302 HALAIFA (HLF)
*Note 3(OE,OJ)
GURIAT (GRY)
HAZEM

UP302 HALAIFA 9HLF)
*Note 3(OE,OJ)
GURIAT (GRY)
HAZEM

P307 (SHJ) 251944.9N 0553118.1E
Note 7 (OM,OO)
TONVO 250500N 0563200E
PURNI 243804N 0574354E
*Note 8 (OO)
KUNUS 241927N 0583226E
ALSAS 240054N 0591955E
DORAB 235033N 0594746E
VAXIM 231900N 0611100E
SETSI 230412N 0614410E
PARAR 222630N 0630700E

UP307 (SHJ) 251944.9N 0553118.1E
Note 7 (OM,OO)
TONVO 250500N 0563200E
PURNI 243804N 0574354E
*Note 8 (OO)
KUNUS 241927N 0583226E
ALSAS 240054N 0591955E
DORAB 235033N 0594746E
VAXIM 231900N 0611100E
SETSI 230412N 0614410E
PARAR 222630N 0630700E

P312 MUKALLA RIYAN (RIN)
PAKER 1155.0N0463500E
(HARGEISA) HARGA

UP312 MUKALLA RIYAN (RIN)
PAKER 1155.0N0463500E
(HARGEISA) HARGA

P316 SALALLAH (SLL) * Note 7 (OO)
DAXAM 171612N 0544715E
GAGLA 180505N 0552410E
GIVNO 195011N 0563059E
MOBAB 201032N 0564415E
GISKA 213503N 0574014E
RADAX 220809N 0580230E
SEEB MUSCAT (MCT)

UP316 SALALLAH (SLL) * Note 7 (OO)
DAXAM 171612N 0544715E
GAGLA 180505N 0552410E
GIVNO 195011N 0563059E
MOBAB 201032N 0564415E
GISKA 213503N 0574014E
RADAX 220809N 0580230E
SEEB MUSCAT (MCT)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

- P500** ~~(DERA ISMAIL KHAN-DI)~~
~~(BANNU-BN)~~
~~(HANGU-3329.1N 07100.4E)~~
~~(PESHAWAR-PS)~~
~~(CHITRAL-3553.2N 07148.0E)~~
~~(GERRY-3612.0N 07135.0E)~~
~~PADDY-3628.0N 07138.0E~~
~~FIRUZ-3640.0N 07138.0E~~
- P513** BUBAS 245938N 0570003E
GERAR 240600N 0573616E
MIBSI 234139N 0575523E
SEEB (MCT) * Note 7
- UP323** ~~ANODA 0958.1N 07224.0E~~
~~GOLEM 1157.7N 0672202E~~
~~DONSA 1435.3N 06511.6E~~
~~GIDAS 142004N 0600000E~~
~~KADER 151300N 05500E~~
~~PATAP 152744N 0532929E~~
~~AL-GHAIDAH~~
~~NODMA 1526.0N 05334.0E~~
~~THAMUD 1717.0N 04955.0E~~
~~BISHA 1958.7N 04237.5E~~
~~WDR~~
JEDDAH (JDW)
- UP500** ~~(DERA ISMAIL KHAN-DI)~~
~~(BANNU-BN)~~ (OA/OP)
~~(HANGU-3329.1N 07100.4E)~~
~~(PESHAWAR-PS)~~
~~(CHITRAL-3553.2N 07148.0E)~~
~~(GERRY-3612.0N 07135.0E)~~
~~PADDY-3628.0N 07138.0E~~
~~FIRUZ-3640.0N 07138.0E~~
- UP517** WAFRA (KFR)
GOVAL
KMC
- UP552** DATEG 123549N 0471627E
ULAXI 141524N 0482317E
GINBO 160349N 0494017E
IMPOS 183137N 0511848E
- UP555** NUWEIBAA (NWB)*See Note 3
RASDA 3306.0N 03057.0E
(KAVOS)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

P557 **NUBAR 220000N 0313806E**
***SeeNote 6&7**
MISUK 290507N 0290621E
KATAB 292501N0290506E

UP557 **NUBAR 220000N 0313806E**
***SeeNote 6&7**
MISUK 290507N 0290621E
KATAB 292501N0290506E

P559 **(LARNACA)**
KUKLA 3414.6N 3444.8E
KHALDEH (KAD)
DAKWE 3338.9N 03555.0E
*** Note 4 (OS)**
DAMASCUS
TONTU 3148.1N 03811.2E
*** Note 3(OS,OJ)**

UP559 **(LARNACA) LCA**
KUKLA 3414.6N 3444.8E
KHALDEH (KAD)
DAKWE 3338.9N 03555.0E
DAMASCUS (DAM)
~~ROSLI 3154.3N 03836.8E~~
~~TONTU 3148.1N 03811.2E~~
*** Note 3 (OS,OJ)**
TURAIIF (TRF)
KAVID 3035.9N 04011.8E
TOKLU 2942.1N 04202.4E
RASMO 2857.2N 04331.3E
KMC
MUSKO 2726.7N 04737.1E
KEDAT 2721.8N 04759.0E
JUBAIL (JBL)
GASSI 2702.9N 05022.5E
UMAMA 2658.5N 05046.8E
LOTIT 2648.9N 05112.6E
VUXOR 2553.7N 05322.0E
~~ALVON 2700.2N 05007.2E~~
~~RATUN 2646.2N 05108.0E~~

P570 **KITAL 2003N 06018E**
MIBSI 234139N 0575523E

UP567 **BIRJAND (BJD)**
ODKAT 3540.6N 05457.2E
DASHT-E-NAZ (DNZ) 3638.7N
05311.4E
(ULDUS -3800.0N 05101.0E)
NETON 3945.7N 04811.7E
BARUS 4154.2N 04250.5E

UP570 **TRIVENDRUM (TVM)**
~~POMAN 1156.1N 07200.0E~~
~~LATEB 1717.1N 06422.0E~~
~~VISET1831 12N 06229 64E~~
KITAL 2003N 06018E
MIBSI 234139N 0575523E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

~~P571~~ LABNI 165620N 0410921E
~~M559~~ NISMI 162415N 0421838E
 SANA'A (SAA)
 ITOLI 152825N 0450927E
 MUKALLA (RIN)
 VEDET 120134N 0512410E

~~UP571~~ LABNI 165620N 0410921E
~~UM559~~ NISMI 162415N 0421838E
 SANA'A (SAA)
 ITOLI 152825N 0450927E
 MUKALLA (RIN)
 VEDET 120134N 0512410E

UP574 (BELGAUM) BBM
 (BISET- 1823.4N 06918.1E)
 TOTOX 215030N 0622230E
 * Note 7 (OO)
 KUSRA 231726N 0585102E
 MIBSI 234138N 0575525E
 SOLUD 243223N 0564421E
 GISMO 244743N 0562236E
 BUBIN 245742N 0560642E
 TUKLA 2519.6N 05540.2E
 KUMUN 254000N 0551512E
 * Note 7 (KUMUN-PAPAR)
 PAPAR 264000N 0542700E
 SHIRAZ
 ESFAHAN (ISN)
 TEHRAN
 SAVEH (SAV)
 ULDUS

UP634 LALDO 251806N 0563600E
 ATBOR 251007N 0551947E

P751 BRN 3134.5N 02600.3E
 KATAB 2925.0N 2905.1E
 AST 2701.9N 03101.9E
 LUXOR (LXR)
 ALEBA 2200.0N 03527.0E
 PORT SUDAN
 [ASMARA] * Note 1
 ASSAB 1304.0N 04238.8E
 PARIM 1231.7N 04327.2E
 ADEN
 ANGAL 1614.0N 06000.0E
 (MUMBAI) BBB

UP751 BRN 3134.5N 02600.3E
 KATAB 2925.0N 2905.1E
 AST 2701.9N 03101.9E
 LUXOR (LXR)
 ALEBA 2200.0N 03527.0E
 PORT SUDAN
 [ASMARA] * Note 1
 ASSAB 1304.0N 04238.8E
 PARIM 1231.7N 04327.2E
 ADEN
 ANGAL 1614.0N 06000.0E
 (MUMBAI) BBB

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

P899 ~~PARAR 222630N 0630700E~~
 *Note 7 (OO,OM/OB)
 MIBSI 234139N 0575523E
 PAXIM 240245N 05617631E
 ITRAX 241248N 0554749E
 AL AIN (ALN)
 ABU DHABI (ADV)
 DASLA N2437.8 E05332.8
 VEBAT N2448.5 E05251.0
 MEKMA N245430 E0522506
 *Note 8 (OB)
 EMILA N250445 E0521151

P975 NOLDO 324932N
 0452129E*Note7
 KATUT 323737N 0453439E
 DENKI 322228N 0455122E
 ILMAP 312133N 0465702E
 PEBAD 305023N 0472958E
 PUSMO ~~304444N 0473547E~~
 SIDAD 295231N 0482944E
 LOVAR 2924.4N 04846.1E
 SESRA 2908000N 004854.9E
 DANAL 2851.5N 04904.8E
 IMDOX 2834.9N 04914.6E
 LONOS 283027N 0491713E
 TESSO ~~282852N 0492723E~~
 DETKO 280550N 0493130E
 TOLMO 2655.1N 05029.4E
 TORNA 2633.6N 05042.2E
 MEMBO 262425N 0504737E
 MIXAR ~~270800N 0503300E~~
 RATUN ~~264613N 0510759~~^E

UP891 MAGALA (MGA)
 EGNOV
 EMILU
 ASVIR
 KUNRU 283220N 0481050E
 KUWAIT (KUA)

UP899 ~~PARAR 222630N 0630700E~~*Note
 7 (OO,OM/OB)
 MIBSI 234139N 0575523E
 PAXIM 240245N 05617631E
 ITRAX 241248N 0554749E
 AL AIN (ALN)
 ABU DHABI
 DASLA N2437.8 E05332.8
 VEBAT N2448.5 E05251.0
 MEKMA N245430 E0522506
 *Note 8 (OB)
 EMILA N250445 E0521151

UP975 (ELAZIG) EZS *Note7
 (DYB) 384225N 0391328E
 LESRI 370420N 0411348E
 KANOK 363358N 0414059E
 TUBEN 351724N 0425434E
 MUTAG 343003N 0433834E
 SOGUM 341212N 0435454E
 ETBOM 332137N 0444753E
 NOLDO 324932N 0452129E
 KATUT 323737N 0453439E
 DENKI 322228N 0455122E
 ILMAP 312133N 0465702E
 PEBAD 305023N 0472958E
 PUSMO ~~304444N 0473547E~~
 SIDAD 295231N 0482944E
 LOVAR 2924.4N 04846.1E
 SESRA 2908000N 004854.9E
 DANAL 2851.5N 04904.8E
 IMDOX 2834.9N 04914.6E
 LONOS 283027N 0491713E
 TESSO ~~282852N 0492723E~~
 DETKO 280550N 0493130E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

~~TOLMO 2655.1N 05029.4E~~
~~TORNA 2633.6N 05042.2E~~
~~MEMBO 262425N 0504737E~~
~~MIXAR 270800N 0503300E~~
~~RATUN 264613N 0510759^E~~

Q100 KIPOL 230410N 0612903E
 *Note 7 (OO)
Proposed Designator (L444)
 VUSIN 225940N 0605510E
 MIBMA 225400N 0601338E
 KAXEM 225103N 0595243E
 IMDEK 224647N 0592217E
 TOLDA 224008N 0583624E

UQ100 KIPOL 230410N 0612903E
 *Note 7 (OO)
Proposed Designator (L444)
 VUSIN 225940N 0605510E
 MIBMA 225400N 0601338E
 KAXEM 225103N 0595243E
 IMDEK 224647N 0592217E
 TOLDA 224008N 0583624E

Q101 PAROK 231030N 0590245E
 *Note 7 (OO)
Proposed Designator (L695)
 ITURA 232351N 0580720E

UQ101 PAROK 231030N 0590245E
 *Note 7 (OO)
Proposed Designator (L695)
 ITURA 232351N 0580720E

Q102 MCT 233528.01N 0581536.47E
 *Note 7 (OO))
Proposed Designator (M303)
 SEVLA 233321N 0591122E
 KIPOL230410N 0612903E

UQ102 MCT 233528.01N 0581536.47E
 *Note 7 (OO)
Proposed Designator (M303)
 SEVLA 233321N 0591122E
 KIPOL230410N 0612903E

Q111 RIKET 251859N 0560200E
 *Note 7/8 (OO/OM)
Proposed Designator M428
 GOMTA 251115N 0563447E
 TARBO 244351N 0574637E
 MUNGA 242516N 0584533E

UQ111 RIKET 251859N 0560200E
 *Note 7/8 (OO/OM)
Proposed Designator (M428)
 GOMTA 251115N 0563447E
 TARBO 244351N 0574637E
 MUNGA 242516N 0584533E

Q112 TARBO 244351N 0574637E
 *Note 7/8 (OO)
Proposed Designator (M681)
 DAMUM 243236N 0591307E

UQ112 TARBO 244351N 0574637E
 *Note 7/8 (OO)
Proposed Designator (M681)
 DAMUM 243236N 0591307E

Q113 TARBO 244351N 0574637E
 *Note 7/8 (OO)
Proposed Designator (N430)

UQ113 TARBO 244351N 0574637E
 *Note 7/8 (OO)
Proposed Designator (N430)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

ITLOB 244325N 0590701E

Q114 ADV 242508N 0544024*Note 7
*Note 8 (OO/OM)
Proposed Designator (N685)
RETAS 235754N 0553423E
PUTSO 232037N 0565322E
LAKLU 232235N 0570401E

Q300 DOH 2514.0N 05134.6E
KIRUM 250309N 0523132E
*Note 7/8 (OM)
Proposed Designator (N300)
BOXAK 244536N 0540032E
MIADA 245112N 0545736E
TONVO 250500N 0563200E

Q301 MIADA 245112N 0545736E
NALTA 2502.7N 05539.8E
AVAMI 2505.9N 05556.8E
LALDO 251806N 0563600E
Proposed Designator (L310)

Q302 KANIP 2410.7N 05520.7E
RETAS 235754N 0553423E
Proposed Designator (L440)

Q707 EGNOV 270301N 0474713E
GEPAC 2633.0N 04843.5E
RADMA 2623.0N 04857.5E
DELMU 2618.9N 04903.4E
ROSEM 2607.7N 04919.0E
SALWA 251538N 0503048E
Proposed Designator (L681)

Q900 RABAP 283625N 0492722E
(BAH/KWT FIR BOUNDRY)
GEVAL 282101N 0494300E
UMAMA 265831N 0504648E
Proposed Designator (M677)

R2 ATMUL 220000N 0290527E
TULOP 252209N 0262226E

ITLOB 244325N 0590701E

UQ114 ADV 242508N 0544024*Note 7
*Note 8 (OO/OM)
Proposed Designator (N685)
RETAS 235754N 0553423E
PUTSO 232037N 0565322E
LAKLU 232235N 0570401E

UQ300 DOH 2514.0N 05134.6E
KIRUM 250309N 0523132E
*Note 7/8 (OM)
Proposed Designator (UN300)
BOXAK 244536N 0540032E
MIADA 245112N 0545736E
TONVO 250500N 0563200E

UQ301 MIADA 245112N 0545736E
NALTA 2502.7N 05539.8E
AVAMI 2505.9N 05556.8E
LALDO 251806N 0563600E
Proposed Designator (UL310)

UQ302 KANIP 2410.7N 05520.7E
RETAS 235754N 0553423E
Proposed Designator (L440)

UQ707 EGNOV 270301N 0474713E
GEPAC 2633.0N 04843.5E
RADMA 2623.0N 04857.5E
DELMU 2618.9N 04903.4E
ROSEM 2607.7N 04919.0E
SALWA 251538N 0503048E
Proposed Designator (UL681)

UQ900 RABAP 283625N 0492722E
(BAH/KWT FIR BOUNDRY)
GEVAL 282101N 0494300E
UMAMA 265831N 0504648E
Proposed Designator (UM677)

UR2 ATMUL 220000N 0290527E
TULOP 252209N 0262226E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

DITAR 265903N 0250000E

**R205 ANARAK (ANK)
BIRJAND (BJD)**

**R219 SHARJAH (SHJ)
* Note 7 (OB, OM)
RATUN 2646.2N 05108.0E
DEDAS 2630.2N 05014.4E
KING FAHD (KFA)
* Note 7 (OB)
BOROP 2653 17 N 04852 03E
KEDAT 2721 49N 04759 01E**

**R401 AMPEX 08 10.0N 055 00.0E
SUHIL 1200.0N 05500.0E
DAPAP 151115N 0552354E
NIDOD 151115N 0552354E
KIVEL 165306N 0553633E
ERDAX 175903N 0554458E
HAIMA (HAI)
DEMKI 224941N 0562308E
MUSAP 241754N 0555245E
GIDIS 243600N 0555600E
RAS AL KHAIMAH (RAK)
DARAX
GHESHM (KHM)**

**R402 LAKLU 232235N 0570401E
HAIMA (HAI)**

**R462 (JIWANI) JI
DENDA 2442.5N 06054.8E
VUSET 235540N 0590812E
MIBSI 234139N 0575523)
*Note 7 (OO)**

**R650 LUXOR (LXR)
ASRAB 2547.4N 03306.3E
HURGHADA (HGD)
SHARM EL SHEIKH (SHM)**

DITAR 265903N 0250000E

**UR205 ANARAK (ANK)
BIRJAND (BJD)**

**UR219 OTILA 3201.5N 03901.9E
*Note 7
MODAD
SOKAN
RAFIF
SULAF
FIRAS**

**UR401 AMPEX 08 10.0N 055 00.0E
SUHIL 1200.0N 05500.0E
DAPAP 151115N 0552354E
NIDOD 151115N 0552354E
KIVEL 165306N 0553633E
ERDAX 175903N 0554458E
HAIMA (HAI)
DEMKI 224941N 0562308E
MUSAP 241754N 0555245E
GIDIS 243600N 0555600E
RAS AL KHAIMAH (RAK)
DARAX
GHESHM (KHM)**

**UR402 LAKLU 232235N 0570401E
HAIMA (HAI)**

**UR462 (JIWANI) JI
DENDA 2442.5N 06054.8E
VUSET 235540N 0590812E
MIBSI 234139N 0575523E
*Note 7 (OO)**

**UR650 LUXOR (LXR)
ASRAB 2547.4N 03306.3E
HURGHADA (HGD)
SHARM EL SHEIKH (SHM)**

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

	NUWEIBAA (NWB) NALSO 2932.0N 03453.0E		NUWEIBAA (NWB) NALSO 2932.0N 03453.0E
R651	TANF (TNF) SHATRA	UR651	TANF (TNF) SHATRA
R652	TURAIIF (TRF) *Note 7(OE) GURIAT (GRY) QATRANEH (QTR) AQABA METSA 2930.0N 03500.0E OVANO 3148.0N 03909.8E	UR652	TURAIIF (TRF) *Note 7(OE) GURIAT (GRY) QATRANEH (QTR) AQABA METSA 2930.0N 03500.0E OVANO 3148.0N 03909.8E
R653	JERUSALEM * Note 4(OJ, OS) RAMTHA DAMASCUS	UR653	JERUSALEM * Note 4(OJ, OS) RAMTHA DAMASCUS
R654	ZANJAN (ZAJ) SAVEH (SAV) ESFAHAN (ISN) YAZD KERMAN (KER) NABOD 2816.1N 05825.3E CHAH BAHAR (CBH) EGTAL 243458N 0603724E VAXIM 231900N 0611100E	UR654	MAGRI 385408N 0462300E ZANJAN (ZAJ) SAVEH (SAV) ESFAHAN (ISN) YAZD (YZD) KERMAN (KER) NABOD 2816.1N 05825.3E CHAH BAHAR (CBH) EGTAL 243458N 0603724E VAXIM 231900N 0611100E
R655	(LARNACA) LCA CHEKA (CAK) KARIATAIN (KTN)	UR655	(LARNACA) CHEKA (CAK) KARIATAIN (KTN)
R658	SEEB Muscat (MCT) MELMI 2647.0N 05723.0E BANDAR ABBAS (BND)	UR658	SEEB Muscat (MCT) MELMI 2647.0N 05723.0E BANDAR ABBAS (BND)
R659	TEHRAN (TRN) *Note 7 (ISN-TRN) BOXAM 343749N 0515147E DAPOG 333744N 0522331E SHIRAZ (SYZ) DOHA (DOH)	UR659	TEHRAN (TRN) *Note 7 (ISN-TRN) BOXAM 343749N 0515147E DAPOG 333744N 0522331E SHIRAZ (SYZ) DOHA (DOH)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

~~MARMI 241400N 0511330E~~
~~BATHA (BAT) 241257N~~
~~0512707E~~
~~MIGMA 225035N 0512749E~~
~~PURDA 210805N 0510329E~~
~~ASTIN 200410N 0495320E~~
~~SHARURAH (SHA)~~
~~ATBOT 171418N 0464706E~~
~~TULIS 173033N 0462616E~~
~~ALHAZM 161230N 0444742E~~
~~SANA'A~~
~~TATNA 171429N 0461418E~~
~~RAGNI 163454N 0454815E~~
~~LOPAD 161651N 0453738E~~
~~ITOLI 152825N 0450927E~~
~~OBNAM 144541N 0444448E~~
~~GEVEL 141229N 0442547E~~
~~NOPVO 135436N 0441536E~~
~~TAZ 134149.53N 0440818.98E~~
~~PARIM 123142N 0432712E~~

R660 (ERZERUM) (ERZ)
 DASIS 38 54.5N 044 12.5E
 TABRIZ (TBZ)
 RASHT (RST)
 TEHRAN (TRN)

R661 DULAV 3857.0N 04537.9E
 TABRIZ (TBZ)
 ZANJAN (ZAJ)
 RUDESHUR (RUS)
 VARAMIN (VR)
 DEHNAMAK (DHN)

~~MARMI 241400N 0511330E~~
~~BATHA (BAT) 241257N~~
~~0512707E~~
~~MIGMA 225035N 0512749E~~
~~PURDA 210805N 0510329E~~
~~ASTIN 200410N 0495320E~~
~~SHARURAH (SHA)~~
~~ATBOT 171418N 0464706E~~
~~TULIS 173033N 0462616E~~
~~ALHAZM 161230N 0444742E~~
~~SANA'A~~
~~TATNA 171429N 0461418E~~
~~RAGNI 163454N 0454815E~~
~~LOPAD 161651N 0453738E~~
~~ITOLI 152825N 0450927E~~
~~OBNAM 144541N 0444448E~~
~~GEVEL 141229N 0442547E~~
~~NOPVO 135436N 0441536E~~
~~TAZ 134149.53N 0440818.98E~~
~~PARIM 123142N 0432712E~~

UR660 (ERZERUM) (ERZ)
 DASIS 38 54.5N 044 12.5E
 TABRIZ (TBZ)
 RASHT (RST)
 TEHRAN (TRN)

UR661 DULAV 3857.0N 04537.9E
 TABRIZ (TBZ)
 ZANJAN (ZAJ)
 RUDESHUR (RUS)
 VARAMIN (VR)
 DEHNAMAK (DHN)

UR674 SABEL 185158N 0520339E
 LOTEL 180926N 0514103E
 PASUL 180341N 0513803E
 GOGRI 170752N 0510857E
 OBTAS 164633N 0505756E
 RARBA 161021N 0503920E
 UKORA 152407N 0501547E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

NAKAD 150056N 0500402E
DANAN 144010N 0495334E
XABIL 142924N 0494809E
EMABI 141627N 0494139E
PAXED 135027N 0492759E
DEMGO 120258N 0483040E

R775 LUXOR (LXR) 254458N
0324607E
DEDLI 2242 32N 03737 19E
KING ABDULAZIZ (JDW)
TOKTO 194421N 00395945E
DANAK 1608.0N 04129.0E
(ASSAB) SB

UR775 LUXOR (LXR) 254458N
0324607E
DEDLI 2242 32N 03737 19E
KING ABDULAZIZ (JDW)
TOKTO 194421N 00395945E
DANAK 1608.0N 04129.0E
(ASSAB) SB

R777 DANAK 1608.0N 04129.0E
SANA'A (SAA)
TAIZ (TAZ)
ARABO 1238.8N 04404.0E
TORBA 1210.6N 04402.1E

UR777 DANAK 1608.0N 04129.0E
SANA'A
TAIZ
ARABO 1238.8N 04404.0E
TORBA 1210.6N 04402.1E

R784 SHARJAH (SHJ)
ORSAR 2604.5N 05357.5E
DURSI 2712.3N 05201.7E
IMDAT 2740.0N 05113.0E
ALNIN 2840.9N 05001.6E
NANPI 290457N 0493157E
SIDAD 295231N 0482944E
PUSMO 304444N 0473547E
ALVET 313500N 0471500E
ITSOP 330422N 0454208E
GONSI 332622N 0451837E
SIGNI 340006N 0444200E
RAMPI 351642N 0435618E
KATOT 360000N 0432700E
KABAN 3715.0N 04239.0E
(SHRT) SRT

UR784 SHARJAH (SHJ)
ORSAR 2604.5N 05357.5E
DURSI 2712.3N 05201.7 E
IMDAT 2740.0N 05113.0E
ALNIN 2840.9N 05001.6E
NANPI 290457N 0493157E
SIDAD 295231N 0482944E
PUSMO 304444N 0473547E
ALVET 313500N 0471500E
ITSOP 330422N 0454208E
GONSI 332622N 0451837E
SIGNI 340006N 0444200E
RAMPI 351642N 0435618E
KATOT 360000N 0432700E
KABAN 3715.0N 04239.0E
(SHRT) SRT

R784 KUGOS 4246.8N 03405.3E
M860 SINOP (SIN)
CARSAMBA (CRM)

UR784 KUGOS 4246.8N 03405.3E
UM860 SINOP (SIN)
CARSAMBA (CRM)

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

SRT 3754.6N 04152.9E
KABAN N371456N 0423859E
EMIDO 364411.33N 042 56 00E
SEVKU 360548.02N 0431715.84E
UMESA 351741.49N 0434306.89E
TAGRU 342958.95N 0440816.67E
PUTSI 333200N E044 3700E
ITOVA 331950.91N 0444 28.97E
SEPTU 331300N 0444400E
LONOR 323838.63N 0450458.48E
ULIMA 321500N 0451600E
ITBIT 314735.20N 045 2916.57E
RUGIR 303219.06N 046 0618.20E
MOBIS 295108.84N 047 0457.39E
Proposed Designator (M860)

SRT 3754.6N 04152.9E
KABAN N371456N 0423859E
EMIDO 364411.33N 042 56 00E
SEVKU 360548.02N 0431715.84E
UMESA 351741.49N 0434306.89E
TAGRU 342958.95N 0440816.67E
PUTSI 333200N E044 3700E
ITOVA 331950.91N 0444 28.97E
SEPTU 331300N 0444400E
LONOR 323838.63N 0450458.48E
ULIMA 321500N 0451600E
ITBIT 314735.20N 045 2916.57E
RUGIR 303219.06N 046 0618.20E
MOBIS 295108.84N 047 0457.39E
Proposed Designator (M860)

R785 TURAIF (TRF)
ZELAF 3257.0N 03800.0E
KARIATAIN (KTN)
BANIAS
NIKAS 3511.6N 03543.0E

UR785 TURAIF (TRF)
ZELAF 3257.0N 03800.0E
KARIATAIN (KTN)
BANIAS
NIKAS 3511.6N 03543.0E

R794 ULDUS 3810.0N 05020.0E
NOSHAHR (NSR)
DEHNAMAK (DHN)
TABAS (TBS)
BIRJAND (BJD) * Note 5 (OI)

UR794 ULDUS 3810.0N 05020.0E
NOSHAHR (NSR)
DEHNAMAK (DHN)
TABAS (TBS)
BIRJAND (BJD) * Note 5 (OI)

R799 ~~SILPA 184953N 0510158E~~
~~PATAP 152744N 0532929.5E~~
IMPOS 183136N 0511848 E
PASUL 180341N 0513803E
TONRO 165850N 0522235E
ASMAK 162327N 0524634E
ENADO 153333N 0532015E

UR799 ~~SILPA 184953N 0510158E~~
~~PATAP 152744N 0532929.5E~~
IMPOS 183136N 0511848 E
PASUL 180341N 0513803E
TONRO 165850N 0522235E
ASMAK 162327N 0524634E
ENADO 153333N 0532015E

T214 MOBON 274414N 0552513E
DARAX 260916N 0555307E
Proposed Designator N440

UT214 MOBON 274414N 0552513E
DARAX 260916N 0555307E
Proposed Designator N440

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

T559 HAZEM 3214.0N 03638.0E
MAZAR 3048.0N 03610.0E
GIBET 2926.3N 03625.0E
TABUK (TBK)
WEJH (WEJ)
Proposed Designator (M449)

UT555 KING KHALED (KIA)
OTAMA 235148N 0494707E
KUTNA 231341N 0512730E
KITAP 224928N 0522923E
TOKRA 220925N 0553350E
Proposed Designator (UM440)

UT559 HAZEM 3214.0N 03638.0E
MAZAR 3048.0N 03610.0E
GIBET 2926.3N 03625.0E
TABUK (TBK)
WEJH (WEJ)
Proposed Designator (UM449)

UT888 BAYIR 383541N 0412414 E
TOKSU 382102 N 0414934E
KISSET 375133N 0423936E
NINVA 372100N 0431300E
ROXOP 364917N 0433100E
VUSEB 3616 37N E0434800E
OTALO 351700N 0441900E
RIDIP 343012N 0444027E
UKMUG 334300N 0450329E
VAXEN 3318 00N 0451500E
PAPUS 325334N 0452706E
KATUT 323737N 0453439E
DENKI 322228.46N 0455121.58E
ILMAP 31 21 33N 0465702E
PEBAD 305023.09N 0472958.49E
SIDAD 295231N 0482944E
Proposed Designator (UM688)

W11 MILAD 320201N 0310406E
LAKTO 323800N 0320500E
Proposed Designator (N307)

UW11 MILAD 320201N 0310406E
LAKTO 323800N 0320500E
Proposed Designator (UN307)

V45 KING FAHAD
KUSAR 264741N 0490218E
ITIXI 275031N 0470435E
Proposed Designator (M691)

UV45 KING FAHAD
KUSAR 264741N 0490218E
ITIXI 275031N 0470435E
Proposed Designator (UM691)

W616 GIBAL 243712N 0363442E
MEMPO 252518N 0335457E

UW616 GIBAL 243712N 0363442E
MEMPO 252518N 0335457E

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
LOWER AIRSPACE	

Designation Désignation Designación	Significant points Points significatifs Puntos significativos
1	2
UPPER AIRSPACE	

LUXOR (LXR)
KING ABDULAZIZ (JDW)
Proposed Designator (M686)

LUXOR (LXR)
KING ABDULAZIZ (JDW)
Proposed Designator (UM686)

W3 **ANTAR 334800N 0281600E**
EL DABA (DBA) 310041N
0282801E
Proposed Designator (L551)

UW3 **ANTAR 334800N 0281600E**
EL DABA (DBA) 310041N
0282801E
Proposed Designator (UL551)

V164 **KING KHALID**
KINIB 254108N 0482317E
KING FAHAD
Proposed Designator (N687)

V617 **DAHRAN**
BAHRAIN
TORNA 263336N 0504212E
ALSER 271100N 0504900E
Proposed Designator (P425)

V919 **DOHA (DOH)**
BAYAN 252926N 0514849E
MIDSI 264142N 05155442E
Proposed Designator (P430)

V997 **BUNDU 250024N 0522924E**
BATHA 241257N 0512707E
ALAHSA 251645N 0492903E
Proposed Designator (P693)

W23 **KING KHALD (KIA)**
TORKI 261400N 0463103E
SIBLI 265459N 0462334E
AKODI 275012N 0461320E
JEDDAH FIR
HAFR AL BATIN 281949N
0460746E
Proposed Designator (N694)

ARN TF/3
Appendix 3B to the Report on Agenda Item 3

ATS route proposals made by Iraq

DESCRIPTION OF ATS ROUTE PROPOSAL	DECISION
M320 (KUWAIT – MOBIS - RAPLU)	<ul style="list-style-type: none"> - Not supported by Kuwait at present - Needs further studies - To be further discussed in the ARN TF/3 meeting
W3 (MUTEN - SODUG)	<ul style="list-style-type: none"> - Not supported by Turkey - Iraq to withdraw this route from the AIP - Iraq to further coordinate with Turkey and Iran - To be referred to the ARN TF/3 meeting for further discussions
G669 (NISER –SOLAT)	<ul style="list-style-type: none"> - Not supported by Kuwait at present - Kuwait will carry out further study - To be referred to the ARN TF/3 meeting for further discussions
G667 (ABADAN - ALSAN)	<ul style="list-style-type: none"> - Not supported by Kuwait at present - Kuwait will carry out further study - To be referred to the ARN TF/3 meeting for further discussions
A424 (LOTAN - LOVEK)	<ul style="list-style-type: none"> - Saudi Arabia has no objections to extend the route in Baghdad FIR - Proposed AIRAC date 1 July 2010
R652 (OVANO - DAXAN)	<ul style="list-style-type: none"> - Not supported by Jordan - ATS route R652 is in close proximity with ATS route UR785 that would cause traffic conflict - To be referred to the ARN TF/3 meeting for further discussions
G665 (ABADAN - ARAR)	<ul style="list-style-type: none"> - To be referred to the ARN TF/3 meeting for further discussions
J222 (ALSOX - SOKA)	<ul style="list-style-type: none"> - Not supported by Syria - ATS route J222 is in close proximity with ATS route UR785 that would cause traffic conflict - Iraq was asked to reconsider to join the ATS route with G202 and change the route designator. - To be referred to the ARN TF/3 meeting for further discussions
W8 (DEIR - ZZOR - SANANDAJ)	<ul style="list-style-type: none"> - Syria to discuss proposal with Military - To be referred to the ARN TF/3 meeting for further discussions
UT888 (NINVA - SIDAD)	<ul style="list-style-type: none"> - the main problem with these routes is the direction of traffic flow, which is different between the EUR Region and the MID Region. - It was recognized that this issue is directly linked to RVSM implementation in the Baghdad FIR.

DESCRIPTION OF ATS ROUTE PROPOSAL	DECISION
R784 (KABAN - MOBIS)	<ul style="list-style-type: none">- the main problem with these routes is the direction of traffic flow, which is different between the EUR Region and the MID Region.- It was recognized that this issue is directly linked to RVSM implementation in the Baghdad FIR.- there is a difference in the description of the ATS Route R784 (trajectory) between the Iraq AIP and the MID Basic ANP (ATS 1 Table) and agreed to refer this to the ARN Task Force for further consideration.

ARN TF/3
Appendix 3C to the Report on Agenda Item 3

AMENDMENT PROPOSAL

PROPOSAL FOR AMENDMENT OF ICAO MID BASIC AIR NAVIGATION PLAN

(Serial No. MID 08/XX - ATS) (For ICAO Secretariat)

Name of proponent State EGYPT

Name of focal point)Mr. Mohsen ELAgaty

- a) **Plan:** MID Basic Air Navigation Plan
- b) **Proposed amendment:** Editorial note: Amendments are arranged to show “deleted text” using strikethrough (~~text to be deleted~~), and “added text” with grey shading (text to be inserted).

- 1) **Add** requirements for ATS routes as follows:

A1 METRU (FIR BDRY)
340000N 0250900E
SOKAL
323601N 0273706E
KATEX
320701N 0282436E
BOPED
312939N 0292655E
ALEXANDRIA VOR/DME "AXD"
311113N 0295701E
MENKU
310531N 0301806E
CAIRO DVOR/DME " CVO"
300532N 0312318E

A16 RASDA (FIR BDRY)
330600N 0305700E
MILAD
320201N 03104406E
BALTIM VOR/DME "BLT"
313144N 0311035E
DEGDI
311429N 0311035E
CAIRO DVOR/DME "CVO"
300532N 0312318E

B12

TANSA (FIR BDRY)
340000N 0264900E

SOKAL
323601N 0273706E

EL DABA VOR/DME "DBA"
310041N 0282801E

KATAB
292501N 0290506E

BOPOS
264318N 0300722E

DEPNO
262438N 0301413E

EL KHARGA VOR/DME "KHG"
252654N 0303527E

ABU SIMBEL DVOR/DME "SML"
222118N 0313719E

B418

SEMRU
280200N 0320306E

HURGHADA VOR/DME "HGD"
271040N 0334747E

SILKA (FIR BDRY)
263400N 0352900E

G400

KUMBI(FIR BDRY)
334250N 0284500E

LABNA
321956N 0301612E

BALTIM VOR/DME "BLT"
313144N 0310721E

L300/W616

GIBAL (FIR BDRY)
243712N 0363442E

MEMPO
252518N 0335457E

LUXOR VOR/DME "LXR"
254458N 0324607E

L617/UL617 ALEXANDRIA VOR/DME "AXD"
311113N 0295701E
IMIRT
313259N 0293346E
ASNIR
323849N 0282144E
TANSA (FIR BDRY)
340000N 0264900E

P557 KATAB
292501N 0290506E
MISUK
290507N 0290621E
TUDSI
264114N 0300128E
DAVIX
262034N 0300904E
AVIVA
252818N 0302029E
IMLAX
252924N 0302704E
VUTAB
252648N 0302802E
DESDO
251932N 0303034E
ORLEX
225732N 0311859E
ALKED
222152N 0313052E
NUBAR (FIR BDRY)
220000N 0313806E

R2 ATMUL (FIR BDRY)
220000N 0290527E
TULOP
252209N 0262226E
DITAR (FIR BDRY)
265903N 0250000E

UL 612 METRU (FIR BDRY)
340000N 0250900E
KANAR
322727N 0265330E
EL DABA VOR/DME "DBA"
310041N 0282801E

UM999 DITAR (FIR BDRY)
265903N 0250000E
NAKDO
260554N 0282103E
DAMPO
254707N 0292708E
IMLAX
252924N 0302707E
ELKHARGA VOR/DME "KHG"
252654N 0303527E
KUNAK
252745N 0304112E
EMENA
253749N 0315147E
LUXOR VOR/DME "LXR"
254458N 0324607E
ELELI
251854N 0332934E
SEDVA
235813N 0354006E
DASPA
230121N 0370841E
DEDLI (FIR BDRY)
224232N 0373719E

W3 ANTAR (FIR BDRY)
334800N 0281600E
GESAD
325641N 0282006E
ASNIR
323849N 0282144E
KATEX
320701N 0282436E
EL DABA VOR/DME "DBA"
310041N 0282801E

W11

MILAD
320201N 0310406E
LAKTO (FIR BDRY)
323800N 0320500E

- e) **Intended date of implementation:** As soon as practicable after approval.
- f) **Proposal circulated to following States and organizations:**
- Afghanistan
 - Bahrain
 - Cyprus
 - Egypt
 - Iran, Islamic Republic of
 - Iraq
 - Israel
 - Jordan
 - Kuwait
 - Lebanon
 - Libyan Arab Jamahiriya
 - Oman
 - Pakistan
 - Qatar
 - Saudi Arabia
 - Sudan
 - Syrian Arab Republic
 - United Arab Emirates
 - United States of America
 - Yemen
 - IATA
 - IFALPA
- g) **Originator' Comments:** The changes proposed herein are the result of work undertaken by the MIDANPIRG Subsidiary Bodies the Middle East Offices of ICAO and individual States in the Region to enhance traffic flows and ATS route efficiencies.

TABLE ATS 1 – ATS ROUTES
TABLEAU ATS 1 – ROUTES ATS
TABLA ATS 1 – RUTAS ATS

EXPLANATION OF THE TABLE

Column

- 1** Designator of ATS route.
- 2** Significant points defining the ATS routes. Only prominent locations have been listed. Additional points where facilities are provided to complete navigational guidance along a route, but not otherwise marking significant characteristics of the route (change of heading of centre line, intersection with other routes, etc.) have normally not been included. Locations shown in parentheses indicate significant points outside the Region.

Note 1. Not representing the operator's requirements. Operator's required route and/or nav aids are shown in square brackets ([]).

Note 2. Subject to further study. Including the associated navigation aid coverage.

Note 3 Subject to military agreement. Note 4. Not acceptable at present.

Note 5. At present, implementation possible only during specific periods (e.g. weekends, nights, etc., as published).

Note 6. At present, implementation of the RNAV route only possible above FL 300, or as published.

Note 7. Unidirectional use.

Whenever reference to name States is made in Table ATS 1 in connection with the above notes, the following abbreviations, based on those indicated in Location Indicators (Doc 7910), are used:

HE	Egypt
HL	Libyan Arab Jamahiriya
HS	Sudan
LC	Cyprus
LL	Israel
OA	Afghanistan
OB	Bahrain
OE	Saudi Arabia
OI	Iran, Islamic Republic of
OJ	Jordan
OK	Kuwait
OL	Lebanon
OM	United Arab Emirates
OO	Oman
OP	Pakistan
OR	Iraq
OS	Syrian Arab Republic
OT	Qatar
OY	Yemen

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
A416	TABRIZ	UA416	TABRIZ
	ARDABIL		ARDABIL
	RASHT		RASHT
	NOSHAHR		NOSHAHR
	DASHTE NAZ		DASHTE NAZ
	SABZEVAR		SABZEVAR
	MASHHAD		MASHHAD
	SOKAM 331316N 0603754E		SOKAM 331316N 0603754E
A418	KUMUN 254000N 0551515E	UA418	KUMUN 254000N 0551515E
	PAPAR 2640N 05427E* Note 7		PAPAR 2640N 05427E* Note 7
	Segment KUMUN PAPAR(OI and OM)		Segment KUMUN PAPAR(OI and OM)
	SHIRAZ		SHIRAZ
	SHIRAZ		SHIRAZ
	DAPER 244522N 0454731E		DAPER 244522N 0454731E
A419	(ASHGABAT)	UA419	(ASHGABAT)
	RIKOP 3740.0N 05814.8E		RIKOP 3740.0N 05814.8E
	SABZEVAR		SABZEVAR
	TABAS		TABAS
	DARBAND		DARBAND
	KERMAN		KERMAN
	BANDAR ABBAS		BANDAR ABBAS
	DARAX 260942N 0555300E		DARAX 260942N 0555300E
	SHARJAH		SHARJAH
	MIADA 245112N 0545736E		MIADA 245112N 0545736E
	MEMBI 243705N 0542631E *See		MEMBI 243705N 0542631E *See
	Note 4 for segment KITAP- MEMBI		Note 4 for segment KITAP- MEMBI
	KITAP 224928N 0522923E		KITAP 224928N 0522923E
	PURDA 210805N 0510329E		PURDA 210805N 0510329E
	ASTIN 200410N 0495320E		ASTIN 200410N 0495320E
	KUTMA 182927N 0481202E		KUTMA 182927N 0481202E
	SHARURAH (SHA)		SHARURAH (SHA)
	SANA'A		SANA'A
	HODEIDA		HODEIDA

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
A422	UROMIYEH TABRIZ PARSABAD (BAKU)	UA422	UROMIYEH TABRIZ PARSABAD (BAKU)
A453	KABUL GHAZNI KANDAHAR ZAHEDAN BANDAR ABBAS GHESHM (KHM) BANDAR LENGEH KISH MIDSI 2641.7N05152.5E TOBLI 262134N0512301E OTATA 261843N0510052E BAHRAIN * Note 7 (OB, OI) PEBOS 262722N0503043E RULEX 264529N0501745E ALVUN 271028N0494455E SOLEM 275229N0491136E KUMBO 281705N0495526E	UA453	KABUL GHAZNI KANDAHAR ZAHEDAN BANDAR ABBAS GHESHM (KHM) BANDAR LENGEH KISH MIDSI 2641.7N05152.5E TOBLI 262134N0512301E OTATA 261843N0510052E BAHRAIN * Note 7 (OB, OI) PEBOS 262722N0503043E RULEX 264529N0501745E ALVUN 271028N0494455E SOLEM 275229N0491136E KUMBO 281705N0495526E
A788	BAH/KWI FIR BOUNDARY HALAIFAH HAIL HAFR AL BATIN *Note 7 WAFRA 2837. 3N 04757. 5E PATIR 285606N 0492923E KAPIP 290217N 0500054E BUSHEHR KHARK (KHG) SHIRAZ	UA788	BAH/KWI FIR BOUNDARY HALAIFAH HAIL HAFR AL BATIN *Note 7 WAFRA 2837. 3N 04757. 5E PATIR 285606N 0492923E KAPIP 290217N 0500054E BUSHEHR KHARK (KHG) SHIRAZ
A791	SISIK 2936.0N 03241.E NUWEIBAA KITOT 2902.1N 03450.8E *Note 7 (OE) SOBAS 2756.0N 03904.9E HAIL KING FAHD BAHRAIN *Note 7 Bahrain-	UA791	SISIK 2936.0N 03241.E NUWEIBAA KITOT 2902.1N 03450.8E *Note 7 (OE) SOBAS 2756.0N 03904.9E HAIL KING FAHD BAHRAIN *Note 7 Bahrain-

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
	LOTIT 264856N0511237E		LOTIT 264856N0511237E
	RATUN 2646.2N 05108.0E		RATUN 2646.2N 05108.0E
	SHARJAH		SHARJAH
	IMLOT 2517.1N 05708.1E		IMLOT 2517.1N 05708.1E
	(JIWANI)		(JIWANI)
B121	RUDESHUR(RUS)	UB121	RUDESHUR(RUS)
	RASHT(RST)		RASHT(RST)
	MEGRI(MGR)		MEGRI(MGR)
	MAGRI 385408N 0462300E		MAGRI 385408N 0462300E
B411	METSA 2930.0N 03500.0E	UB411	METSA 2930.0N 03500.0E
	AL SHIGAR* Notes2 and 3		AL SHIGAR* Notes2 and 3
	ARAR		ARAR
	LOVEK 3222.1N 04440.0E		LOVEK 3222.1N 04440.0E
	NOLDO 3249.5N 04521.5E		NOLDO 3249.5N 04521.5E
	PAXAT332056N 0460519E		PAXAT332056N 0460519E
	ILAM		ILAM
	MALAYER		MALAYER
	KERMANSHAH(KMS)		KERMANSHAH(KMS)
	SAVEH		SAVEH
	[TEHRAN] * Note 1		[TEHRAN] * Note 1
	DEHNAMAK		DEHNAMAK
	MASHHAD		MASHHAD
B416	KUWAIT	UB416	KUWAIT
	TESSO 282852N0492723E		TESSO 282852N0492723E
	GEVAL 283625N0492722E		GEVAL 283625N0492722E
	KUVER 280924N0500600E		KUVER 280924N0500600E
	IMDAT 2741.0N 05111.0E		IMDAT 2741.0N 05111.0E
	ORSAR 2604.5N 05357.5E		ORSAR 2604.5N 05357.5E
	SHARJAH		SHARJAH
B417	MAHSHAHR	UB417	MAHSHAHR
	TULAX 2938 53N 04903 01E		TULAX 2938 53N 04903 01E
	DESLU 2928.0N 04901.8E		DESLU 2928.0N 04901.8E
	ALVIX 2919.3N04824.2E		ALVIX 2919.3N04824.2E
	KUWAIT*See Note 3		KUWAIT*See Note 3
	HAFR AL BATIN		HAFR AL BATIN
	GASSIM		GASSIM
	KING ABDULAZIZ		
B441	(ASHGABAT FIR)	UB441	(ASHGABAT FIR)

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
	OTRUZ 363108N 0610956E		OTRUZ 363108N 0610956E
	MASHHAD		MASHHAD
	BIRJAND		BIRJAND
	NABOD 281630N 0582601E		NABOD 281630N 0582601E
B451	DEHNAMAK	UB451	DEHNAMAK
	BOJNORD (BRD)		BOJNORD (BRD)
	DOLOS 375006N 0580200E		DOLOS 375006N 0580200E
	(ASHGABAT)		(ASHGABAT)
G202	(VELOX 3349.0N 03405.0E)	UG202	(VELOX 3349.0N 03405.0E)
	SILKO 3347.9N 03435.0E		SILKO 3347.9N 03435.0E
	KHALDEH* Note 4 (OS)		KHALDEH* Note 4 (OS)
	DAKWE 3338.9N 03555.0E		DAKWE 3338.9N 03555.0E
	DAMASCUS		DAMASCUS
	TANF		TANF
	MODIK 3328.1N 03901.0E		MODIK 3328.1N 03901.0E
	RAPLU 3323.0N 04145.5E		RAPLU 3323.0N 04145.5E
	PUSTO 3321.0N 04245.0E		PUSTO 3321.0N 04245.0E
	BGD		BGD
	PARUN 3324.2N 04502.0E		PARUN 3324.2N 04502.0E
	RAGET 3330.8N 04553.8E		RAGET 3330.8N 04553.8E
	ILAM		ILAM
	KHORAM ABAD		KHORAM ABAD
	ESFAHAN		ESFAHAN
	NODLA		NODLA
	BIRJAND		BIRJAND
	KAMAR 3239.0N 06044.0E		KAMAR 3239.0N 06044.0E
	DILARAM		DILARAM
	KANDAHAR		KANDAHAR
	(ZHOB)		(ZHOB)
	(RAHIM YAR KHAN)		(RAHIM YAR KHAN)
G208	(PANJGUR)	UG208 ????	(PANJGUR)
	KEBUD 273558N 0625028E		KEBUD 273558N 0625028E
	ZAHEDAN		ZAHEDAN
	DARBAND		DARBAND
	NODLA 325330N 0545850E		NODLA 325330N 0545850E
	ANARAK		ANARAK
	TEHRAN		TEHRAN
	ZANJAN		ZANJAN
	UROMIYEH		UROMIYEH
	ALRAM 3743.0N 04437.0E		ALRAM 3743.0N 04437.0E
	(SIIRT)		(SIIRT)

Designation	Significant points	Designation	Significant points
Lower airspace		Upper airspace	
G452	SHIRAZ KERMAN ZAHEDAN (RAHIMYAR KHAN)	UG452	SHIRAZ KERMAN ZAHEDAN (RAHIMYAR KHAN)
G663	KING KHALID KING FAHD SHIRAZ YAZD TABAS MASHAD	UG663	KING KHALID KING FAHD SHIRAZ YAZD TABAS MASHAD
G665	ARAR ABADAN SHIRAZ * Note 5 (OI) NABOD 2816.1N 05825.8E ASVIB 265724N 0631812E (PANJGUR)	UG665	ARAR ABADAN SHIRAZ * Note 5 (OI) NABOD 2816.1N 05825.8E ASVIB 265724N 0631812E
G666	SHIRAZ * Note 7 (OI) LAMERD LAVAN * Note 7 (OI) ORSAR 2604 .5N 05357.5E DESDI 2536.1N 05442.5E MIADA 245112N 0545736E ABU DHABI (AUH)	UG666	SHIRAZ * Note 7 (OI) LAMERD LAVAN * Note 7 (OI) ORSAR 2604 .5N 05357.5E DESDI 2536.1N 05442.5E MIADA 245112N 0545736E ABU DHABI (AUH)
G667	PUTMA 3748.0N 05157.6E NOSHAHR TEHRAN SAVEH AHWAZ ABADAN ALSAN 295707N 0481456E FALKA KUWAIT WAFRA MAGALA KING KHALID WADI AL DAWASIR NEJРАН SANA'A PARIM 123142.7N 0432712E (DJIBOUTI)	UG667	PUTMA 3748.0N 05157.6E NOSHAHR TEHRAN SAVEH AHWAZ ABADAN ALSAN 295707N 0481456E FALKA KUWAIT WAFRA MAGALA KING KHALID WADI AL DAWASIR NEJРАН SANA'A PARIM 123142.7N 0432712E (DJIBOUTI)

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
G669	SOLAT 290942N 0463810E *Note 3 (OK)	UG669	SOLAT 290942N 0463810E *Note 3 (OK)
	KUWAIT		KUWAIT
	SESRA 290803N 0485453E		SESRA 290803N 0485453E
	NANM P I 290457N 0493157E		NANM P I 290457N 0493157E
	KHARK(KHG)		KHARK(KHG)
	SHIRAZ		SHIRAZ
G670	RASHT	UG670	RASHT
	LALDA 3817.1N 04943.0E (BAKU)		LALDA 3817.1N 04943.0E (BAKU)
G671	TANF	UG671	TANF
	HAWIJA		HAWIJA
	MOSUL		MOSUL
	UROMIYEH * Notes 2 and 3		UROMIYEH * Notes 2 and 3
G775	(ASHGHABAT)	UG775	(ASHGHABAT)
	ORPAB 3742N 05834.5E		ORPAB 3742N 05834.5E
	MASHHAD		MASHHAD
	[BIRJAND] * Note 1		[BIRJAND] * Note 1
	ZAHEDAN		ZAHEDAN
G781	(VAN)	G781	(VAN)
	BONAM 3802.9N 04418.0E		BONAM 3802.9N 04418.0E
	UROMIYEH		UROMIYEH
	ROVON 3716 01N 0455322E		ROVON 3716 01N 0455322E
	ZANJAN		ZANJAN
	NOSHAHR(NSR)		NOSHAHR(NSR)
G792	(TURKMENBASHI)	UG792	(TURKMENBASHI)
	MASHHAD		MASHHAD
	CHARN 3510.0N 06108.0E		CHARN 3510.0N 06108.0E
	HERAT		HERAT
	KANDAHAR		KANDAHAR
	ASLUM 3101N 06637E		ASLUM 3101N 06637E
	(RAHIM YAR KHAN)		(RAHIM YAR KHAN)
		UL124	(VAN)

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
			BONAM
			URUMIYEH (UMH)
			ZANJAN(ZAJ)
			SAVEH (SAV)
			DISEL 332904N 0510118E
			YAZD(YZD)
			KERMAN(KER)
			KEBUD 273558N 0625028E (PANJGUR)
		UL125	DULAV 3857N 04537.9E
			TABRIZ (TBZ)
			ZANJAN
			PAROT 360940N 0495756E
			TEHRAN
			ANARAK
			DARBAND
			ZAHEDAN
			DANIB 290706N 0611717E
			KEBUD 273558N 0625028E (PANJGUR)
L126	PUSTO 3321.0N 04245.0E	UL126	PUSTO 3321.0N 04245.0E
	SOGUM 3412.2N 04354.9E		SOGUM 3412.2N 04354.9E
	MIGMI 3345.9N 04527.4E		MIGMI 3345.9N 04527.4E
	ILAM		ILAM
		UL223	UROMIYEH
			SANANDAJ
			KHORAM ABAD
			MESVI 312920N 0495701E
			LAMERD
			SIRRI * Note 7 (OI, OM)
			NALTA 250242N 0553955E
			TARDI 243418N 0560915E
			LAKLU 232235N 05704 01E
		UL333	DASIS
			TABRIZ
			RASHT
			ORSOK 362236N 0523020E
			AMBEG 351737N 0553059E
			TASLU 342632N 0574234E
			SOKAM 331316N 0603754E

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
M552	(RAHIM YAR KHAN) BIRJAND (BJD) DEHNAMAK(DHN) TEHERAN (TRN) ZANJAN TABRIZ (TBZ)	UM552	(RAHIM YAR KHAN) BIRJAND (BJD) DEHNAMAK(DHN) TEHERAN (TRN) ZANJAN TABRIZ (TBZ)
M561	KISH MOBET 2645.3N 05609.8E ASVIB 265724N 0631812E PANJGUR	UM561	KISH MOBET 2645.3N 05609.8E ASVIB 265724N 0631812E PANJGUR
		UM573	TEHERAN (TRN) TABRIZ (TBZ)
		UN319	ZAHEDAN TABAS (TBS) DASHT-E-NAZ (DNZ) ULDUS- 3800.0N 05101.0E
		UP146	RASHT AGINA 3919.4N 04405.2E (AGRI)
		UP567	BIRJAND ODKAT 3540.6N 05457.2E DASHT-E- NAZ (DNZ) 3638.7N 05311.4E (ULDUS -3800.0N 05101.0E)
		UP574	(BELGAUM) (BISET- 1823.4N 06918.1E) TOTOX 215030N 0622230E * Note 7 (OO) KUSRA 231726N 0585102E MIBSI 234138N 0575525E LUDAL 235023N 0574305E SOLUD 243223N 0564421E GISMO 244743N 0562236E BUBIN 245742N 0560642E

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
			KUMUN 254000N 0551512E
			* Note 7 (KUMUN PAPAR)
			PAPAR 264000N 0542700E
			DAPER 254522N 0545731E
			SHIRAZ
			ESFAHAN
			TEHRAN SAVEH(SAV)
			ULDUS 3800.0N 05101.0E
R205	ANARAK	UR205	ANARAK
	BIRJAND		BIRJAND
R462	(JIWANI)	UR462	(JIWANI)
	DENDA 2442.5N 06054.8E		DENDA 2442.5N 06054.8E
	VUSET 235540N 0590812E		VUSET 235540N 0590812E
	MIBSI 234139N 0575523)		MIBSI 234139N 0575523)
R654	ZANJAN	UR654	MEGRI
	SAVEH		MAGRI 385408N 0462300E
	ESFAHAN		ZANJAN
	YAZD		SAVEH
	KERMAN		ESFAHAN
	NABOD 2816.1N 05825.3E		YAZD
	CHAH BAHAR (CBH)		KERMAN
	EGTAL 243458N 0603724E		NABOD 2816.1N 05825.3E
	VAXIM 231900N 0611100E		CHAH BAHAR (CBH)
			EGTAL 243458N 0603724E
			VAXIM 231900N 0611100E
R658	SEEB	UR658	SEEB
	MELMI 2647.0N 05723.0E		MELMI 2647.0N 05723.0E
	BANDAR ABBAS		BANDAR ABBAS
R659	TEHRAN(TRN) *Note 7 (ISN-TRN)	UR659	TEHRAN(TRN) *Note 7 (ISN-TRN)
	BOXAM 343749N 0515147E		BOXAM 343749N 0515147E
	DAPOG 333744N 0522331E		DAPOG 333744N 0522331E
	ESFAHAN (ISN)		ESFAHAN (ISN)
	SHIRAZ		SHIRAZ
	DOHA		DOHA
	MARMI 241400N 0511330E		MARMI 241400N 0511330E
	BATHA 241257N 0512707E		BATHA 241257N 0512707E
	MIGMA 225035N 0512749E		MIGMA 225035N 0512749E

Designation	Significant points	Designation	Significant points
	Lower airspace		Upper airspace
	PURDA 210805N 0510329E		PURDA 210805N 0510329E
	ASTIN 200410N 0495320E		ASTIN 200410N 0495320E
	TULIS 173033N 0462616E		TULIS 173033N 0462616E
	TATNA 171429N 0461418E		TATNA 171429N 0461418E
	RAGNI 163454N 0454815E		RAGNI 163454N 0454815E
	LOPAD 161651N 0453738E		LOPAD 161651N 0453738E
	ITOLI 152825N 0450927E		ITOLI 152825N 0450927E
	OBNAM 144541N 0444448E		OBNAM 144541N 0444448E
	GEVEL 141229N 0442547E		GEVEL 141229N 0442547E
	NOPVO 135436N 0441536E		NOPVO 135436N 0441536E
	TAZ 134149.53N 0440818.98E		TAZ 134149.53N 0440818.98E
R660	PARIM 123142N 0432712EE	UR660	—PARIM 123142N 0432712EE
	DASIS 38 54.5N 044 12.5E		—DASIS 38 54.5N 044 12.5E
	TABRIZ		—TABRIZ
	RASHT		RASHT
	TEHRAN		TEHRAN
R661	DULAV 3857.0N 04537.9E	UR661	DULAV 3857.0N 04537.9E
	TABRIZ		TABRIZ
	ZANJAN		ZANJAN
	RUDESHUR		RUDESHUR
	VARAMIN		VARAMIN
	DEHNAMAK		DEHNAMAK
R784	SHARJAH	UR784	SHARJAH
	ORSAR2604.5N 05357.5E		ORSAR2604.5N 05357.5E
	DURSI 2712.3N 05201.7E		DURSI 2712.3N 05201.7E
	IMDAT 2740.0N 05113.0E		IMDAT 2740.0N 05113.0E
	ALNIN 2840.9N 05001.6E		ALNIN 2840.9N 05001.6E
	NANPI 290457N 049E		NANPI 290457N 049E
	SIDAD 295231N 0482944E		SIDAD 295231N 0482944E
	PUSMO 304444N 0473547E		PUSMO 304444N 0473547E
	ALVET 313500N 0471500E		ALVET 313500N 0471500E
	ITSOP 330422N 0454208E		ITSOP 330422N 0454208E
	GONSI 332622N 0451837E		GONSI 332622N 0451837E
	SIGNI 340006N 0444200E		SIGNI 340006N 0444200E
	RAMPI 351642N 0435618E		RAMPI 351642N 0435618E
	KATOT 360000N 0432700E		KATOT 360000N 0432700E
	KABAN 3715.0N 04239.0E		KABAN 3715.0N 04239.0E
	(SIIRT)		(SIIRT)
R794	ULDUZ 3810.0N 05020.0E	UR794	ULDUZ 3810.0N 05020.0E

ARN TF/3
Report on Agenda Item 4

REPORT ON AGENDA ITEM 4: FOLLOW-UP ON THE ATS ROUTE CATALOGUE ACTION ITEMS

4.1 The meeting recalled that the MIDANPIRG/11 meeting held in Cairo, 9-13 February 2009 approved the MID ATS Route Catalogue developed within the context of the ARN TF, as an ATS route development/planning tool. MIDANPIRG/11 agreed that the Catalogue will contain a list of ATS route proposals that have been agreed within the framework of the ARN TF and ATM/SAR/AIS SG.

4.2 The ATS Route Catalogue proposals are for further consideration/processing, in the near term or future, until such ATS route proposals have been processed as amendments to Table ATS-1 and approved by the ICAO Council, or agreed to be removed from the Catalogue for such reasons as being improbable, overtaken by events, or replaced by an agreed alternative. The Catalogue will be used to record and track the routes' development, and will as such be a living document updated at relevant meetings and by the Secretariat as requested. It shall not be the purpose or intention of the *MID ATS Route Catalogue*, to duplicate the ANP Table ATS-1 or its purpose. Accordingly, the MIDANPIRG/11 agreed to the following Conclusion:

CONCLUSION 11/16: MID ATS ROUTE CATALOGUE

That, in order to support the process of ATS route development in the MID Region, including the keeping of a record of ATS routes proposed for development and facilitating follow-up on the actions pertaining to the routes' development:

- a) the MID ATS Route Catalogue is adopted as at Appendix 5.2C to the Report on Agenda Item 5.2; and*
- b) MID States and concerned International Organizations are urged to periodically review the Catalogue, note developments and take action as applicable.*

4.3 The meeting noted that the ARN TF/2 meeting reviewed and updated the ATS routes in the MID ATS Route Catalogue including those proposals that were in the future list of routes approved by MIDANPIRG/10 and other meetings as at **Appendix 4A** to the Report on Agenda Item 4.

4.4 Further the meeting recalled that the ARN TF/2 meeting recognised the benefit of including in the ARN TF agenda the ATS route proposals emanating from adjacent ICAO Regions affecting interface areas of the MID Region and encouraged States to consider implementation of the route proposals as at **Appendix 4B** to the Report on Agenda Item 4.

4.5 In view of the above the ARN TF/2 meeting agreed on a draft proposal format for amendment of ICAO MID Basic Air Navigation Plan (ANP) that could be used by States for their required ATS route changes and considered that the same draft proposal for the amendment of the ICAO MID Basic Air Navigation Plan (ANP) as at **Appendix 4C** to the Report on Agenda Item 4.

4.6 The meeting also noted that the ATM/SAR/AIS SG/11 meeting held in Bahrain 10-12 November 2009 adopted Draft Conclusion which is proposed to replace and supersede MIDANPIRG/11 Conclusion 11/15 and 11/16:

ARN TF/3
Report on Agenda Item 4

*DRAFT CONCLUSION 11/1: PROPOSAL FOR AMENDMENT TO THE MID
BASIC ANP ATS-1 TABLE*

*That, the ICAO MID Regional Office issue a proposal for amendment to the MID Basic ANP in order to update the ATS-1 Table as at **Appendix 3A** to the Report on Agenda Item 3.*

4.7 EUROCONTROL briefed the meeting on the "System for traffic Assignment and Analysis at a Microscopic level" software tool (SAAM) evaluations and presented several SAAM-based analysis and theoretical findings. The presentation demonstrated the capabilities of the system.

4.8 The meeting reviewed, updated and discussed the information in the MID ATS route Catalogue as indicated in the following table:

MID/RC NUMBER	ATS ROUTE NAME	ENTRY-EXIT	DECISION
RC-001	SALWA – COPPI	SALWA – COPPI	Saudi Arabia to investigate a timed route option.
RC-002 Option 1,2 and 3	TONBA – KHG	TONBA – KHG	Egypt unable to accept route due to safety issues.
RC-004	Q707	EGNOV – SALWA	Implemented timed route.
RC-005	SALWA – LOTOS – ASTIN	SALWA – LOTOS – ASTIN	An alternate RNAV1 route was proposed, and awaiting UAE response.
RC-006	A415	DOH – SALWA – KIREN	Implemented timed route.
RC-009/10	A415	SALWA – KIREN – KIA – HSA – DOH	To be removed from the MID ATS Route Catalogue.
RC-007	SIDAD – ALVIX	SIDAD - ALVIX	Implemented to be removed from the MID ATS Route Catalogue.
RC-008/11	New parallel A/Way to UL550	UAE, Egypt and beyond	Combine both proposals.
RC-012	Gulf Region 1	UAE to MAHDI via Saudi Arabia	To be removed from the MID ATS Route Catalogue.
RC-016	New Route	Syria - Jordan and Saudi Arabia	To be removed from the MID ATS Route Catalogue.
RC-018	New Route	Jordan to Cairo via TBA - W976	State and Military issues.
RC-022	ENABI – SINGO - HAIL	ENABI – HAIL	Route is available as T540, and is to be removed from the MID ATS Route Catalogue, and entered in the ANP with an RNAV route designator.

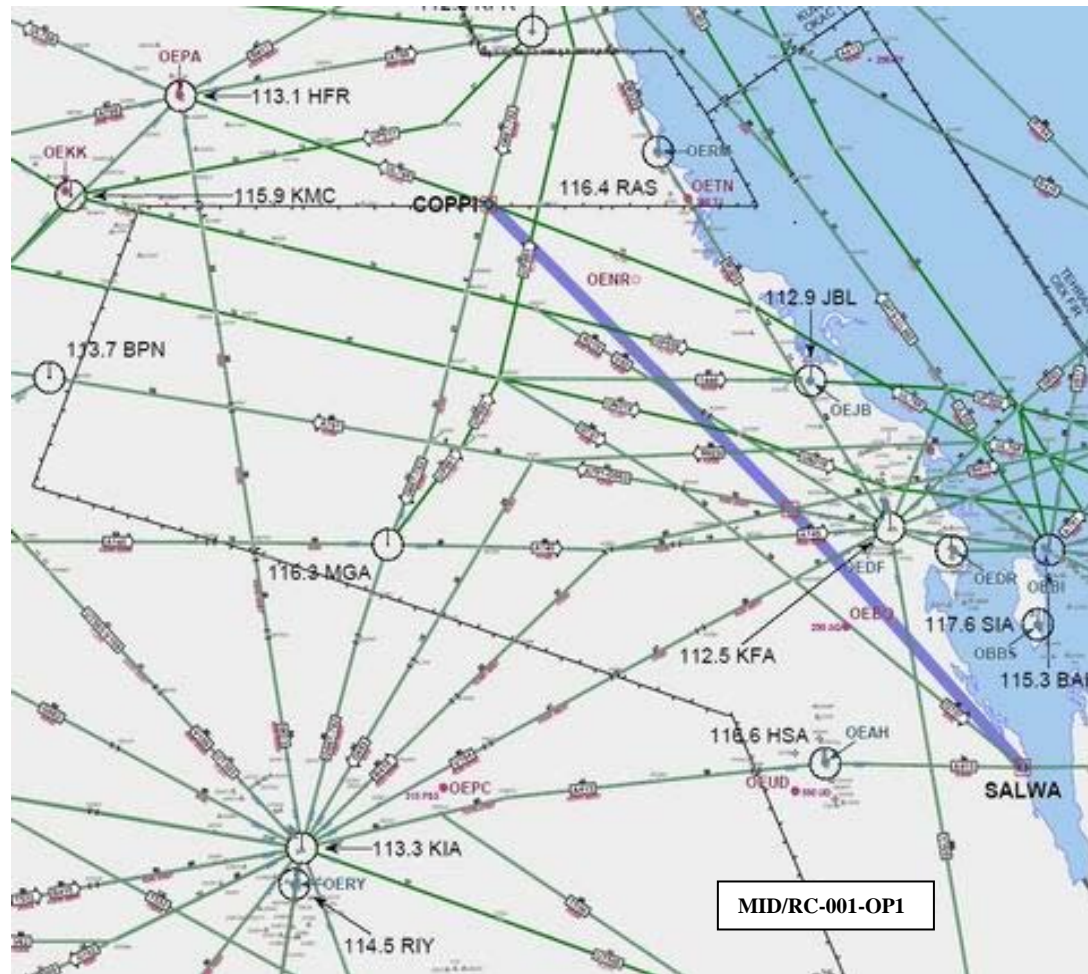
ARN TF/3
Report on Agenda Item 4

MID/RC NUMBER	ATS ROUTE NAME	ENTRY-EXIT	DECISION
RC-013	Gulf Region Eastbound	UAE -Pakistan - India and beyond	A letter to be sent to Oman requesting comments on the revised proposal to the Northern portion on RC-13.
RC-020	Replacement of IATA Proposals 3 and 9	TELEM –VAXIM PRA – TELEM	To be moved to the deferred category.
RC-021	R784	Iraq and Turkey	Implemented and to be removed from the MID ATS Route Catalogue.
RC-023	B411	MURIB - PAXAT	Implemented and to be removed from the MID ATS Route Catalogue.
RC-024	Duplicate of RC-021	Iraq and Turkey	Implemented and to be removed from the MID ATS Route Catalogue.
RC-026	W3	DZF – VAN	Turkey urged Iraq to remove the data from their AIP, and is to be moved to the deferred Category.
RC-030	UT888	NINVA – SIDAD	Implemented to be removed from the MID ATS Route Catalogue.
RC-031	W157	BND – ORBIX	A letter to be sent to Oman requesting comments on the proposal.
RC-	A424	LOTAN – LOVEK	Agreed for Implementation to be removed from the MID ATS Route Catalogue.
RC-508	New Route	ADV – ORSAR	Implemented as G666 to be removed from the MID ATS Route Catalogue.
RC-510	New Route	ADV – BAT – KIA	To be removed from the MID ATS Route Catalogue.
RC-511	New Route	ADV – BAT – DEBAS	To be removed from the MID ATS Route Catalogue.
RC-513	New Route	BALTIM – SHM	Penetrates military airspace.
RC-520	New Route	BALUS – OJAI	Implemented subject to LOA's, between Jordan - Saudi Arabia and Jordan – Syria. To be removed from the MID ATS Route Catalogue.
RC - 508	New Route	ORSAR – ADV	Implemented, to be removed from the MID ATS Route Catalogue.

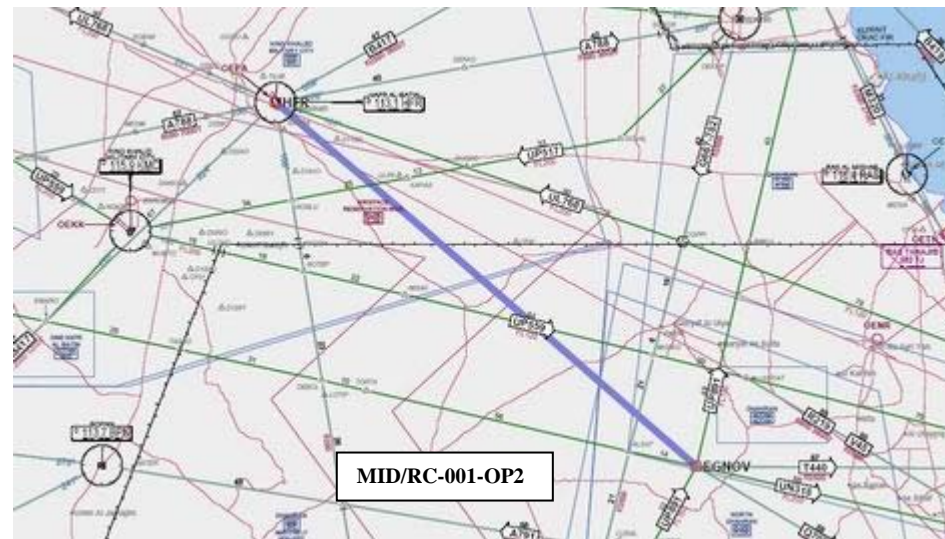
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Appendix 4A to the Report on Agenda Item 4

MID ATS ROUTES CATALOGUE

MID/RC-001 (Option 1)	ATS Route Name: New AWY between SALWA-COPPI		Entry-Exit: SALWA-COPPI		Inter-Regional Cross Reference if any		Users Priority	High URGENT		Originator of Proposal		IATA	
	Date of Proposal		ARN TF/1										
Route Description		States Concerned		Expected Implemen- tation date		Implementation Status		ANP Status		Action Taken / Required		Deadline for each Action	
SALWA (N25 15.6 E050.30.8) – COPPI (N27 50.6 E047 44.0) This route is proposed as a one way northbound to cater for departure from Doha intersection point on “A791/G663”, maybe “TANDA N26 27.1 E049 18.2” to allow traffic to transit for North African destinations		Qatar Bahrain Saudi Arabia				New ATS route.				<ul style="list-style-type: none"> - Bahrain has no objection . - Qatar has no objection however will have time restriction of 15:00 to 03:00 UTC subject to concurrence with Saudi Arabia. - Saudi Arabia needs to study the proposal further and will advise by 31 October 2008. - Still under consideration by Saudi Arabia - Pending Saudi Arabia response Secretariat will make Amendment Proposal. - Re submitted by Bahrain with indication of safety priority need. - Saudi Arabia to investigate a timed route option. 		As soon as practical	
Flight Level Band: FL200 – FL410													
Potential City Pairs: DOH to Western Europe/USA DOH to BEY, DAM, AMM DOH to North-Africa													
Conclusions/Remarks										Last updated		ARN TF/3 March 2010	



MID/RC-001 (Option 2)	ATS Route Name: New AWY Northbound EGNOV - HFR		Entry-Exit: EGNOV – HFR	Inter-Regional Cross Reference if any	Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
EGNOV (N27 03.0 E047 47.2) – HFR (N28 19.8 E046 07.8)		Bahrain Saudi Arabia		New ATS route.		Alternative to the SALWA- COPPI		
Flight Level Band: FL180 – FL410								
Potential City Pairs: DOH – Western Europe and USA DOH – BEY, DMM, AMM DOH – North Africa								
Conclusions/Remarks		This proposal benefits if Q707 can be changed to a two way AWY. The Link between EGNOV – HFR would be a one way AWY Northbound to cater for departing traffic from Doha. The real benefit of this AWY could only be achieved by extension to current opening hrs of Q707.			Alternative to the SALWA-COPPI (MID 001)		Last updated	ARN TF/2 – March 09

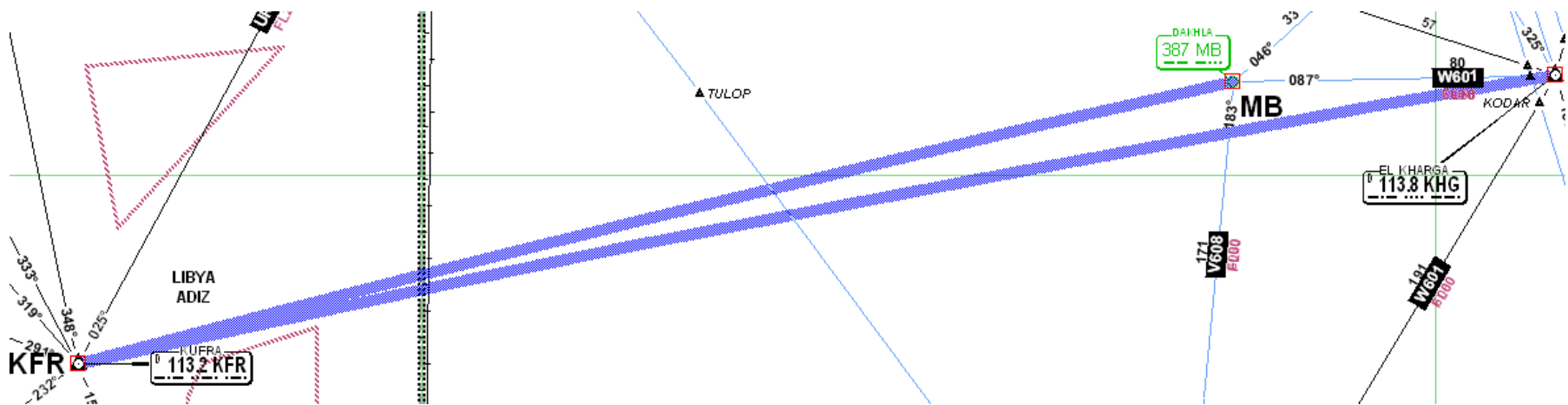


ARN TF/3-REPORT
APPENDIX 4A

4A-4

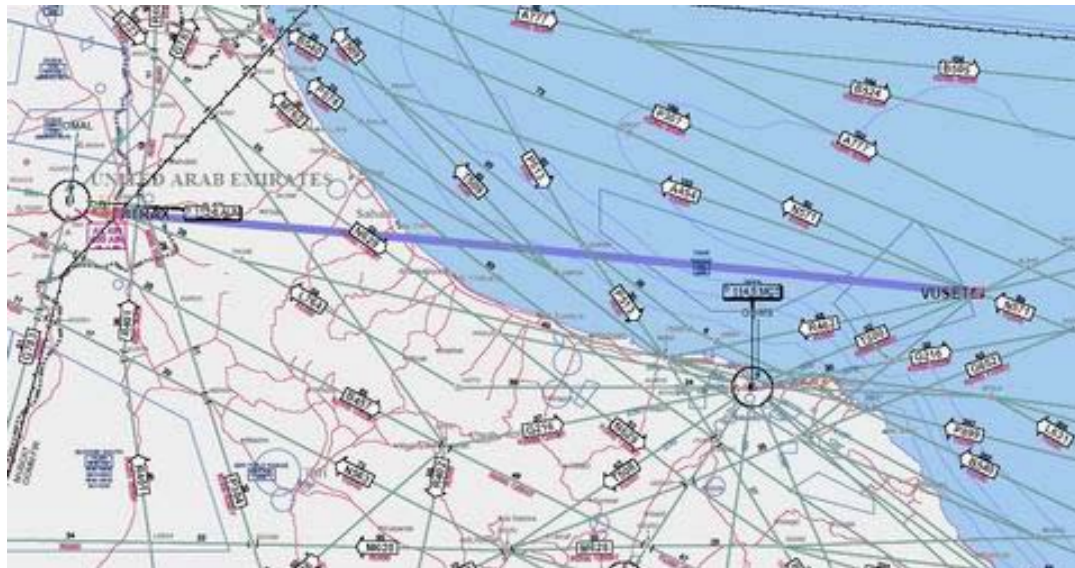
MID/RC-002 (Option1,2)	ATS Route Name: New AWY Proposed between TONBA-KHG		Entry-Exit: TONBA to KHG (Dakhla) Libya to Egypt FIR		Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
	Date of Proposal		IATA							
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required		Deadline for each Action
(Opt 1) TONBA (N21 35.3 E 0-19 51.2) KHG (N25 26.9 E030 35.4) (Opt 2) TONBA (N21 35.3 E 0-19 51.2) MB (N25 25.2 E029 00.1)		Lybia Egypt		New ATS route.				<ul style="list-style-type: none"> - Egypt highlighted that UM999 already exists and is used by 3 to 5 flights a day also that communication is being upgraded with a new station at Dakhla. - To be considered with and similarly to Proposal 2 & 4. - Egypt will coordinate with Military and Libya to establish boundary point. Route will be considered based on (traffic) demand. - Egypt unable to accept route due to safety issues. 		TBD
Flight Level Band: FL290 – FL410										
Potential City Pairs: Lagos-Doha										
Expect 50 eastbound wkly flights, saving 91000Kg of fuel and 282T of CO2 wkly. The number may double if used westbound.										
Conclusions/Remarks		Proposals 2, 4 and 5 are options to each other						Last updated		ARN TF/3 March 2010

MID/RC-002 (Option 3)	ATS Route Name: New AWY Proposed between KFR to MB (Dakhla) Or KHG	Entry-Exit: KFR to MB (Dakhla) or KHG Libya to Egypt FIR	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA	
							Date of Proposal	ARN TF/1	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action		
KFR (N24 09.2 E023 18.5) MB (N25 25.2 E029 00.1) Or KHG (N25 26.9 E030 35.4)		Lybia Egypt		New ATS route.		To be considered with and similarly to Proposal 2. - Egypt unable to accept route due to safety issues.			
Flight Level Band: FL290 – FL410									
Potential City Pairs: West Africa airports-Doha									
Conclusions/Remarks		Proposals 2, 4 and 5 are options to each other				Last updated		ARN TF/3 March 2010	



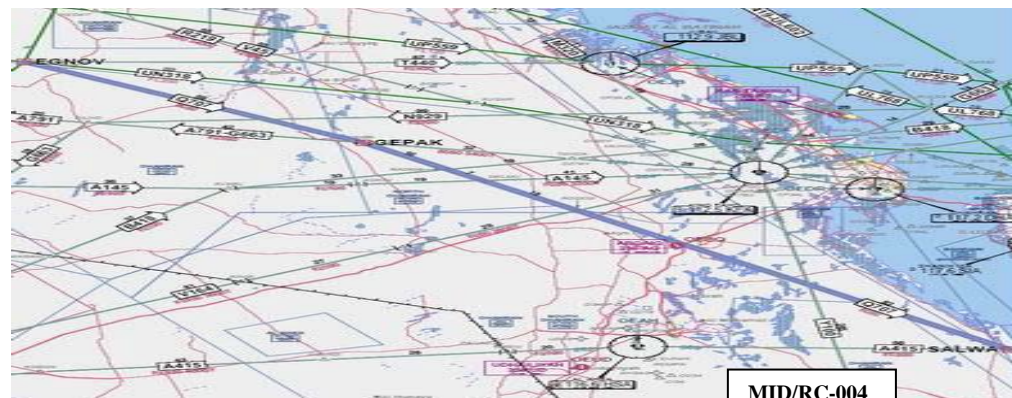
MID RC 002/OPT 3/4

MID/RC-003	ATS Route Name: New AWY – VUSET to ITRAX	Entry-Exit: VUSET – ITRAX Muscat FIR	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
VUSET – “N23 55.7 E059 08.2 ITRAX – N24 12.8 E055 47.8		Oman		New ATS route.				
Flight Level Band: FL290 – FL410								
Potential City Pairs: SGN, PEK, HKG, PVG, DEL, AMD, KHI, KIX, DAC, KTM - Doha								
Conclusions/Remarks						Last updated	ARN TF/2 – March 09	



MID/RC-003

MID/RC-004	ATS Route Name: Q707	Entry-Exit: EGNOV – SALWA	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA				
Route Description							States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action
EGNOV (N27 03.0 E047 47.2) – SALWA (N25 15.6 E050.30.8)		Qatar Bahrain Saudi Arabia		Opening hours to be extended. Suggested from 1430 – 0300UTC Weekends H24 To change current AWY Q707 from one-way to two way between points EGNOV – SALWA North Africa traffic – If Q707 is made a two way AWY, then traffic can route from point “GEPAK (N26 33.0 E048 43.5) on AWY A791/G663			- Bahrain has no objection. - Qatar can extend hours from 15:00 to 03:00 UTC provided Saudi Arabia concur. - Saudi Arabia will study the proposal and revert to the Secretariat by 31 October 2008.	31-Oct-2008				
Flight Level Band: GND - UNL							Still under consideration by Saudi Arabia					
Potential City Pairs: Doha – Western Europe/USA – Doha Doha – BEY, DAM, AMM – Doha Doha – North Africa dest. - Doha							MID Office to communicate high priority need to Saudi Arabia Implemented as a timed-out route					
Conclusions/Remarks		Urgent implementation necessary due rapidly building congestion in the Bahrain FIR					Last updated	ARN TF/3 March 2010				



MID/RC-004

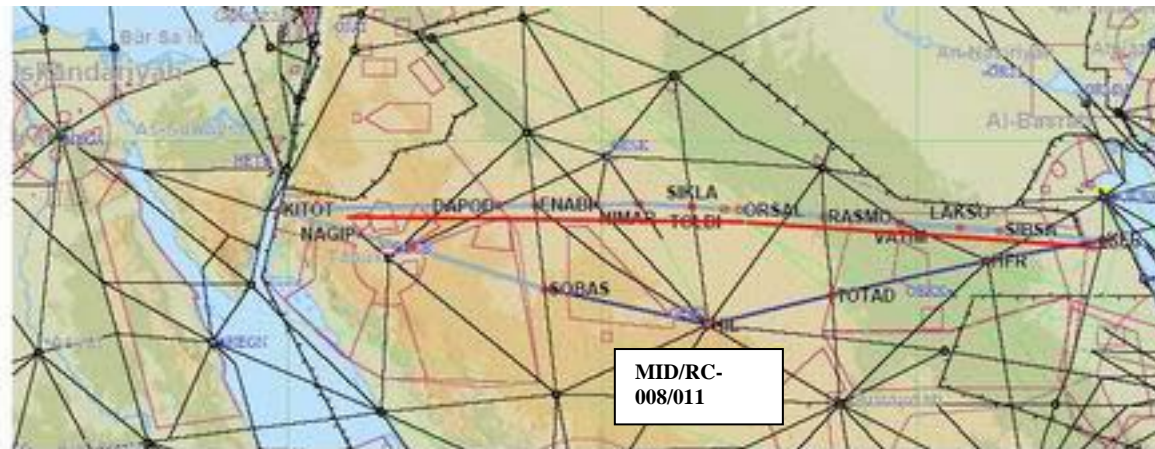
MID/RC-005	ATS Route Name: New AWY between SALWA-LOTUS-ASTIN	Entry-Exit: SALWA-LOTUS- ASTIN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
Proposed new AWY would be two way. Alternatively, IATA would accept Salwa – (intersection point on Y100) – Y100 – LOTUS – New AWY – PURDA (N21 08.1 E051 03.5) – join with A419 SALWA (N25 15.6 E050.30.8) LOTUS (N22 00.0 E050 39.2) ASTIN (N20 04.2 E049 53.3)		Bahrain Saudi Arabia		New ATS route.		<ul style="list-style-type: none"> - Proposal replace by the following agreed option: Doha to Bundu than via V997 to R659. - Bahrain will issue NOTAM for activation on the next AIRAC date. - MID Regional Office to circulate Amendment Proposal to change V997 to Regional route. - Amendment to be re-circulated after collection of updates from States - An alternate RNAVI route was proposed waiting for UAE response. 	Immediate Sept. 2008 June. 2009	
Flight Level Band: FL180 – FL410								
Potential City Pairs: Doha – Eastern/ South Africa - Doha								
Conclusions/Remarks	Replacement proposal (Doha-Bundu-U997-R659). Approved for immediate implementation.						Last updated	ARN TF/3 March 2010

MID/RC-006	ATS Route Name: A415-DOH(VOR)-SALWA-KIREN	Entry-Exit: DOHA-SALWA-KIREN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
A415-DOH(VOR)-SALWA-KIREN		Qatar Bahrain Saudi Arabia		Implemented with time restrictions		<ul style="list-style-type: none"> - Bahrain has no objection. - Qatar can extend hours from 15:00 to 03:00 UTC provided Saudi Arabia concurs. - Saudi Arabia will study the proposal and revert to the Secretariat by 31 October 2008. - Still under consideration by Saudi Arabia - MID Office to communicate high priority need to Saudi Arabia - Implemented as a timed out route 	31-Oct-2008 Further Update to be provided by October 2009 March 2010 Mar 09	
Flight Level Band: GND-FL410								
Potential City Pairs: Doha-Western Europe/USA-Doha Doha-North Africa-Doha Doha-Africa-Doha								
Conclusions/Remarks				IATA requests to change opening hours H24. Urgent implementation necessary due rapidly building congestion in Bahrain FIR		Last updated	ARN TF/3 March 2010	

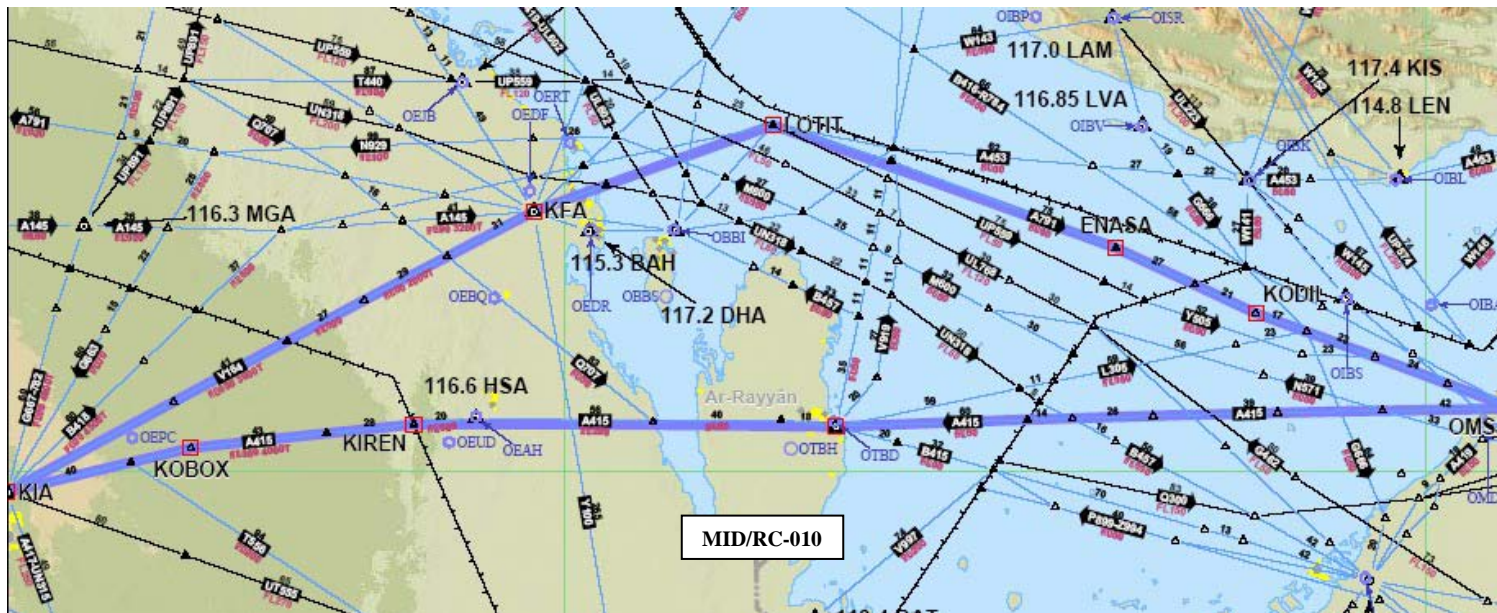


MID/RC-007	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
							Date of Proposal	
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
Flight Level Band:						- Removed From Catalogue		
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

MID/RC-008-011	ATS Route Name: New Parallel AWY to UL 550	Entry-Exit: Parallel AWY to UL550	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
New Parallel AWY to UL 550		Egypt Saudi Arabia Iraq Kuwait		New ATS route.		<ul style="list-style-type: none"> - Egypt will continue to study how to address issue of east bound traffic for reduced traffic (Egypt Air and Kuwait Airways). - The Segment in Jeddah FIR is used bidirectionally already. - Egypt will review the route feasibility on completing of the ACC sectorization process underway 	Update will be provided October 2009 March 2010	
Flight Level Band: 6000ft TO FL 250								
Potential City Pairs: Cairo-Kuwait								
Conclusions/Remarks	Egypt highlighted similar proposal has been studied before and not found acceptable due to military restrictions and uncoordinated flights over the red sea area. This is similar routing as MID/RC-011					Last updated	ARN TF/3 March 2010	



MID/RC-010	ATS Route Name: V164	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
V164-King Khaled (KIA). King Fahd (KFA) change from uni- direction eastbound to bi-direction.		Bahrain Saudi Arabia				<ul style="list-style-type: none"> - Bahrain has no objection for FL250 and below between KIA and KFA. - Bahrain will study feasibility of traffic volume that can be permitted to descend below FL250. 		
Flight Level Band:						- Not feasible at the moment		
Potential City Pairs: For traffic from airports in Gulf region to Riyadh and beyond						- Differed for the future.		
						- Saudi Arabia agrees.		
Conclusions/Remarks						Last updated	ARN TF/2 – March 09	



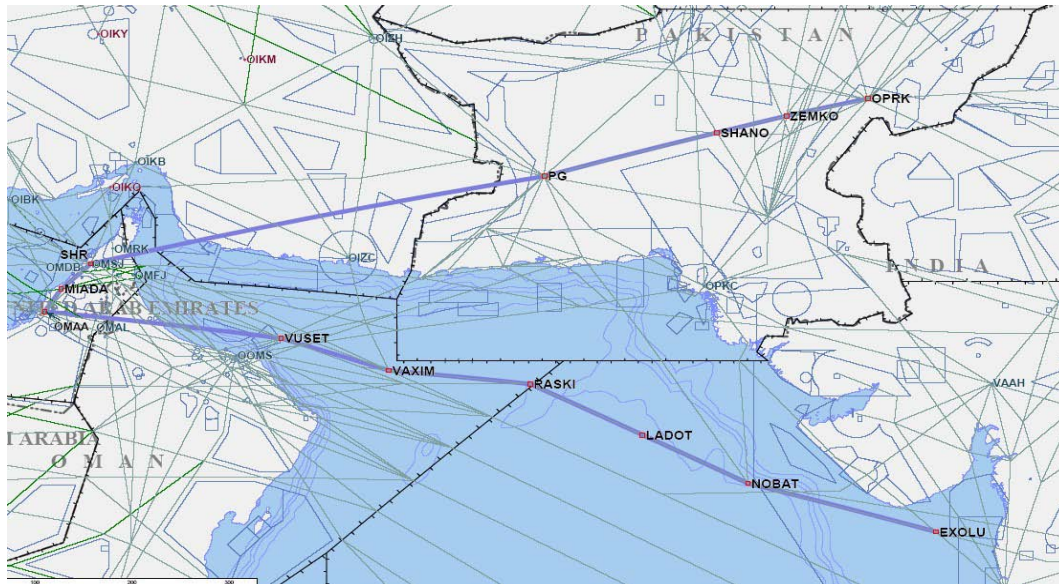
MID/RC-012	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
Flight Level Band:						- Removed From Catalogue		
Potential City Pairs								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

ARN TF/3-REPORT
APPENDIX 4A

4A-16

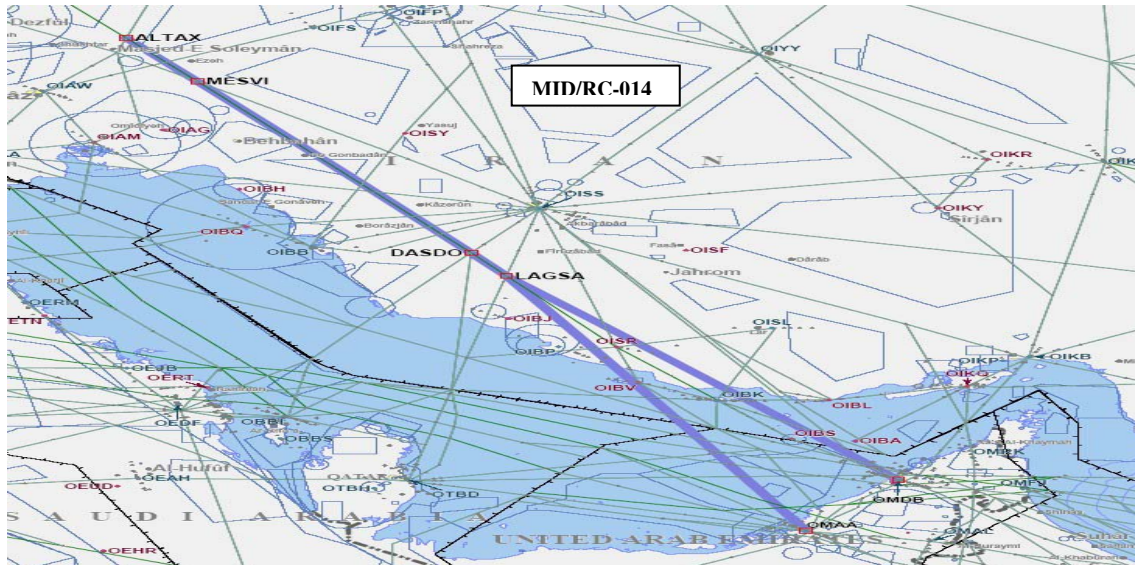
MID/RC-013	ATS Route Name: Gulf Region Eastbound	Entry-Exit: UAE to Pakistan, India, and beyond to Asia/Pacific	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
New, bi-directional route segments UAE to Pakistan, India, and beyond to Asia/Pacific		UAE Oman Iran Pakistan Mumbai				<ul style="list-style-type: none"> - To be submitted to Oman and APAC Office. - To be considered by ARN TF/2. 	Aug. 2008	
Flight Level Band: Upper Airspace						To be combined with proposal MID/RC-020 <ul style="list-style-type: none"> - A letter to be sent to Oman requesting comments on the revised proposal to the Northern portion on RC-13. 		
Potential City Pairs: UAE to Pakistan, Indian & beyond to Asia/Pacific (unlimited)								
Conclusions/Remarks	Iran has recently developed M561 which might provide interim relief . This is similar routing as MID/RC-020					Last updated	ARN TF/3 March 2010	

4A-17



MID/RC-013

MID/RC-014	ATS Route Name: New Route	Entry-Exit: UAE to Iran and beyond	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
New, bi-directional route segments		Iran UAE				- Under consideration by Iran and UAE. States have no plan to implement. - Differed for the future.	TBD	
Flight Level Band: Upper Airspace								
Potential City Pairs: UAE to Iran and beyond (unlimited)								
Conclusions/Remarks						Last updated	ARN TF/2 – March 09	



MID/RC-015	ATS Route Name: New airways between Sharjah and Tehran	Entry-Exit: LOPEG- DEBES	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
A new waypoint XXXXX to be created half way between KUMUN and PAPAR i.e. 37 NMs from either point. The old SIDs through LOPEG and DEBES will be re-instated with the difference that alter either point, traffic will proceed to XXXXX instead of PAPAR, distance LOPEG-XXXXX 23 NMs and DEBES-XXXXX 40 NMs						- Already under consideration by Iran and UAE. States have no plan to implement. Differed for the future.	TBD	
Flight Level Band:								
Potential City Pairs: Sharjah-Tehran								
Conclusions/Remarks						Last updated	ARN TF/2 – March 09	

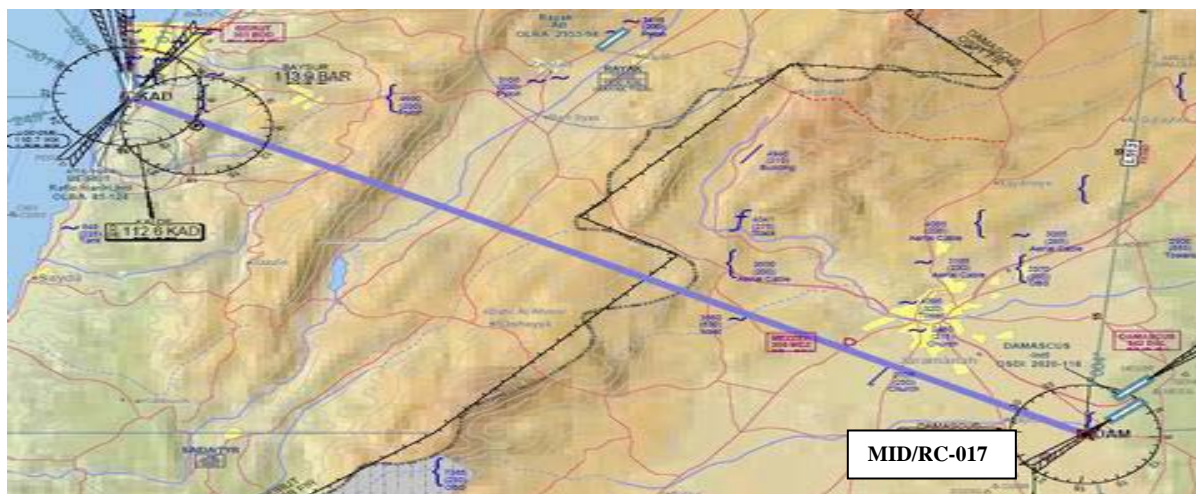


ARN TF/3-REPORT
APPENDIX 4A

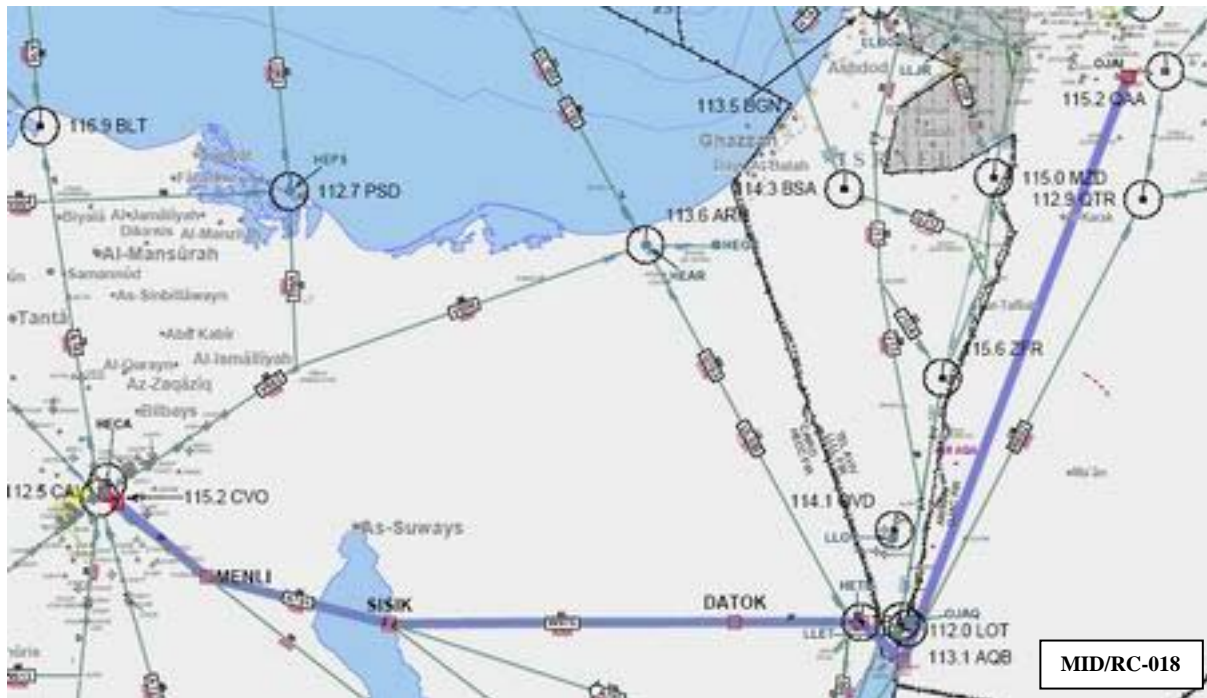
4A-20

MID/RC-016	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
							Date of Proposal	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken/Required	Deadline for each Action
Flight Level Band:							- Removed From Catalogue	
Potential City Pairs								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

MID/RC-017	ATS Route Name:	Entry-Exit: Route from Jordan or Syria to BEY via DAM-DAKWE-KAD	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
	New Route						Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
Route from Jordan or Syria to BEY via DAM-DAKWE-KAD		Syria Beirut		New ATS route.		<ul style="list-style-type: none"> - Syria will study the request and provide update after internal consultations. - ICAO MID Region to follow-up with SCAA. 	TBD	
Flight Level Band:							30-Sept. 08	
Potential City Pairs:							June 2009	
Conclusions/Remarks						Last updated	ARN TF/2 – March 09	

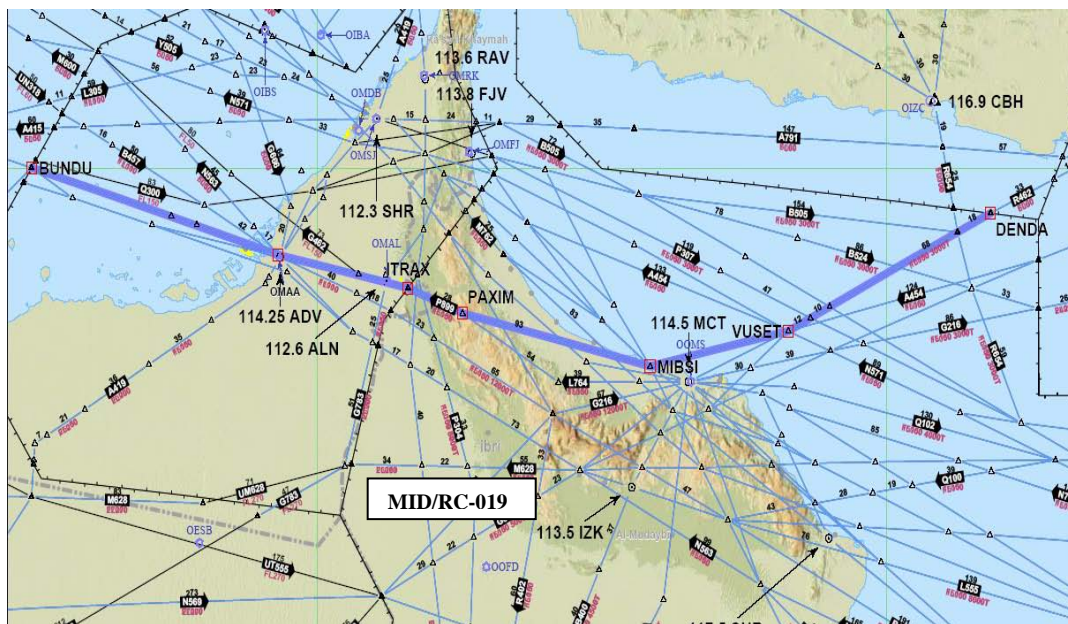


MID/RC-018	ATS Route Name:	Entry-Exit: Route from Jordan to CAI via TBA-W976	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
	New Route						Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
Route from Jordan to CAI via TBA-W976		Jordan Egypt		New ATS route.		<ul style="list-style-type: none"> - Egypt will require more time to study and initiate proposal to Jordan to establish a point 5 to 7 NM South of METSA in order to facilitate direct routing to DATOK. - State and Military issues 	TBD	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	

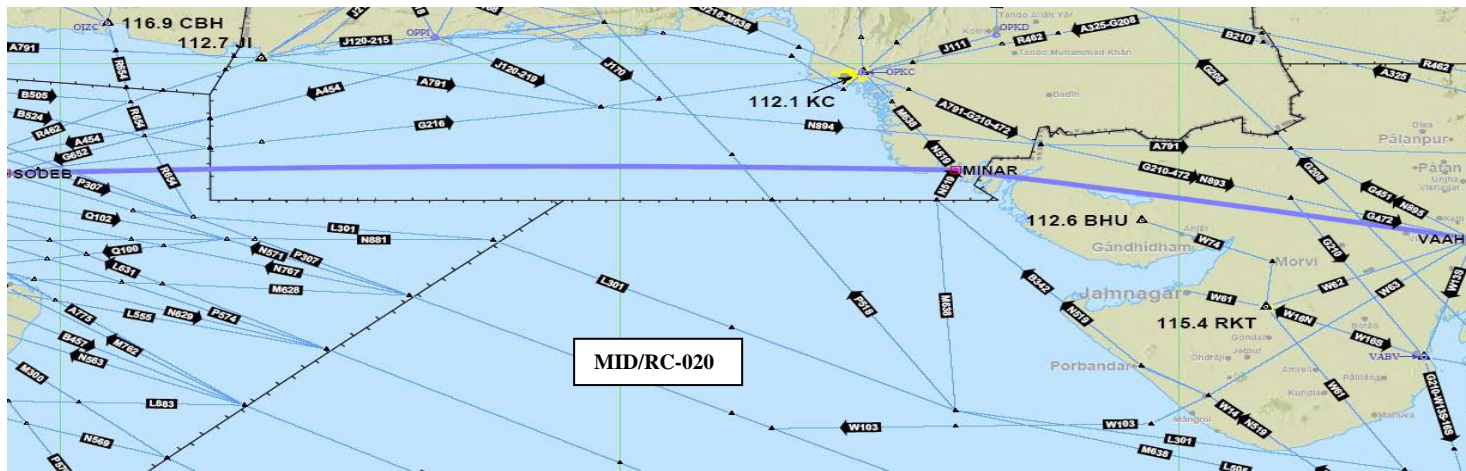


MID/RC-018

MID/RC-019	ATS Route Name: R462	Entry-Exit: DENDA-MIBSI	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
Request permission to use this AWY for traffic with destination DOHA DENBA DENDA R462 MIBSI P899 BUNDU						- UAE has no objection if Oman agrees. - ICAO will send proposal to Oman.		
Flight Level Band: FL290 to FL410						Not feasible due to congestion (safety reasons)		
Potential City Pairs: SGN, PEK, HKG, PVG, DEL, AMD, KHI, KIX, DAC, KTM-Doha						Differed for the future.		
Conclusions/Remarks		Proposal to be send to Oman for response				Last updated	ARN TF/2 – March 09	

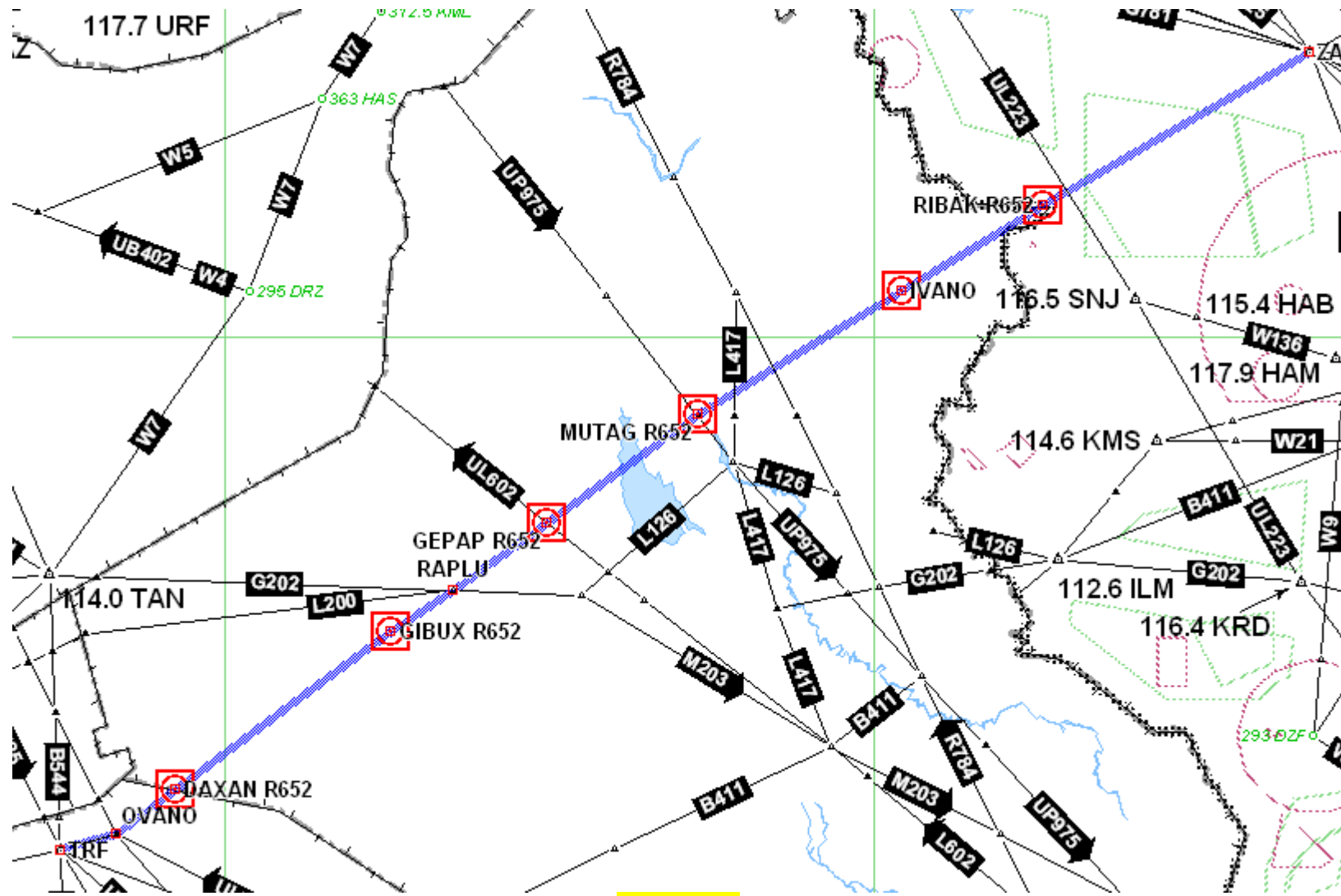


MID/RC-020	ATS Route Name: Replacement of IATA Proposals (3) and (9).	Entry-Exit: TELEM-VAXIM and PRA-TELEM	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
SODEB to/from MINAR with 24 hours availability; thence MINAR to Ahmedabad or Pratapgarh (PRA)		Oman Pakistan Mumbai				<ul style="list-style-type: none"> - SODEB to/from MINAR with 24 hours availability. - MINAR to Ahmedabad or Pratapgarh (PRA). - To be relayed to Oman and APAC Regional Office, Bangkok. Under consideration as unidirectional only Also being coordinated with APAC - Route was not supported by India . - Differed for the future.	Update October 2009. March 2010 Route expected implementati on date Jun2010	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks		Proposed by Pakistan to replace IATA Original proposals (3) and (9) which have been removed from this Appendix This is similar routing as MID/RC 013			Last updated		ARN TF/3 March 2010	



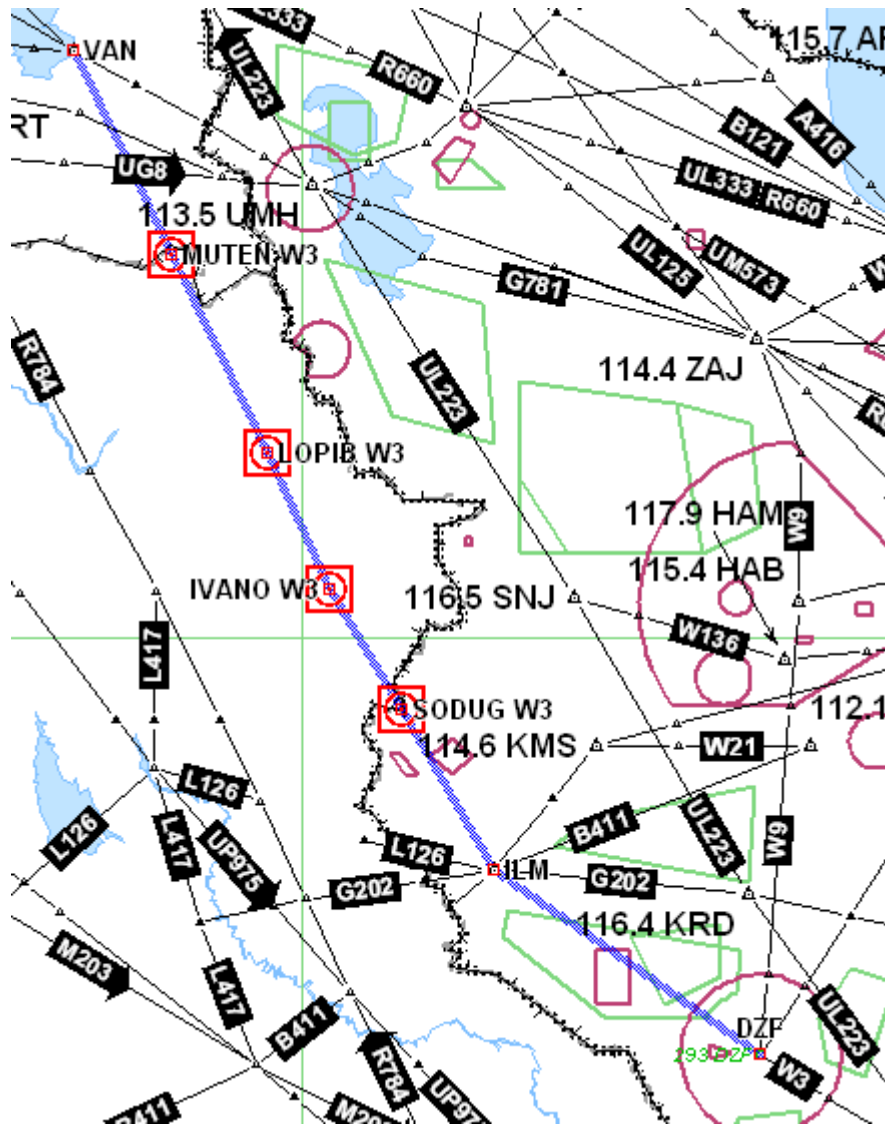
4A-25

MID/RC-021 - 024	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
							Date of Proposal	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
						- Removed From Catalogue		
Flight Level Band:								
Potential City Pairs								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010



ARN TF/3-REPORT
APPENDIX 4A

MID/RC-026	ATS Route Name: W3	Entry-Exit: DZF-VAN	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken / Required	Deadline for each Action
DZF DEZFUL SODUG 343312.57N 0454417E IVANO 351724N 0451235E LOPIB 3 0633N 0444500E MUTEN 371700N 0440300E VAN FERIT MELEN		Iran Iraq Turkey		1. Change route designator to regional RNAV route designator (L, M, N or P designator needed). 2. Points highlighted in yellow are new. 3. Coordination with Iran is required 4. Coordination with Ankara is required to continue the route within their airspace as new regional RNAV route.			1) Not supported by Turkey. 2) Iraq to withdraw this route from the AIP. 3) Iraq to further coordinate with Turkey and Iran. 4) To be referred to ARN TF/3 for further discussions. 5) Differed for the future.	March 2010
Flight Level Band: FL200-FL410								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

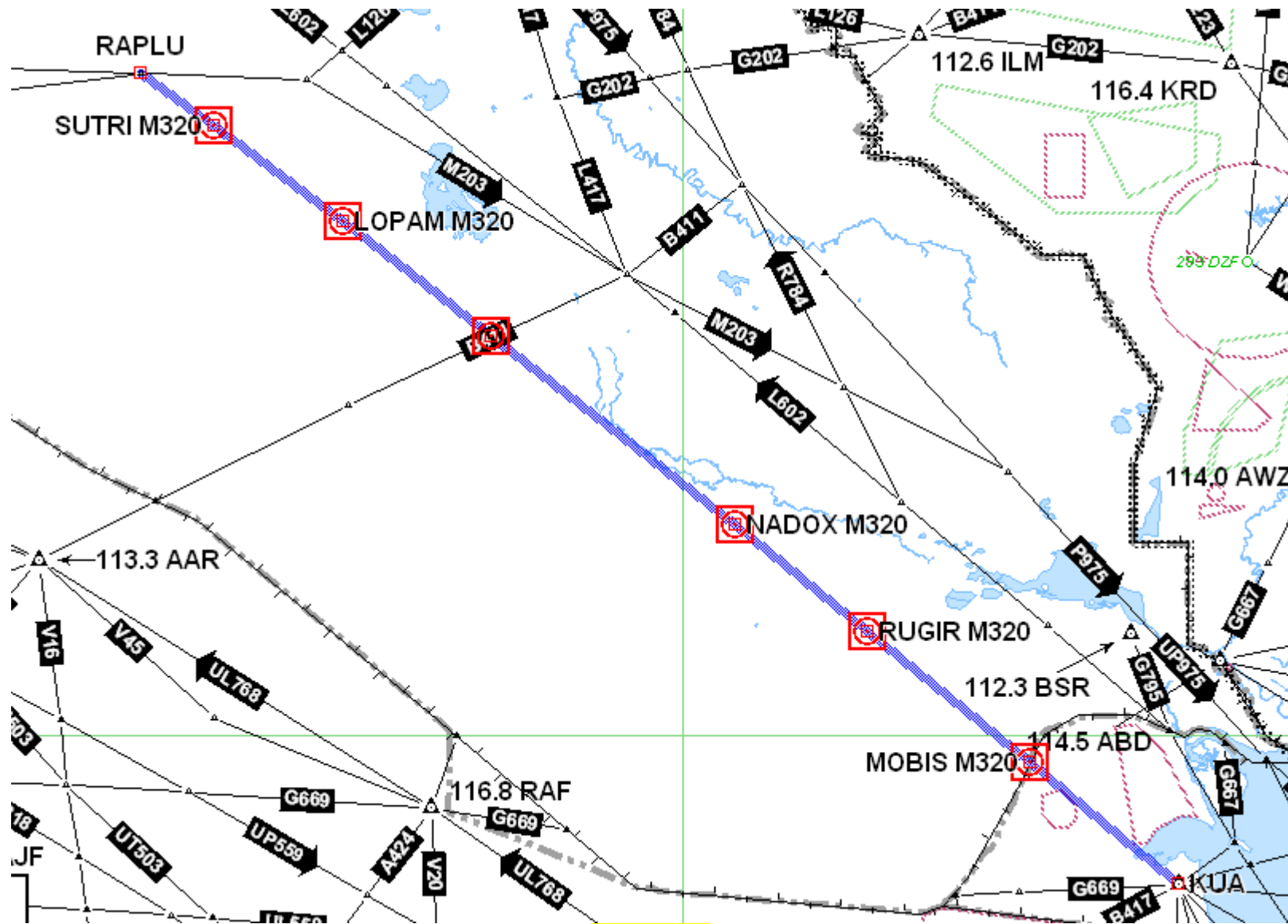


MID/RC-026

ARN TF/3-REPORT
APPENDIX 4A

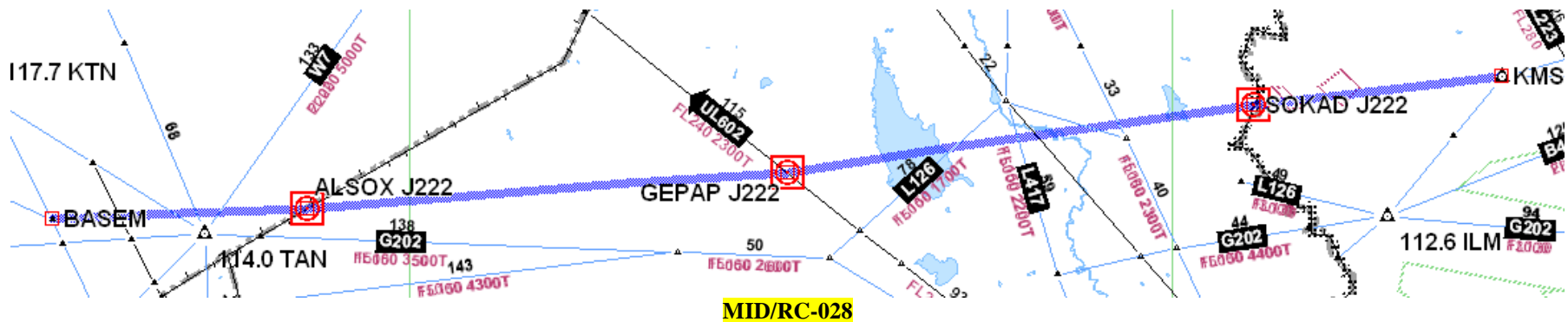
4A-30

MID/RC-027	ATS Route Name: M320	Entry-Exit: KUA-RAPLU	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required		Deadline for each Action
KUA MOBIS 295109N 0470457E RUGIR 303219N 0460618E NADOX 310505N 0451851E ELODI 320256N 0435126E LOPAM 323757N 0425806E SUTRI 330701N 0421128E RAPLU 332300N 0414530E		Kuwait Iraq		1. Existing RNAV designator M320 from Kuwait (proposed). 2. Points highlighted in yellow are new. 3. Coordination with Kuwait required of continuation of route within their airspace.	Available in ATS.1 Table In Kuwait FIR	1) Not supported by Kuwait at present. 2) Needs further studies. 3) To be discussed further in the ARN TF/4 meeting	March 2010	
Flight Level Band: FL200-FL410								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

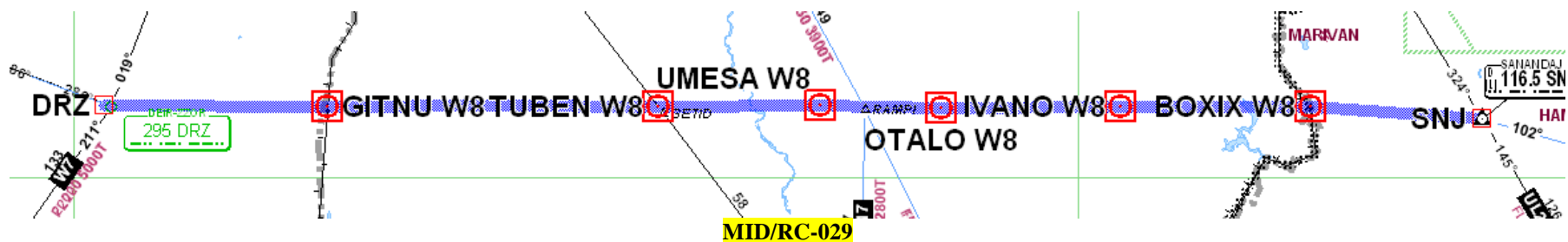


MID/RC-027

MID/RC-028	ATS Route Name: J222	Entry-Exit: BASEM-KMS	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required		Deadline for each Action
BASEM 333318N 0373906E ALSOX 333700N 0392000N GEPAP 334906N 0422851E SOKAD 341051N 0453226E KMS KERMANSHAH		Syria Iraq Iran		1. Points highlighted in yellow are new. 2. Coordination with Syria and Iran required for the continuation of route within their airspace. 3. New route in the Baghdad (FIR)	Not available in ATS.1 Table. Implemented in Syria Change of Route Designator Required	Points highlighted in yellow are new. - Not supported by Syria - ATS route J222 is in close proximity with ATS route UR785 that would cause traffic conflict - Iraq was asked to reconsider to join the ATS route with G202 and change the route designator. - To be referred to the ARN TF/3 meeting for further discussions - Syria to review the proposal and will inform ICAO.		TBD
Flight Level Band: FL200-FL410								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	

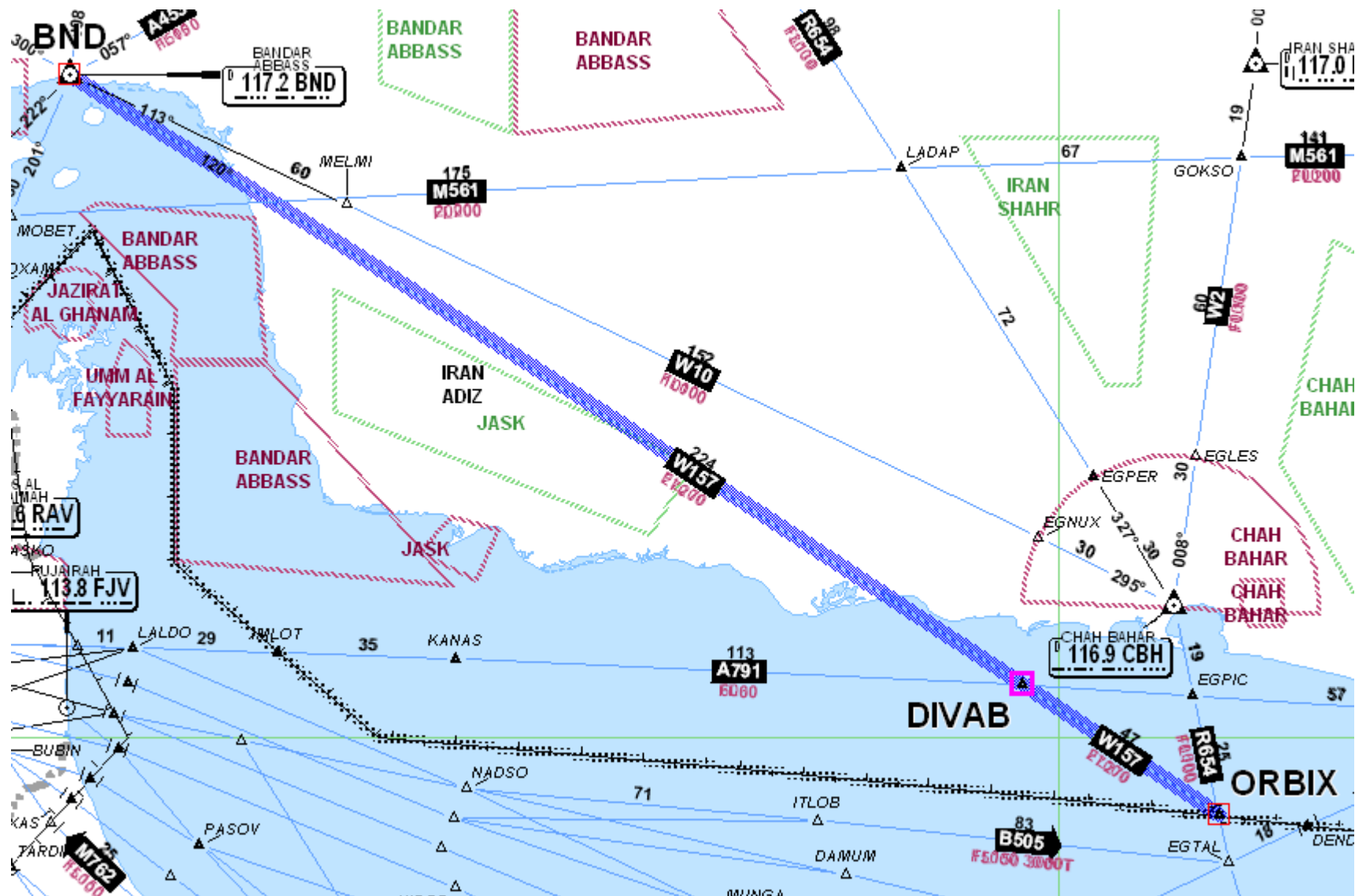


MID/RC-029	ATS Route Name: W8	Entry-Exit: GITNU-HAB	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required		Deadline for each Action
DRZ GITNU 351724N 0411553E TUBEN 351724N 0425434E UMESA 351741N 0434307E OTALO 351700N 0441900E IVANO 351724N 0451235E BOXIX 351724N 0460921E SNJ		Syria Iraq Iran		1. Change route designator to regional RNAV route designator (L, M, N or P requested). 2. Points highlighted in yellow are new. 3. Coordination with Syria and Iran required for the continuation of route within their airspace. 4. New route in the Baghdad (FIR)		Points highlighted in yellow are new. - Syria to discuss proposal with Military - To be referred to the ARN TF/3 meeting for further discussions - Syria requested additional time to examine the proposal for the establishment of the ATS route.		TBD
Flight Level Band: FL200-FL410								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



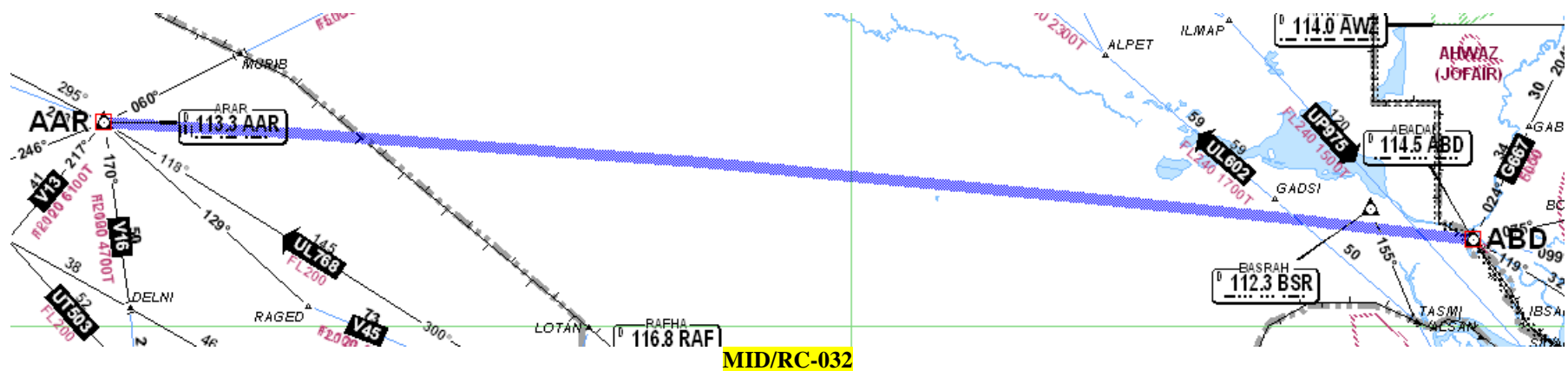
MID/RC-030	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
							Date of Proposal	
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status		Action Taken/Required	Deadline for each Action
Flight Level Band:							- Removed From Catalogue	
Potential City Pairs								
Conclusions/Remarks							Last updated	ARN TF/3 – March 10

MID/RC031	ATS Route Name: New Route	Entry-Exit: BND-ORBIX – PARAR or RASKI	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iran
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status		Action Taken / Required	Deadline for each Action
New bi-directional ATS route: BND 271149N 0562200E DIVAB 251042N E0595206E ORBIX 244430N 0603511E PARAR 222630N 0630700 or ORBIX 2444300N 0603511E RASKI 230330N 0635200E		Iran Oman		Iran has established an ATS route BND (Bandar Abbas) - ORBIX 244430N 0603511E (boundary point Tehran FIR/Muscat FIR) and require further extension towards Muscat FIR and Karachi FIR.	Not in the ANP. Iran is requesting an RNAV Route Designator for the route to be included in the ANP		1) Coordination with Oman 2) If Agreed Add to MID ATS-1 Table 3) New Route Designator Required 4) Aletter to sent to Oman requestin comments on the proposal	Published by Iran as W157
Flight Level Band: FL 270 - UNL								
Potential City Pairs:								
Conclusions/Remarks				To further improve the ATS network within Gulf Area, facilitate and shorten the traffic flows from Indian Ocean proceeding to Europe and vice-versa.	Last updated			ARN TF/3 March 2010



MID/RC-031

MID/RC-032	ATS Route Name: G665	Entry-Exit: ABD/AAR	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iran
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
ABADAN (ABD) ARAR (AAR)		Iran Iraq Saudi Arabia	No implemen- tation date yet.	<ol style="list-style-type: none"> 1) Iraq to establish new boundary point at Jeddah & Baghdad FIR boundary. 2) Iran and Iraq agreed that all east/west routes would be implemented after implementation of RVSM and military approval. 3) Coordination Between Iraq and Saudi Arabia Required. 	Available in ATS.1 Table Panjgur-Abadan New Route in Baghdad FIR..	Points highlighted in yellow are new. To be referred to the ARN TF/3 meeting for further discussions MID RMA advised the meeting that the proposals submitted by Iraq require assessment by RMA to ensure the passing frequencies are within the specified limits. An estimate of expected traffic volume would be required to conduct the assessment of passing frequencies.	TBD	
Flight Level Band: FL240-FL460								
Potential City Pairs:								
Conclusions/Remarks		To further improve the ATS network within Gulf Area.				Last updated	ARN TF/3 March 2010	



4A-37

MID/RC-034	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken/Required	Deadline for each Action
Flight Level Band:							- Removed From Catalogue	
Potential City Pairs								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

ARN TF/3-REPORT
APPENDIX 4A

MID/RC-035	ATS Route Name: UL602	Entry-Exit: TASMI - ELEXI	Inter-Rgional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken / Required	Deadline for each Action
TASMI 300120N 047550E GADSI 303358.08N 0471115.73E ALPET 311219N 0461 44E ITBIT 314735.20N 0452916.57E MUTLO 321018.98N 0445702.83E LOVEK 322 08.40N 044400.20E DELMI 331918.31N 0431327.59E ASNOT 332959.55N 0425716.62E GEPAP 334905.80N 0422850.64E ELEXI 344130N 0410900E		Iraq Syria		Entire route Westbound	Suspended in the Damascus FIR		Will be opened once comm. & coordination issues in Baghdad FIR are resolved. Iraq considers Points highlighted in yellow are new. Syria requested additional time to examine the communication requirements by concerned FIR's. Once the communication issues are resolved it is expected that the ATS route will be implemented.	Conditional on Communication AIRAC date (25 Sept.2008) Pending acceptance by Syria, of status of communication infrastructure
Flight Level Band: FL240-FL460								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

ARN TF/3-REPORT
APPENDIX 4A

4A-40

MID/RC-036	ATS Route Name: UP975	Entry-Exit: KANOK - SIDAD	Inter-Rgional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken / Required	Deadline for each Action
KANOK 363358N 0414059E TUBEN 351724N 0425434E MUTAG 343003N 0433834E SOGUM 341212N 0435454E PUTSI 333200N 0443700E ETBOM 332137N 0444753E NOLDO 324932N 0452129E KATUT 323737N 0453439E DENKI 322228N 0455122E ILMAP 312133N 0465702E PEBAD 305023N 0472958E SIDAD 295231N 0482944E		Iraq Syria		Entire route Southbound.	Suspended in the Damascus FIR		Will be opened once comm. & coordination issues in Baghdad FIR are resolved. Iraq considers 1. Points highlighted in yellow are new. 2. Request to change KANOK and ETBOM (duplicated in ICARD).	Conditional on Communication AIRAC date (25 Sept.2008) Pending acceptance by Syria, of status of communication infrastructure
Flight Level Band: FL240-FL460								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010



MID/RC-036

ARN TF/3-REPORT
APPENDIX 4A

4A-42

MID/RC-037	ATS Route Name: New Route	Entry-Exit: MIDSI - DASDO	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
							Date of Proposal	15 March 2010
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
MIDSI 264142N 0515442E DASDO 285118N 0500347E		Bahrain Iran		MIDSI - DASDO	<p>Not in the ANP.</p> <p>Iran is requesting an RNAV Route Designator for the route to be included in the ANP</p>	<p>Bahrain informed the meeting that they had discussed (MIDSI - DASDO) with Iran. The high volume of traffic at MIDSI has exceeded the passing frequency limits. Bahrain proposed a second boundary point to create uni-directional routes. The proposal is to be the subject of bi-lateral discussions between Bahrain and Iran.</p>	Published by Iran as T202	
Flight Level Band: FL 130 - UNL								
Potential City Pairs:								
Conclusions/Remarks					Last updated		ARN TF/3 March 2010	

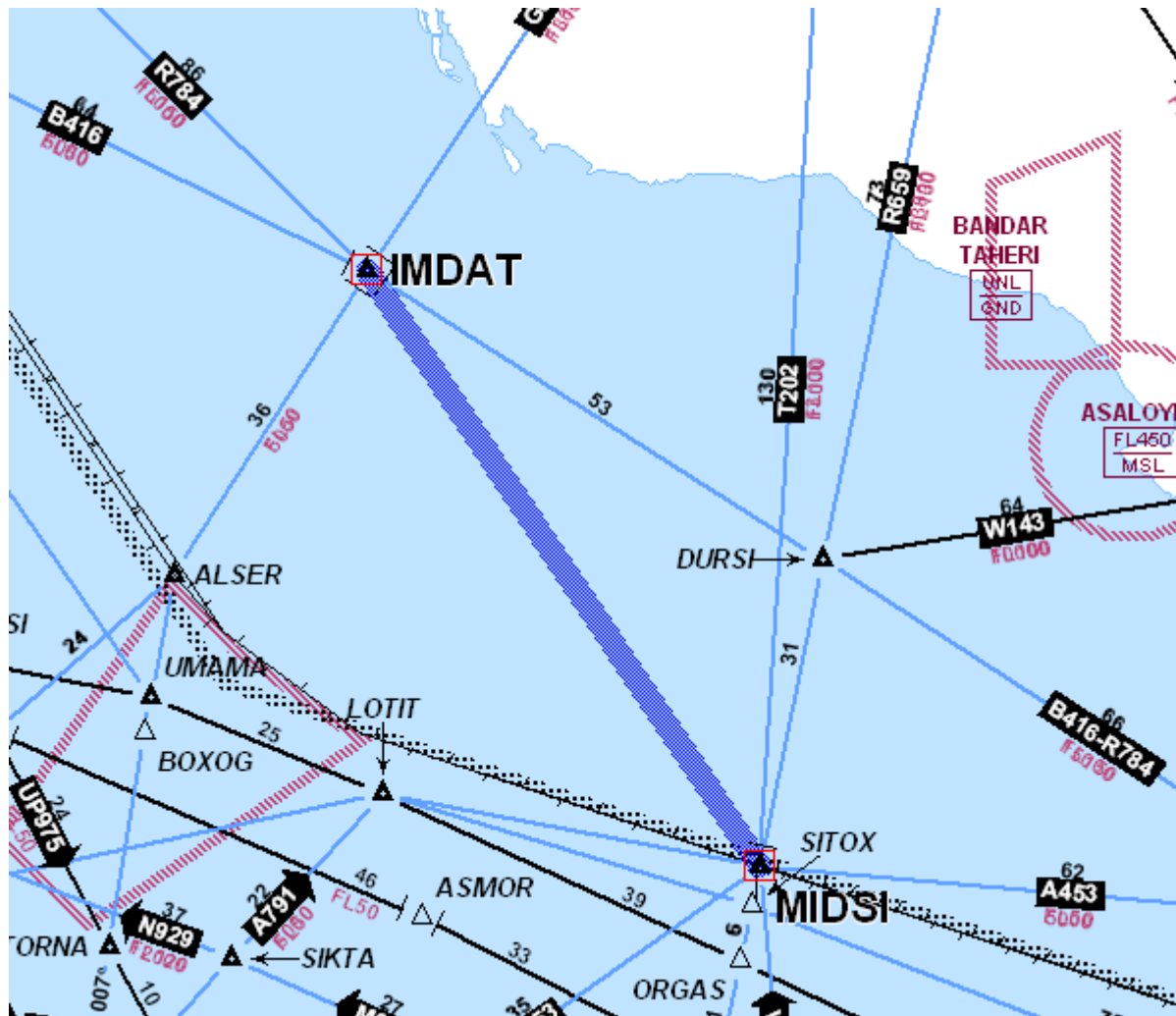


MID/RC - 037

ARN TF/3-REPORT
APPENDIX 4A

4A-44

MID/RC-038	ATS Route Name: New Route	Entry-Exit: IMDAT - MIDS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
							Date of Proposal	15 March 2010
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
IMDAT 274100N 0511100E MIDS 264142N 0515442E		Bahrain Iran		IMDAT - MIDS Not implemented	Not in the ANP. Iran is requesting an RNAV Route Designator for the route to be included in the ANP	Bahrain requested additional information regarding the connecton of (MIDS – IMDAT) before considering the proposal.	(TBD)	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



ARN TF/3-REPORT
APPENDIX 4A

4A-46

MID/RC-039	ATS Route Name: New Route	Entry-Exit: KANAS - GOKSO - PG	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
							Date of Proposal	15 March 2010
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
KANAS 251552N 0574700E GOKSO 265542N 0604012E PG		Iran		KANAS - GOKSO - PG Not implemented	Not in the ANP. Iran is requesting an RNAV Route Designator for the route to be included in the ANP	Consideration of the route proposals (KANAS - GOKSO - PG) did not take place. Expected to replace MID/RC013	(TBD)	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	

ARN TF/3-REPORT
APPENDIX 4A

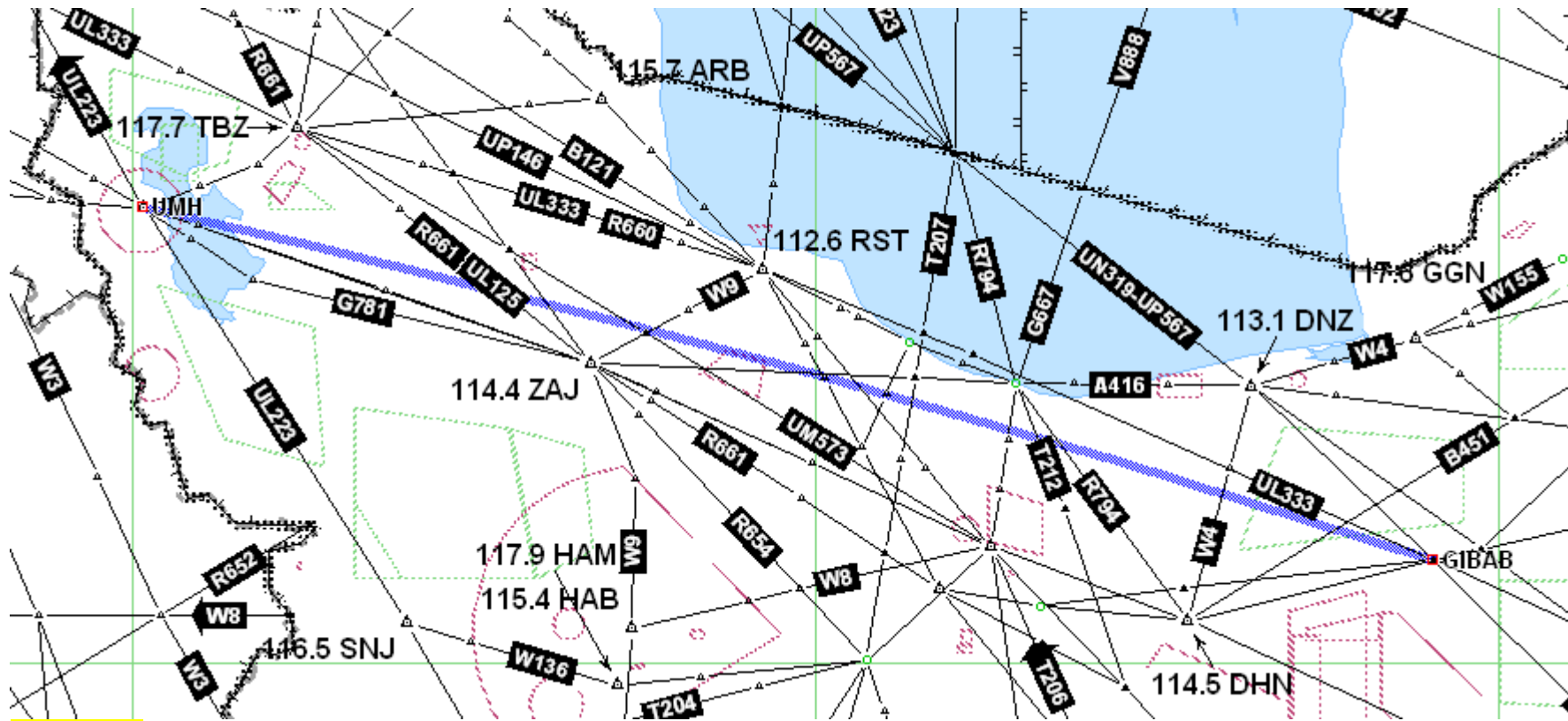
4A-48

MID/RC-040	ATS Route Name: New Route	Entry-Exit: PEKES - ANK	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
								Date of Proposal
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken/Required	Deadline for each Action
PEKES 285929N 0595221E ANK 333215.1N 0534346.8E		Iran		PEKES - ANK Not implemented	Not in the ANP. Iran is requesting an RNAV Route Designator for the route to be included in the ANP		Consideration of the route proposals (PEKES - ANK) did not take place.	(TBD)
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

ARN TF/3-REPORT
APPENDIX 4A

4A-50

MID/RC-041	ATS Route Name: New Route	Entry-Exit: GIBAB - UMH	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
							Date of Proposal	15 March 2010
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
GIBAB 353659N 0543055E UMH 374113.9N 0450503.6E		Iran		East bound overflying traffic Not implemented	Not in the ANP. Iran is requesting an RNAV Route Designator for the route to be included in the ANP	Consideration of the route proposals (GIBAB - UMH) did not take place.	(TBD)	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



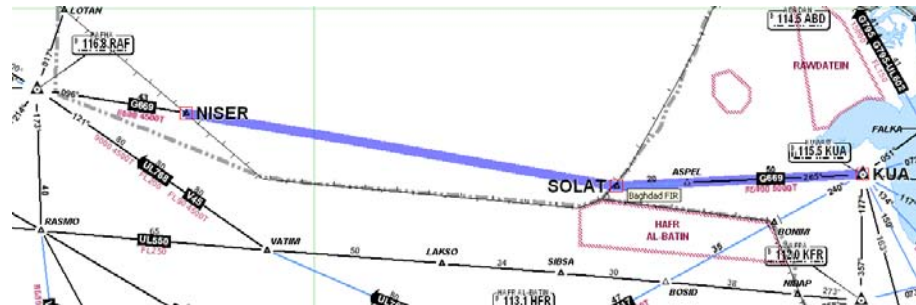
MID/RC-041

MID/RC-042 ATS Table 1 G667	ATS Route Name: G667	Entry-Exit: Abadan-ALSAN- KUA	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
PUTMA 3748.0N 05157.6E NOSHAHR (NSR) TEHRAN (TRN) SAVEH (SAV) MIS AHWAZ (AWZ) ABADAN ALSAN 295707N 0481456E FALKA KUWAIT (KUA) WAFRA (KFR) MAGALA (MGA) KING KHALID (KIA) WADI AL DAWASIR (WDR) NEJRAN (NEJ) SANA'A (SAA) PARIM 123142.7N 0432712E (DJIBOUTI) DTI		Iran Iraq Kuwait		Abadan – Kuwait Closed	Available in ATS.1 Table	Kuwait has objection to opening the segment. Proposes closure of segment ALSAN to Kuwait as well. Rational – Proximity of ALSAN to release points SIDAD and TASMI - Not supported by Kuwait at present - Kuwait will carry out further study - To be referred to the ARN TF/3 meeting for further discussions - Not supported by Kuwait at present. - Kuwait requested additional time to examine the proposal. Iraq requested that Airway be suspended until adequate radar coverage exists and RVSM has been implemented in the Baghdad (FIR).	TBD March 2010	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



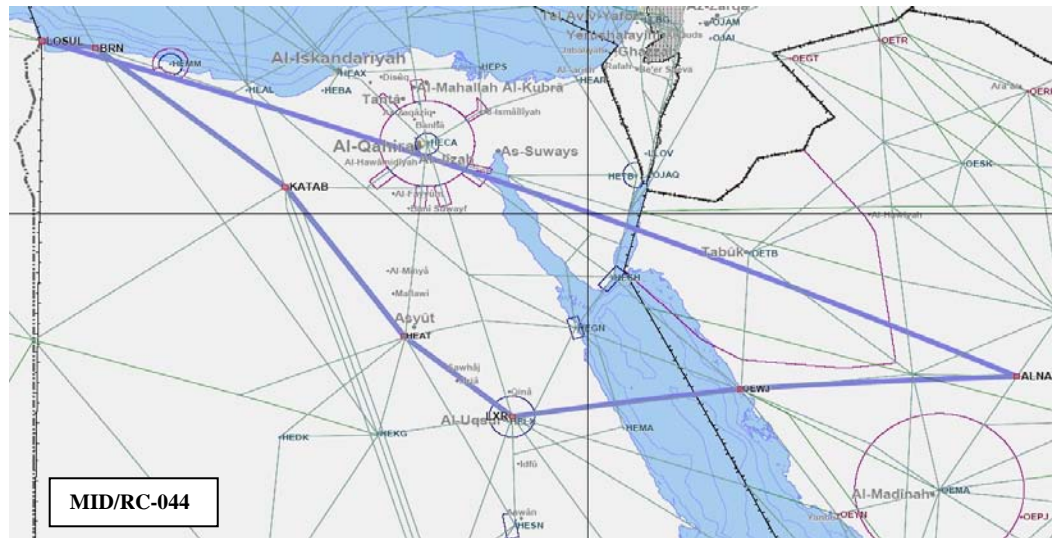
MID/RC-042 ATS Table 1 G667

MID/RC-043 ATS Table 1 G669	ATS Route Name: G669	Entry-Exit: NISER-SOLAT	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	Date of Proposal
AL SHIGAR (ASH) AL JOU (AJF) RAFHA (RAF) NISER 2930.5N 04418.4E SOLAT 290942N 0463810E *Note 3 (OK) KUWAIT (KUA) SESRA 290803N 0485453E NANPI 290457N 0493157E BUSHEHR (BUZ) VATOB 2851.4N 05116.6E SHIRAZ (SYZ)		Kuwait Iraq Saudi Arabia		Segment Rafha – SOLAT - Kuwait not implemented	Available in ATS.1 Table	Kuwait advised not possible at this time due to military restrictions. - Not supported by Kuwait at present - Kuwait will carry out further study - To be referred to the ARN TF/3 meeting for further discussions - Kuwait requested additional time to examine the proposal for the establishment of ATS route G669. Saudi Arabia has no objection to open the Route G669) as proposed by Iraq as the segment in Jeddah FIR is already implemented.	TBD March 2010	
Flight Level Band: FL240-FL460								
Potential City Pairs:								
Conclusions/Remarks	To further improve the ATS network within Gulf Area.						Last updated	ARN TF/3 March 2010

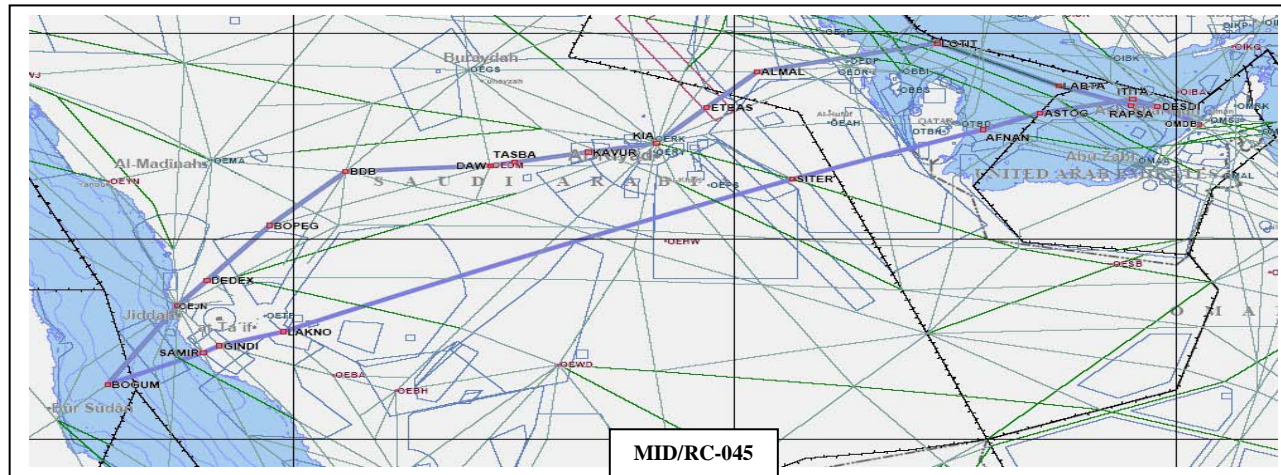


MID/RC- 043 ATS Table 1 G669

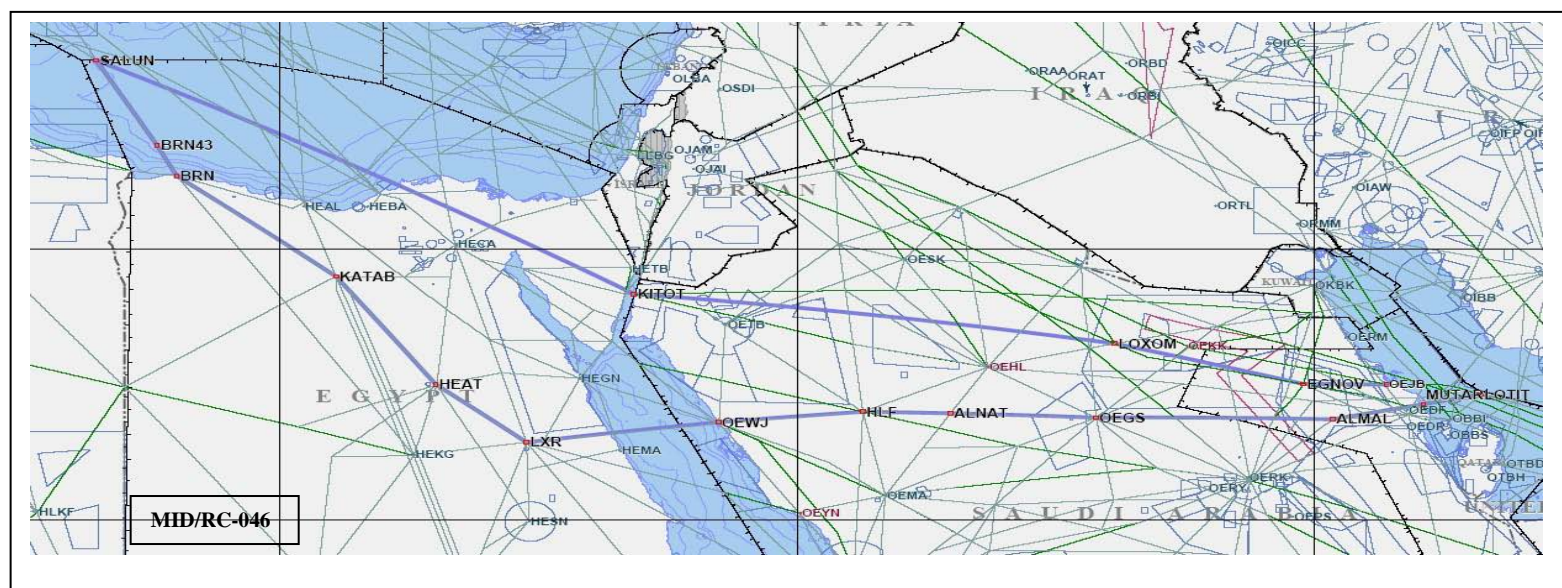
MID/RC-044	ATS Route Name: New Route	Entry-Exit: LOSUL-ALNAT		Inter-Regional Cross Reference if any	Users Priority	High	Originator of Proposal	IATA
		Date of Proposal					ARN TF/2	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
Flight Level Band:		Egypt Saudi Arabia						
Potential City Pairs: DAAG, DTTA, GMMN, HLLT, DTTA to OBBI, OMAA, OMDB, OTBD (Central and Eastern Arabian Peninsula to Maghreb area)								
Conclusions/Remarks		Saving 104 miles, 5051 Kg Co2 per flight.			Last updated		ARN TF/3 March 2010	



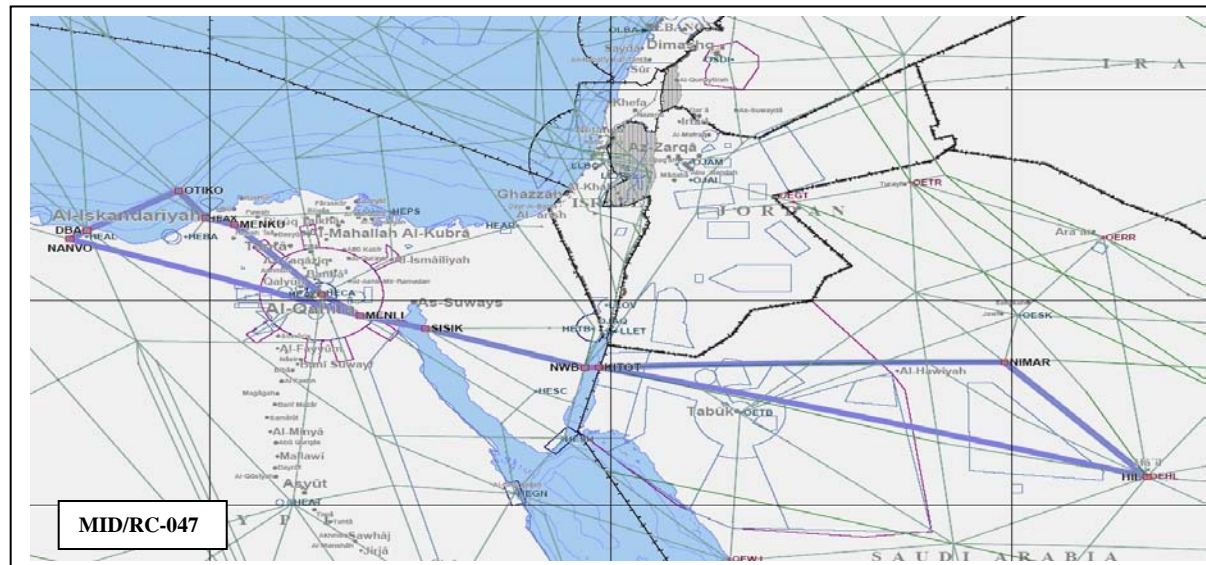
MID/RC-045	ATS Route Name: New Route	Entry-Exit: BOGUM-ASTOG		Inter-Regional Cross Reference if any	Users Priority	Originator of Proposal	IATA	
		Date of Proposal	ARN TF/2					
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required		Deadline for each Action
		Bahrain, Qatar, Saudi Araiba, Sudan, United Arab Emirates						
Flight Level Band:								
Potential City Pairs: DGAA, DNMM, HSSS, OEJN, SBGR to OBBI, OMAA, OMDB, OTBD (Central and Eastern Arabian Peninsula to Sudan, West Africa, South America)								
Conclusions/Remarks		Saves 58 miles and 3196 Kg of CO2				Last updated	ARN TF/3 March 2010	



MID/RC-046	ATS Route Name: New Route	Entry-Exit: SALUN-EGNOV		Inter-Regional Cross Reference if any	Users Priority	Originator of Proposal	IATA
		Date of Proposal				ARN TF/2	
Route Description		States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action
		Bahrain, Egypt, Saudi Arabia					
Flight Level Band:							
Potential City Pairs: DAAG, DTTA, GMMN, HECA, LIRF, LFMN to OBBI, OMAA, OMDA, OTBD (Eastern Arabian Peninsula to Egypt, Maghreb and Mediterranean areas)							
Conclusions/Remarks		Saves 275 miles and 8267 kg of CO2 per flight			Last updated	ARN TF/3 March 2010	



MID/RC-047	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		HIL-NANVO					Date of Proposal	ARN TF/2
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
		Egypt Saudi Arabia						
Flight Level Band:								
Potential City Pairs: DAAG, DTTA, GMMN, HECA, HLLT, to OBBI, OERK, OMAA, OMDB, OTBD (Central and Eastern Arabian Peninsula to Egypt, Libya and Maghreb area)								
Conclusions/Remarks		Saves 73 miles and 3900 Kg of CO2			Last updated		ARN TF/3 March 2010	



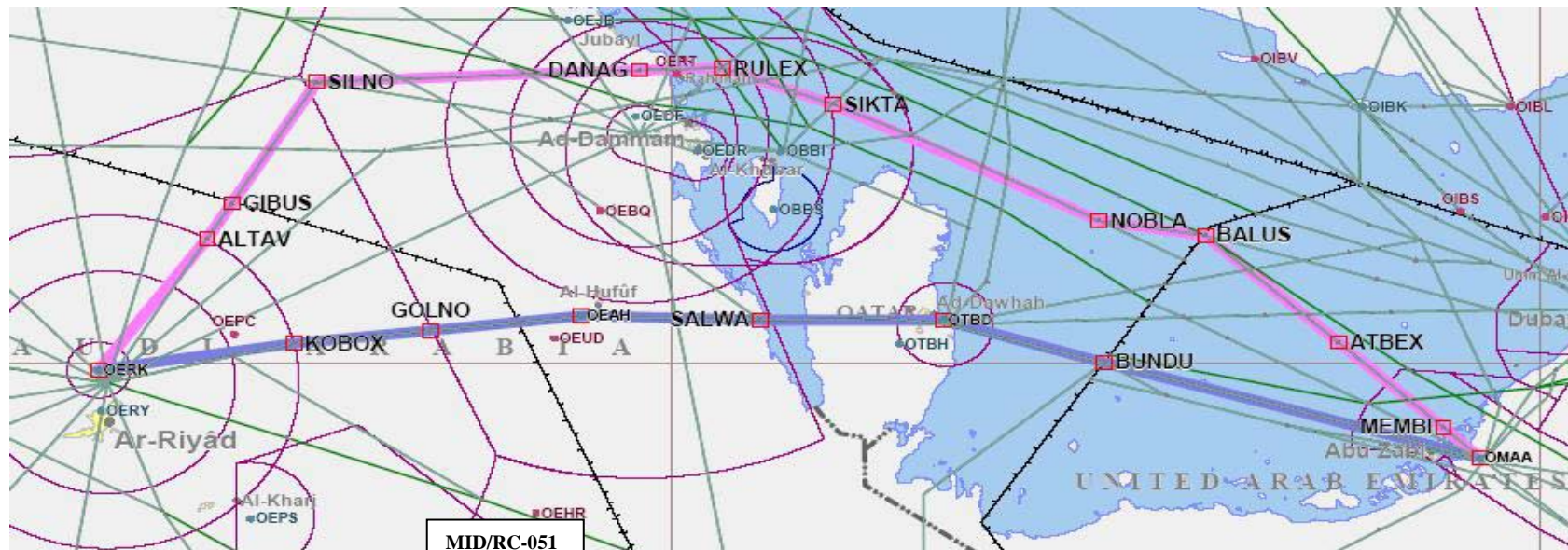
MID/RC-048	ATS Route Name: New Route	Entry-Exit:		Inter-Regional Cross Reference if any	Users Priority	Originator of Proposal		IATA	
		MUT in Turkey to BAN in Syria				Date of Proposal		ARN TF/2	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken / Required	Deadline for each Action
		Cyprus, Syria, Turkey							
Flight Level Band:									
Potential City Pairs: OBBI, OERK, OMAA, OMDB, OSDI, OTBD to LBSF, LGAV, LROP, LTAC, LTBA (Arabian Peninsula and Syria to Greece, Turkey, Black Sea area)									
Conclusions/Remarks		Saves 10NM per flight					Last updated	ARN TF/3 March 2010	



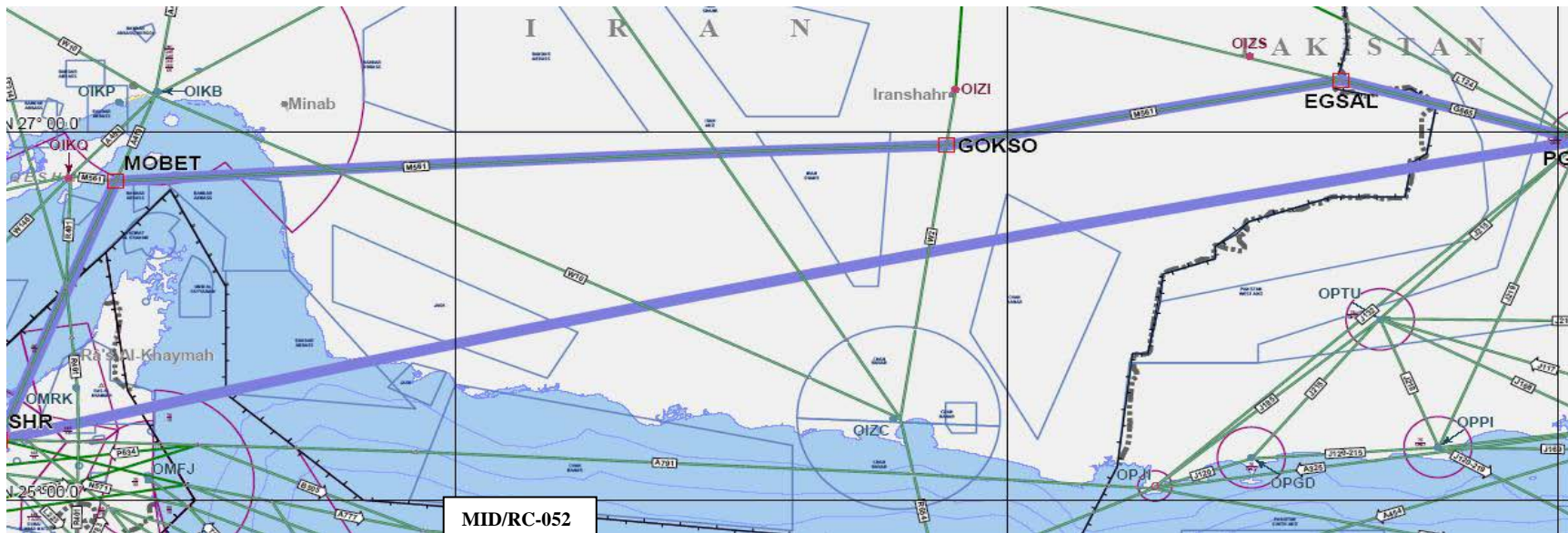
MID/RC-049	ATS Route Name: Establishing a missing segment on R659	Entry-Exit: DOH-BAT	Inter-Regional Cross Reference if any		Users Priority	Originator of Proposal IATA		
						Date of Proposal ARN TF/2		
Route Description A direct segment on an airway that was compensated for by a dog leg B415 BUNDU V997 BAT		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
		Bahrain, Qatar, United Arab Emirates	ASAP					
Flight Level Band:								
Potential City Pairs: OTBD to HSSS, OEJN, OYSN (Qatar to Southern and Western Arabian Peninsula, Sudan, West Africa, South America)								
Conclusions/Remarks	Saving 62 miles per flight					Last updated	ARN TF/3 March 2010	



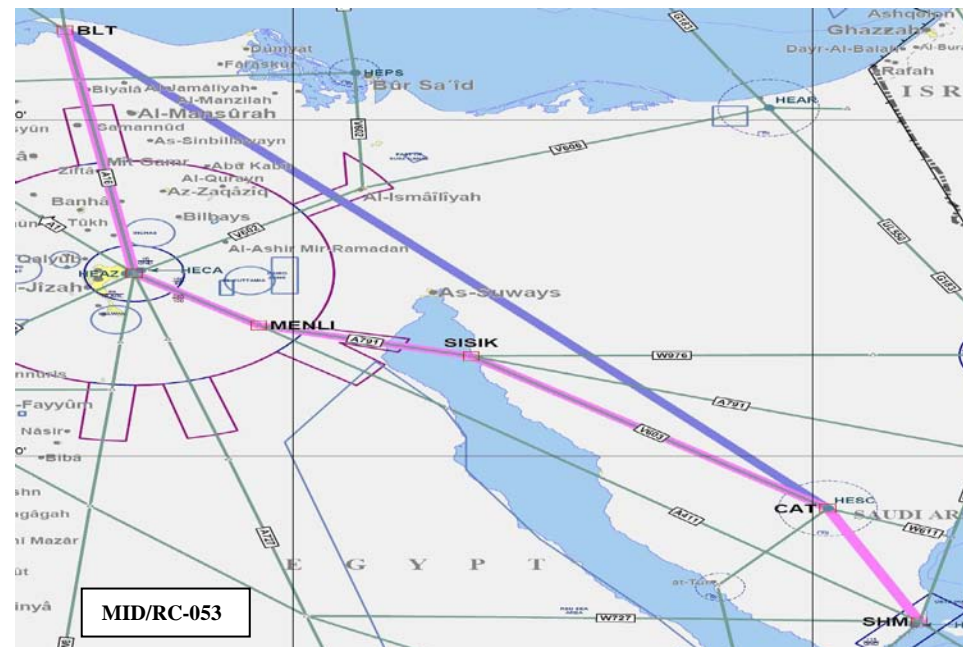
MID/RC-051	ATS Route Name: A415 opened H24	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		DOH-KIA					Date of Proposal	ARN TF/2
Route Description A direct route to and from RUH and further west		States Concerned	Expected Implement- ation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
		Bahrain, Qatar, Saudi Arabia						
Flight Level Band: Upper								
Potential City Pairs: OMAA to GMMN, HECA, HSSS, OEJN, OERK								
Conclusions/Remarks	Saving 88 miles, 10 daily flts, 34650 Kg of CO2 Daily					Last updated	ARN TF/3 March 2010	



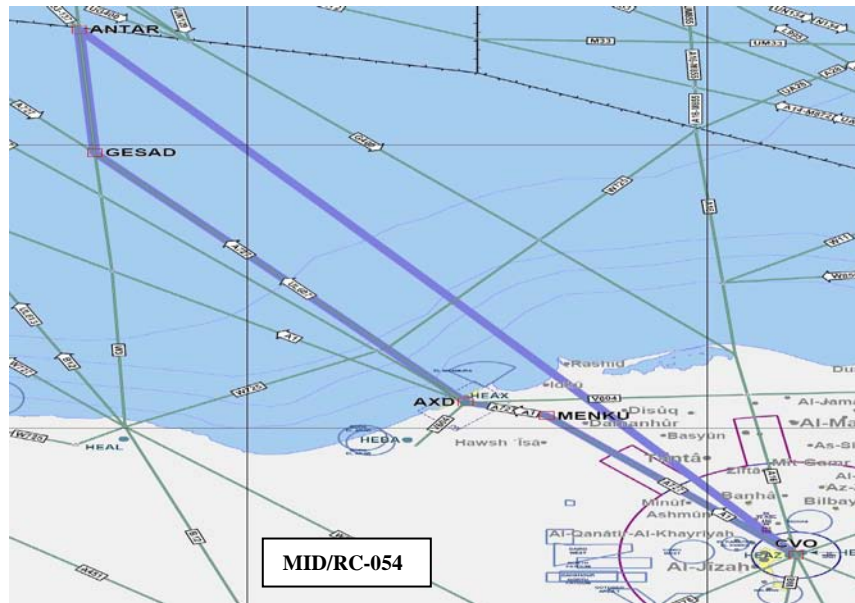
MID/RC-052	ATS Route Name: New Route	Entry-Exit: SHR-PG	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
							Date of Proposal	ARN TF/2
Route Description Benefits for flights from AUH to Northern Pakistan and Far east		States Concerned Iran, Oman, Pakistan, UAE	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
Flight Level Band: Upper								
Potential City Pairs: OMAA, OMDH, OMSJ to Pakistan and eastwards								
Conclusions/Remarks		Saves 49miles, 12 daily flights, 22432 Kg of CO2				Last updated	ARN TF/3 March 2010	



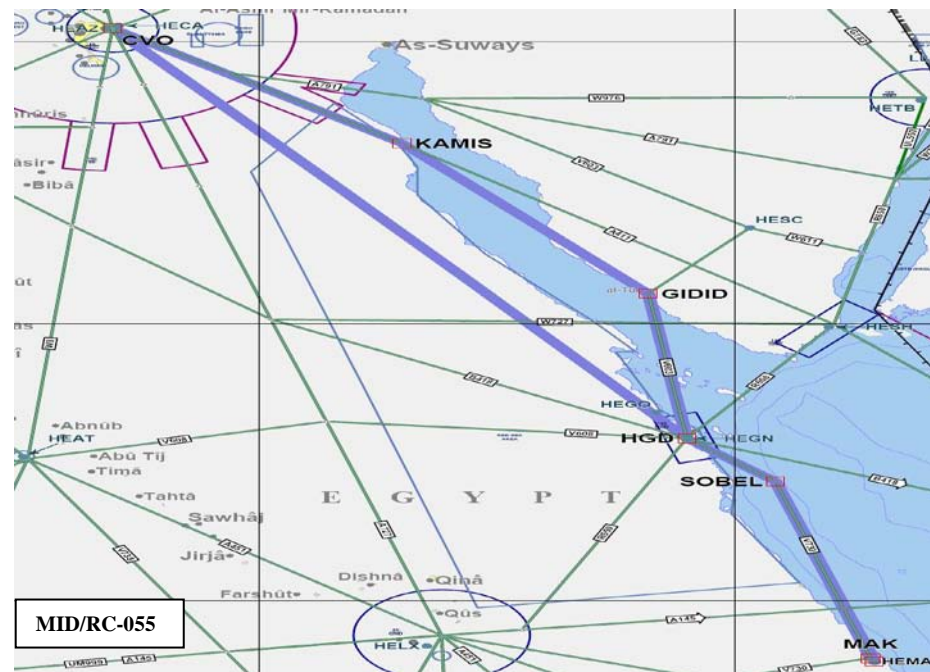
MID/RC-053	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		BALTIM-SHM					Date of Proposal	ARN TF/2
Route Description New Route BALTIM to SHM		States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
Flight Level Band: Upper		Egypt				Possible Night rules by IAC Also to be provided to RMA Penetrates military airspace.		
Potential City Pairs: Arabian Peninsula to Europe								
Conclusions/Remarks		Saves 24 miles / Flt				Last updated	ARN TF/3 March 2010	



MID/RC-054	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		CVO-ANTAR					Date of Proposal	ARN TF/2
Route Description Cairo TO ANTAR		States Concerned	Expected Implement- ation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
Flight Level Band: Upper		Egypt						
Potential City Pairs: HECA and Arabian Peninsula to Europe								
Conclusions/Remarks		Saves 13 minutes				Last updated	ARN TF/3 March 2010	



MID/RC-055	ATS Route Name: New Route	Entry-Exit: HEMA-CVO	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
							Date of Proposal	ARN TF/2
Route Description MAK-CVO		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
		Egypt						
Flight Level Band: Upper								
Potential City Pairs: Northwestern Red Sea to HECA and Europe								
Conclusions/Remarks		Saves 9 miles				Last updated	ARN TF/3 March 2010	



ARN TF/3-REPORT
APPENDIX 4A

4A-68

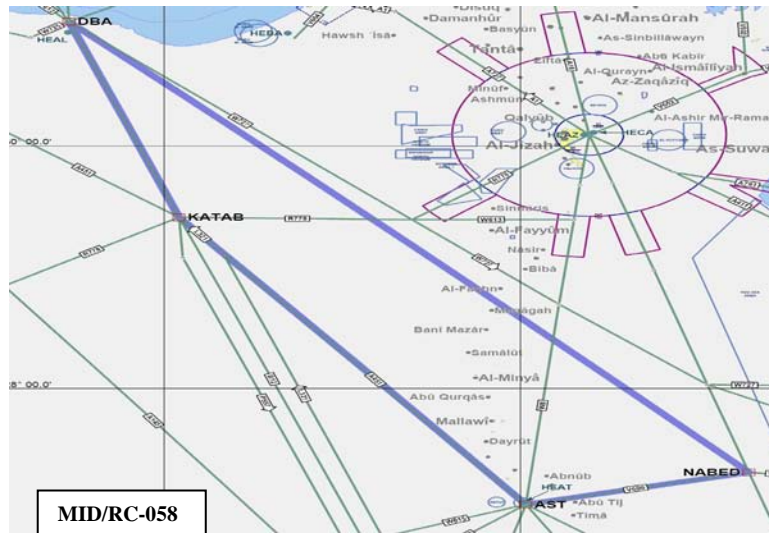
MID/RC-056	ATS Route Name: New Route	Entry-Exit: HEMA-SHM	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
							Date of Proposal	ARN TF/2
Route Description HEMA-SHM		States Concerned	Expected Implement- ation date	Implementation Status		ANP Status	Action Taken / Required	Deadline for each Action
		Egypt						
Flight Level Band: Upper								
Potential City Pairs: HESH, Eastern Mediterranean, Europe to Western Red Sea Coast								
Conclusions/Remarks	Saves 17 miles						Last updated	ARN TF/3 March 2010



MID/RC-057	ATS Route Name: New Route	Entry-Exit: KHATAB-SEMURU	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
							Date of Proposal	ARN TF/2
Route Description KATAB-SEMURU		States Concerned	Expected Implement- ation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
		Egypt						
Flight Level Band: Upper								
Potential City Pairs: Arabian Peninsula to North Africa								
Conclusions/Remarks		Saves 11 Miles				Last updated	ARN TF/3 March 2010	



MID/RC-058	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		NADEB-DBA					Date of Proposal	ARN TF/2
Route Description NADEB-DBA		States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
Flight Level Band: Upper		Egypt						
Potential City Pairs: Arabian Peninsula to Europe								
Conclusions/Remarks		Saves 47 Miles			Last updated		ARN TF/3 March 2010	



MID/RC-059	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		PASOS-NWB					Date of Proposal	ARN TF/2
Route Description		States Concerned	Expected Implementa- tion date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
		Egypt						
Flight Level Band: Upper								
Potential City Pairs: Arabian Peninsula to Egypt								
Conclusions/Remarks		Saves 7 Miles				Last updated	ARN TF/3 March 2010	

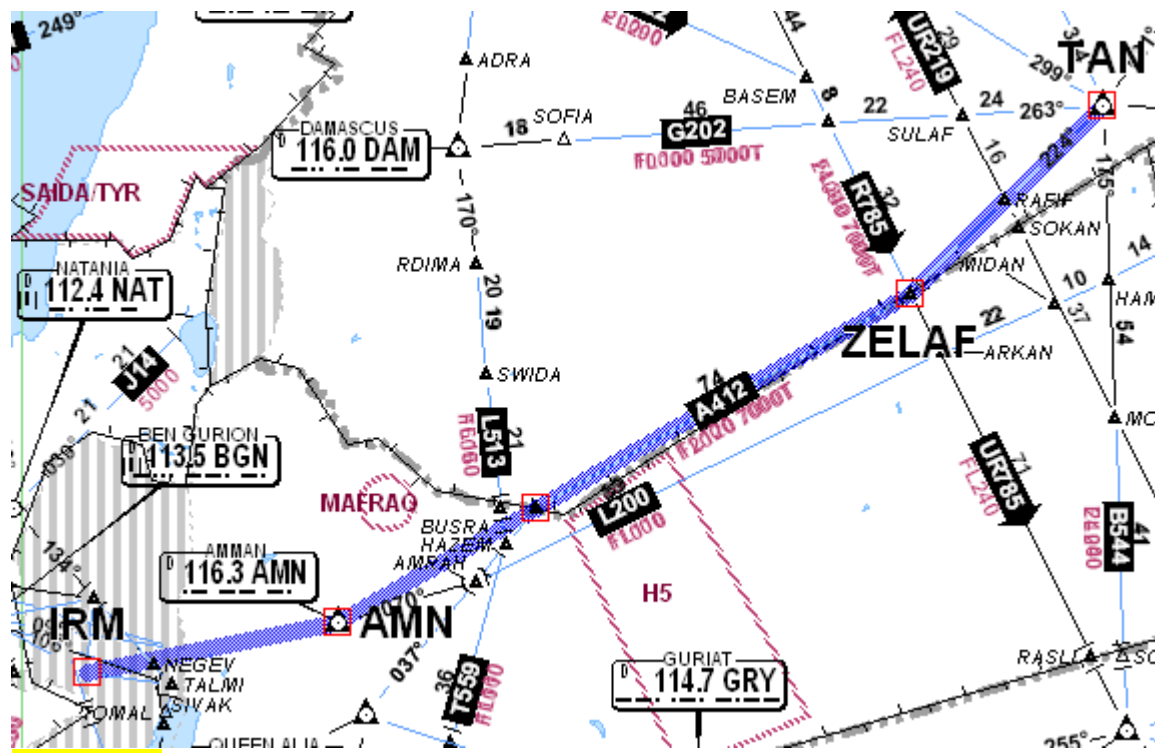


ARN TF/3-REPORT
APPENDIX 4A

4A-72

MID/RC-901 (<i>ex A412</i>)	ATS Route Name: New Route	Entry-Exit: JERUSALEM TANF	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
JERUSALEM AMMAN ZELAF 3257.0N 03800.0E TANF		(<i>FIRs Concerned</i>) Amman Damascus Tel-Aviv		Jerusalem – Amman not implemented				
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

4A-73

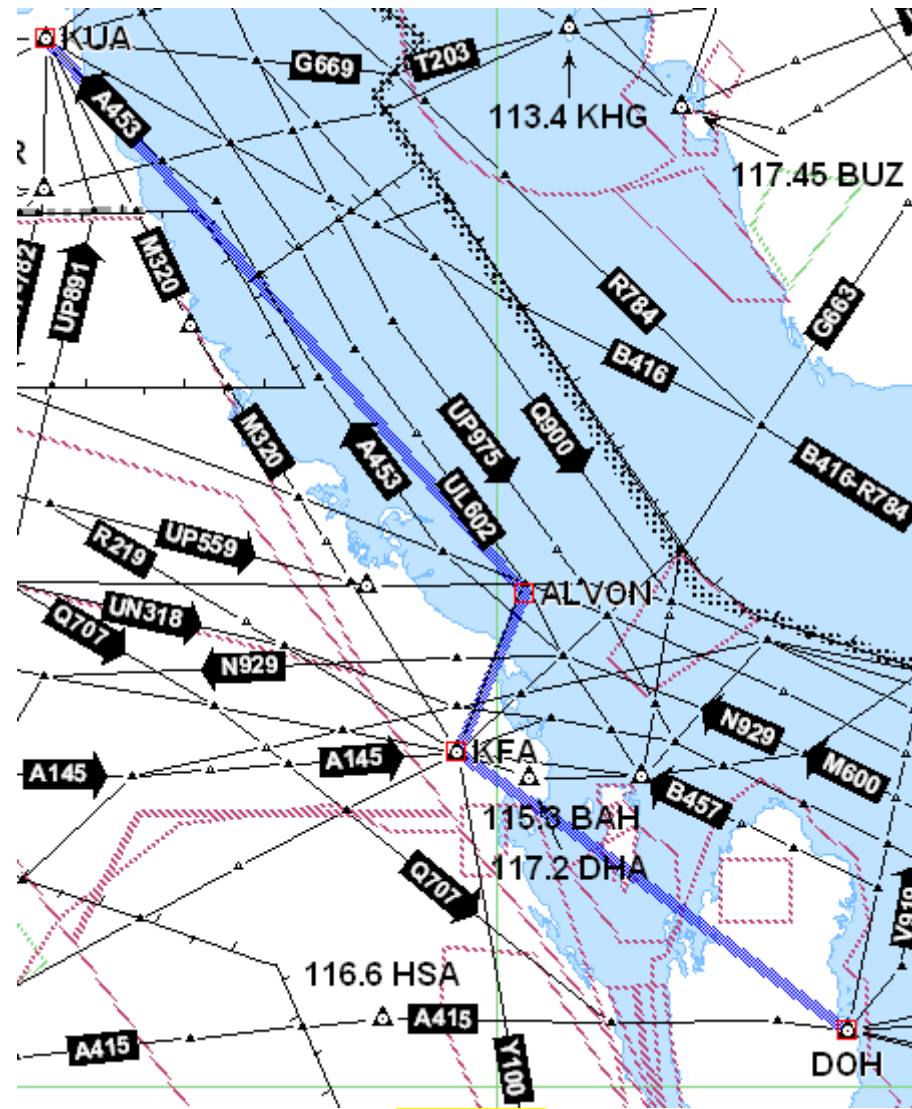


ARN TF/3-REPORT
APPENDIX 4A

4A-74

MID/RC-902 (ex B419)	ATS Route Name: New Route	Entry-Exit: DOH-KUA	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/2
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
[DOHA] [KING FAHD] * Note3 (OB, OT) RAMSI 270249N 0500714E ALVON 2700.2N 05007.2E SELEG 2801.5N 04922.2E KUWAIT		Qatar Bahrain Jeddah Kuwait		DOHA – KING FAHAD not implemented				
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks		Military restrictions. Saudi Arabia is ready to implement.				Last updated	ARN TF/3 March 2010	

4A-75



MID/RC-902

ARN TF/3-REPORT
 APPENDIX 4A

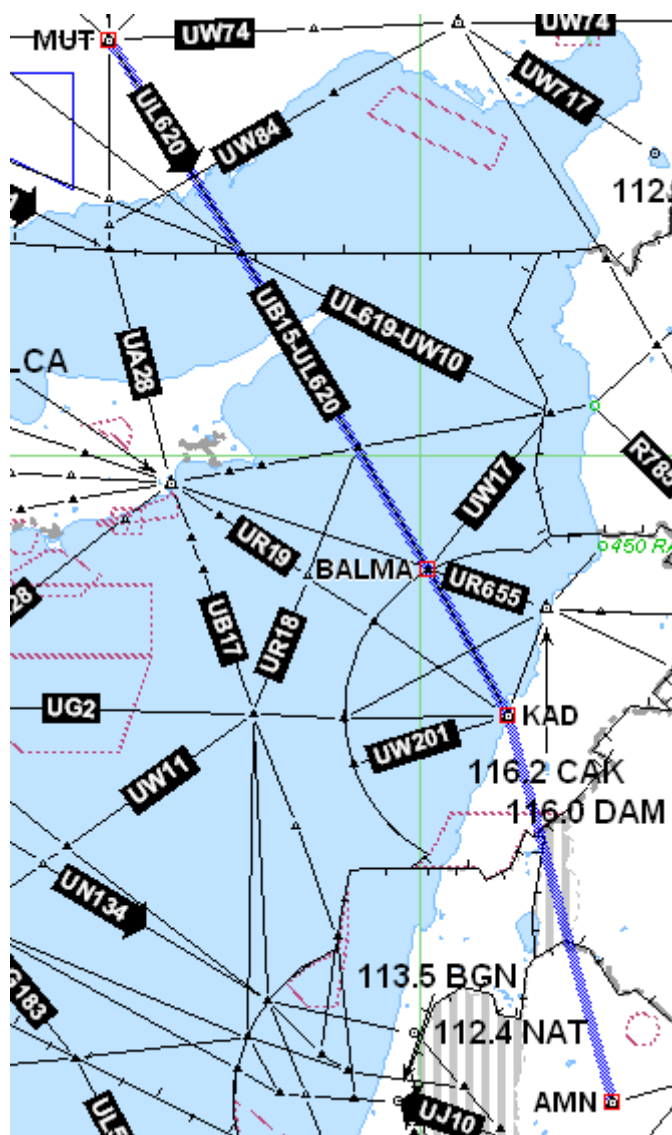
4A-76

MID/RC-903 (ex B538)	ATS Route Name: New Route	Entry-Exit: GAZIANTEP DAMASCUS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
(GAZIANTEP) ALEPPO KARIATAIN DAMASCUS		Syria		GAZIANTEP – ALEPPO Established as (B544) ALEPPO – KARIATAIN Established as (B538) KARIATAIN – DAMASCUS not established				
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks		Segment GAZIANTEP-ALEPPO implemented (B544)					Last updated	ARN TF/3 March 2010

ARN TF/3-REPORT
APPENDIX 4A

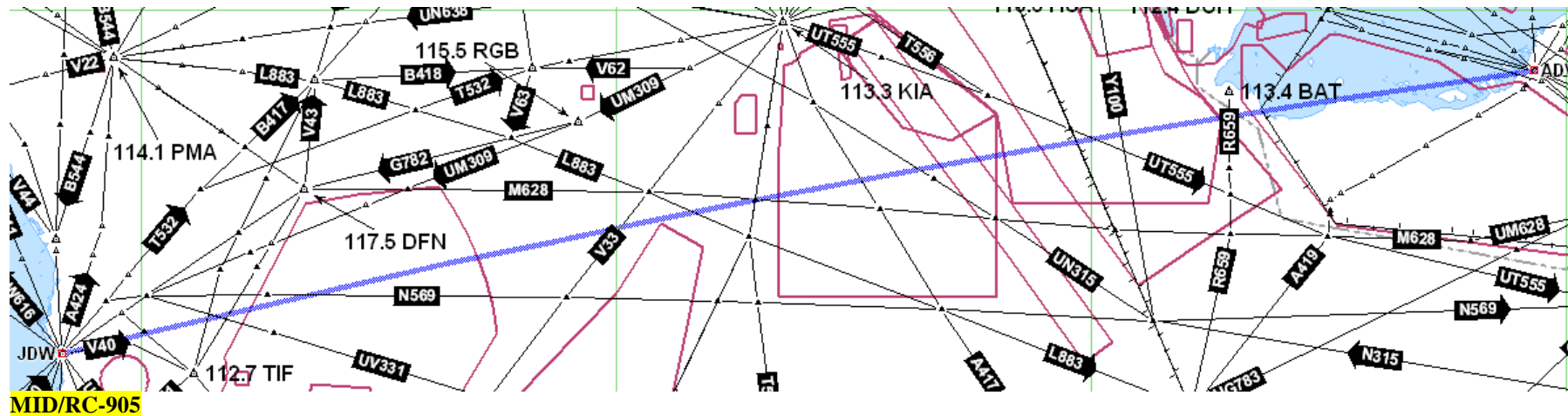
4A-78

MID/RC-904 (ex B545)	ATS Route Name: New Route	Entry-Exit: BALMA-AMMAN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
(MUT) BALMA 3428.9N 035 3.0E KHALDEH AMMAN		Amman Beirut Ankara		MUT – BALMA – KHALDE Implemented as (UB15/UL620) KHALDE – AMMAN not implemented				
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

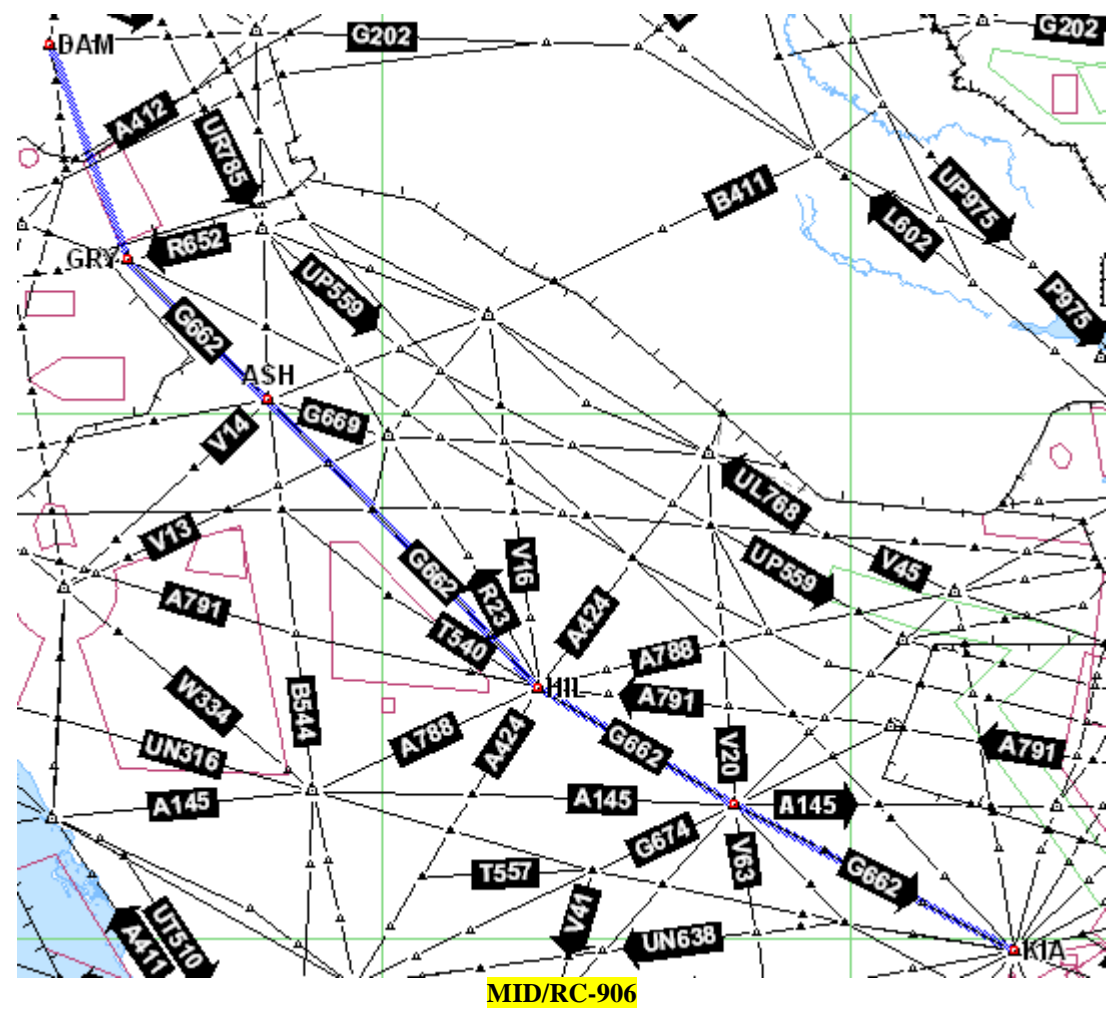


MID/RC-904

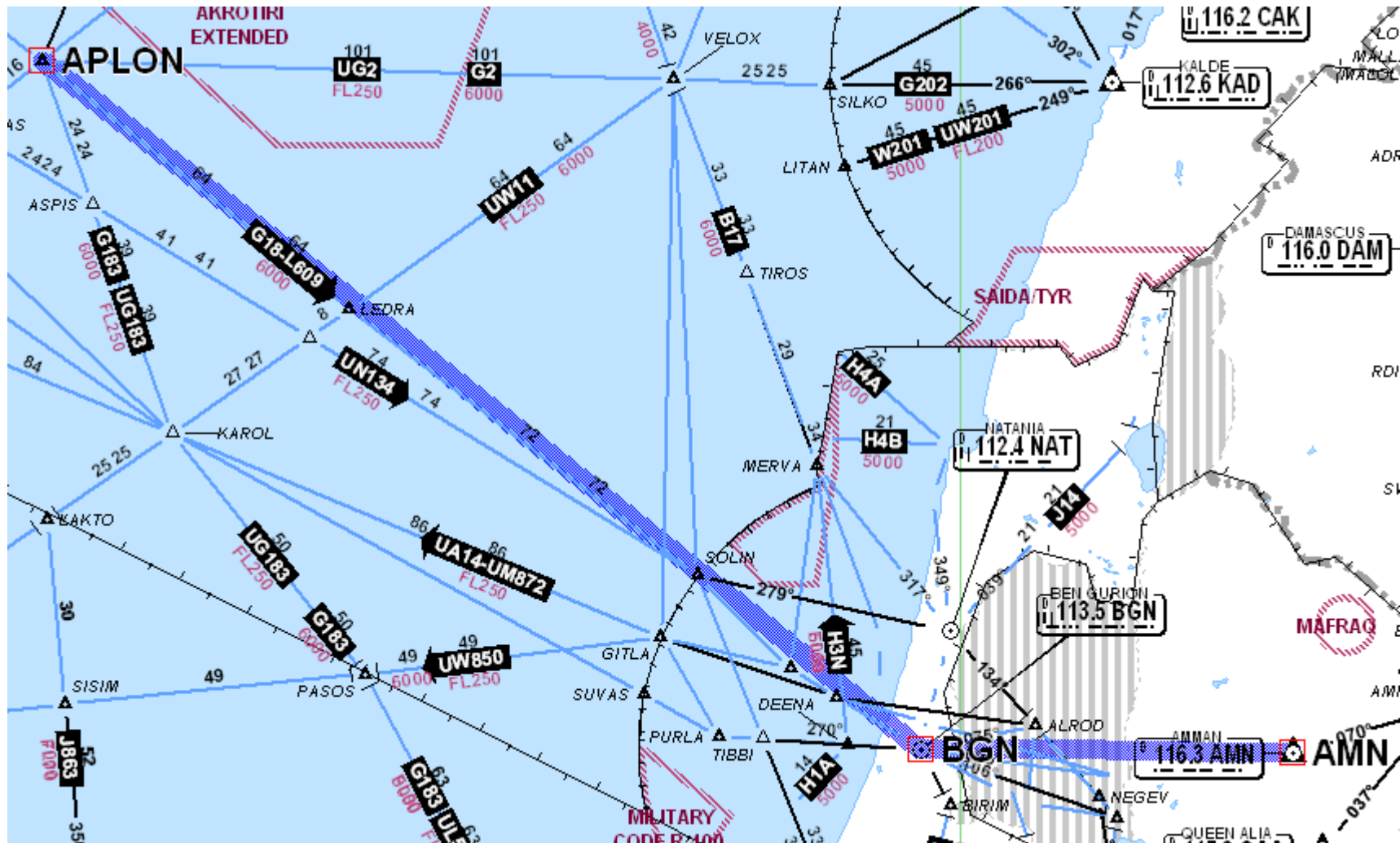
MID/RC-905 (ex G660)	ATS Route Name:	Entry-Exit: JDW-ADV	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
	New Route						Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
KING ABDULAZIZ ABU DHABI * Note3 (OE, OM)		Saudi Arabia Bahrain UAE						
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks		Military restrictions					Last updated	ARN TF/3 March 2010



MID/RC-906 (ex G662)	ATS Route Name: New Route	Entry-Exit: DAM-KIA	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
[DAMASCUS] [GURIAT] AL SHIGAR HAIL GASSIM KING KHALID		Syria Amman		DAMASCUS – GURAIT not implemented				
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

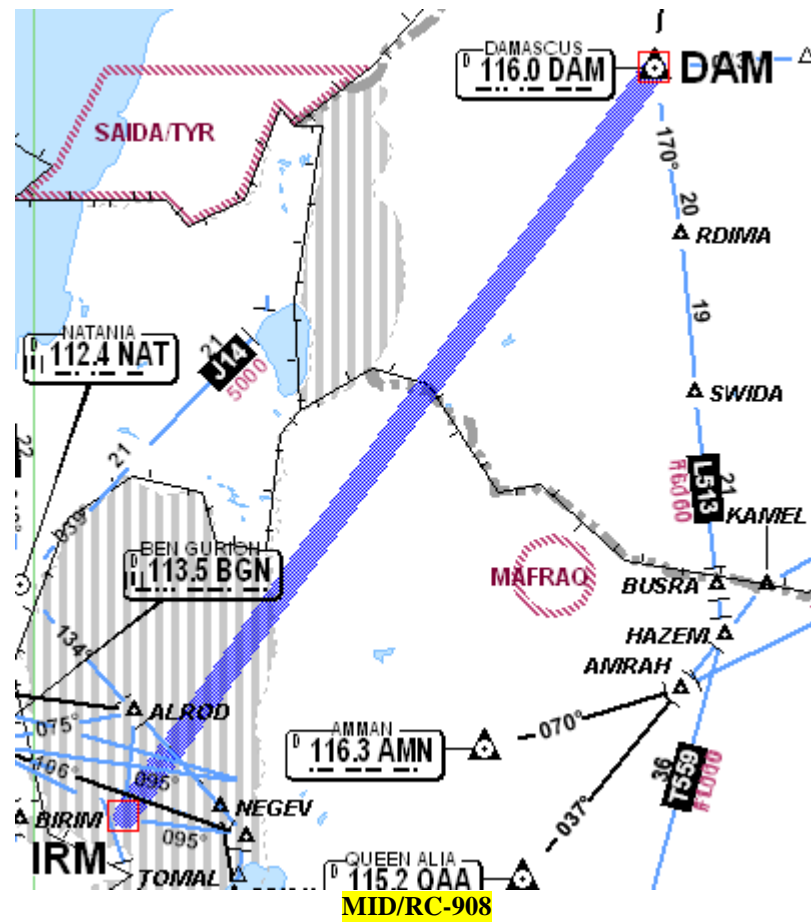


MID/RC-907 <i>(ex G664)</i>	ATS Route Name: New Route	Entry-Exit: APLON-AMMAN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
APLON 3352.0N 03204.0E BEN GURION AMMAN		Amman Tel-Aviv						
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010



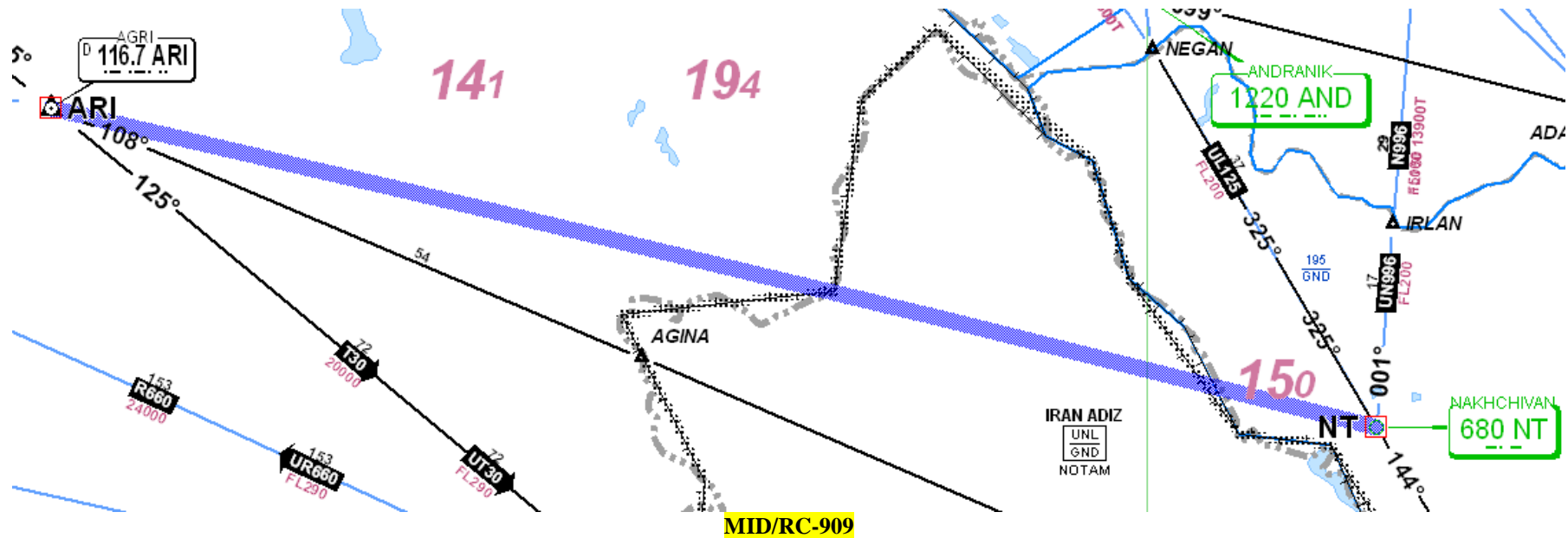
MID/RC-907

MID/RC-908 (ex R653)	ATS Route Name: New Route	Entry-Exit: JERUSALEM DAMASCUS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
JERUSALEM RAMTHA DAMASCUS		Damascus Tel-Aviv						
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010



4A-87

MID/RC-909	ATS Route Name: New Route	Entry-Exit: ARI (Agri) NT (Nakhchivan)	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Turkey (2002)
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
ARI (Agri) AAAAA (TUR/IRN BDRY) BBBBB (IRN/AZE BDRY) NT (Nakhchivan)		Turkia Iran Yerevan (AZE)						
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



ARN TF/3-REPORT
 APPENDIX 4A

4A-88

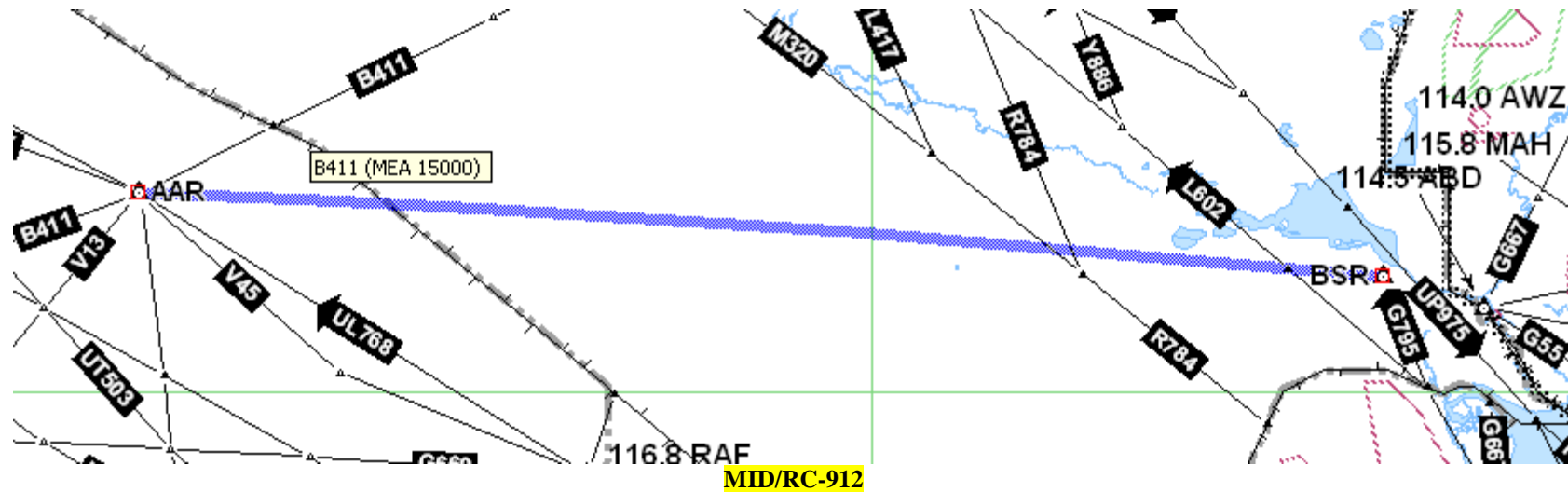
MID/RC-910	ATS Route Name: New Route	Entry-Exit: BNA-KATAB- SEMRU	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
BNA (N32 07.5 E020 15.2) – KATAB (N29 25.0 E029 05.1) – SEMRU (N28 02.0 E032 03.1)				New ATS route.		For future consideration		
Flight Level Band: FL290 – FL410								
Potential City Pairs: CMN/ALG/TUN/TIP-DOH								
Conclusions/Remarks	This AWY would save considerable track miles BNA – KATAB – SEMRU Libya FIR to Egypt FIR					Last updated	ARN TF/1, July 2008	

ARN TF/3-REPORT
APPENDIX 4A

4A-90

MID/RC-911	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any	Users Priority	High	Originator of Proposal	IATA
	New route	DELMA-A145				Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implementation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action
<p>From DELMA in the CAI FIR a route to point DDDDD on B544 18NMs south of UA791 (SOBAS) and crosses: CAI-JED FIR Boundary at AAAAA, 33 NMs south of KITOT V54 at BBBB, 13 NMs south of TBK, W334 at CCCCC, 31 NMs south-east of TBK from DDDDD to FFFFF on A424 18 NMs south of UA791(HIL) and crosses: A788 at EEEEE 31 NMs south-west of HIL from FFFFFto MGA on A145 ad crosses: G662 at GGGGG, 47 NMs south-east of HIL V20 at HHHHH, 24 NMs south of NALBU B417 at IIII, 20 NMs south-west of RARLO W333 at JJJJ, 10 NMs south-west of SERPU UT503 at KKKKK, 9 NMs south-east of SERPU, and W23 at LLLLL, 36 NMs south of SIBLI from MGA, the route continues normally on A145.</p>		Egypt				- Egypt and Saudi Arabia will consider the proposal for future. Parallel to A791/A145	
Flight Level Band: Upper Airspace							
Potential City Pairs:							
Conclusions/Remarks					Last updated		ARN TF/1, July 2008

MID/RC-912 <i>(ex B401)</i>	ATS Route Name: New route	Entry-Exit: ARRAR – BASRAH (BSR)	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
ARAR (AAR) BASRAH (BSR)		Saudi Arabia Iraq				- Not feasible at present.		
Flight Level Band: Upper Airspace								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



ARN TF/3-REPORT
APPENDIX 4A

4A-92

MID/RC-913 (ex B410)	ATS Route Name: New route	Entry-Exit: MUT – DAMASCUS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
MUT CHEKA (CAK) * Note 3 (OS) DAMASCUS (DAM)		Turkey Syria		Not implemented				
Flight Level Band: Upper Airspace								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010

4A-93

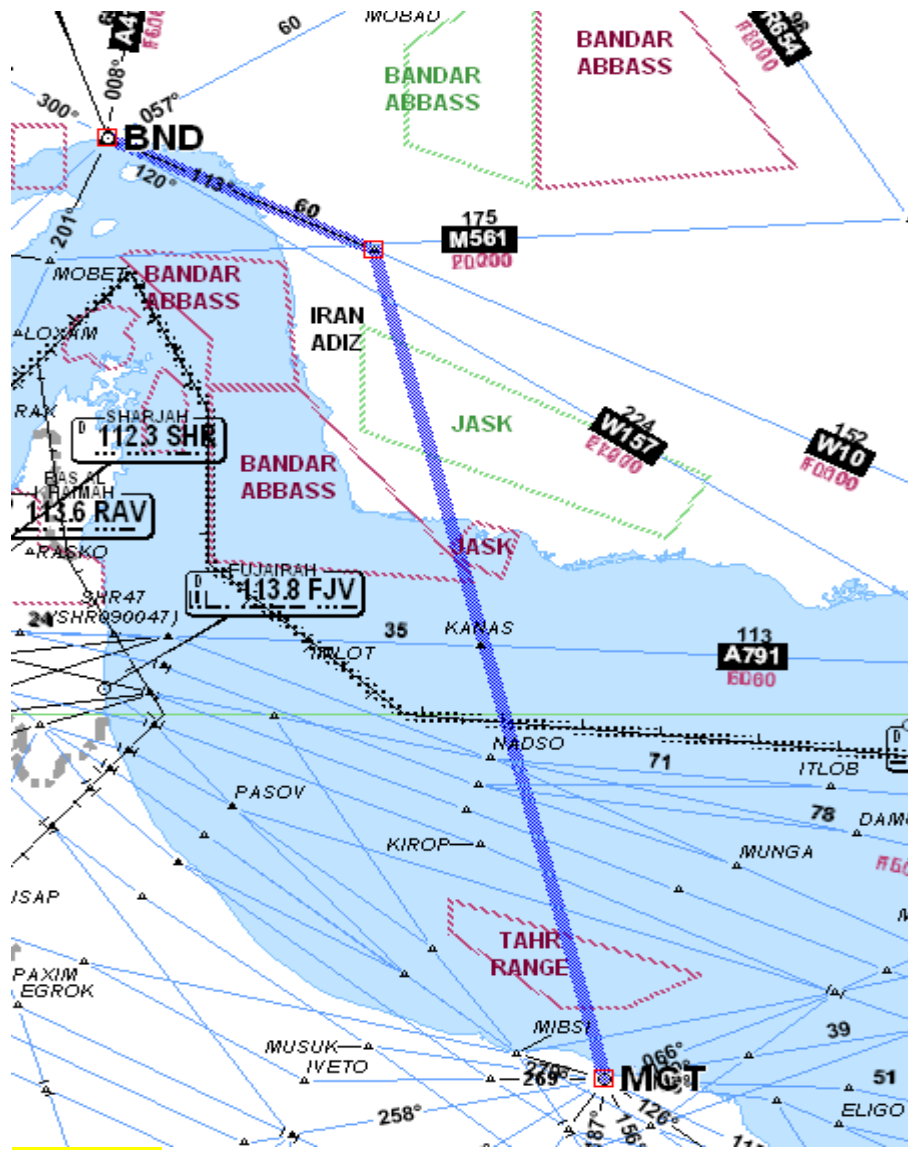


MID/RC-913

ARN TF/3-REPORT
APPENDIX 4A

4A-94

MID/RC-914 (ex R658)	ATS Route Name: New route	Entry-Exit: MUSCAT - BANDAR ABBAS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken/Required	Deadline for each Action	
SEEB Muscat (MCT) MELMI 2647.0N 05723.0E BANDAR ABBAS (BND)		Iran Oman		Not implemented.				
Flight Level Band: Upper Airspace								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/3 March 2010	



MID/RC-914

ARN TF/3-REPORT
 APPENDIX 4A

4A-96

MID/RC-.....	ATS Route Name:	Entry-Exit:	Inter-Regional Cross Reference if any	Users Priority	High	Originator of Proposal		
						Date of Proposal		
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required	Deadline for each Action
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated		

ARN TF/3
Appendix 4B to the Report on Agenda Item 4

**ATS ROUTE PROPOSALS UNDER CONSIDERATION
BETWEEN EGYPT, LIBYA AND MALTA**

Proposal	Description	States Concerned	Remarks/Progress
1	SUDI-K – SRT Southbound only	Libya - Malta	
2	LAB – INDOT Northbound only	Libya - Malta	
3	DOLFI – BNA Southbound only	Libya - Malta	
4	NAVLO – MB Southbound only	Libya - Malta	
5	ORTAP - BRN	Egypt - Libya - Malta	Egypt has no objection to establish the route as Uni-directional.
6	BINKO - RASNO - LOSUL Southbound only	Egypt - Libya - Malta	Egypt has no objection to establish the route as Uni-directional.
7A	DHR - LUMED Northbound only	Libya - Malta	
7B	SUDI-K - DHR Southbound only	Libya - Malta	
8	AMIBO – DBA	Egypt - Libya - Malta	
9	PAN – DEKIL	Libya - Malta	

AMENDMENT PROPOSAL

PROPOSAL FOR AMENDMENT OF ICAO MID BASIC AIR NAVIGATION PLAN

(Serial No. MID 08/XX - ATS) (For ICAO Secretariat)

Name of proponent State.....Xxxxxxxxxx.....

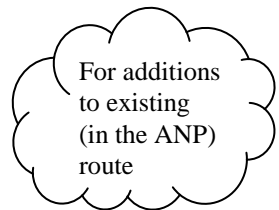
Name of focal point (Drafter)Mr B. Yyyyyyyyyyy.....

- a) **Plan:** MID Basic Air Navigation Plan
- b) **Proposed amendment:** Editorial note: Amendments are arranged to show “deleted text” using strikethrough (~~text to be deleted~~), and “added text” with grey shading (text to be inserted).

- 1) **Add** requirements for ATS routes B419 and UB419 as follows:

B419 **KING FAHD**
ALVON 2700.2N 05007.2E
KURSI 275742N 0491918E
KUWAIT

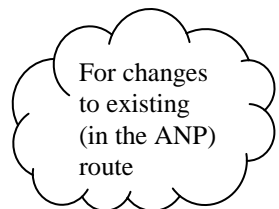
UB419 **KING FAHD**
ALVON 2700.2N 05007.2E
KURSI 275742N 0491918E
KUWAIT



- 2) **Amend** requirement for ATS routes G665 and UG665 as follows:

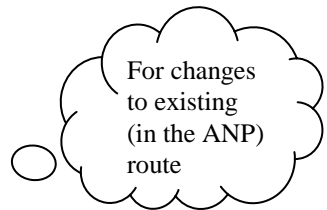
G665 **BASRAH**
ABADAN
SHIRAZ * Note 5 (OI)
NABOD 2816.1N 05825.8E
EGSAL 2716.8N 06249.0E
(PANJGUR)

UG665 **BASRAH**
ABADAN
SHIRAZ * Note 5 (OI)
NABOD 2816.1N 05825.8E
EGSAL 2716.8N 06249.0E
(PANJGUR)



- 3) **Amend** requirement for ATS route UL602 as follows:

UL602 **BAHRAIN**
ALVON 270009N 0500711E*Note 7
~~SELEG 280130N 0492212E~~
RAPSI 282326N 0490551E



~~DARVA 284814N 0484734E~~
~~KURSI 275742N 0491918E~~
~~DASTI 282141N 0490259E~~
ALVIX 2919.3N04824.2E
FALKA 292611N 0481819E
TASMI 300120N 0475505E
BASRAH
LOVEK 322206N 0444000E
DELMY 331911N 0431731E
ELEXI 344237N 0411054E
DRZ 351724N 0401124E
KUKSI 364508N 0374910E
GAZ 365701N 0372824E

- 4) **Add** the requirement for ATS route B650 as follows:

B650

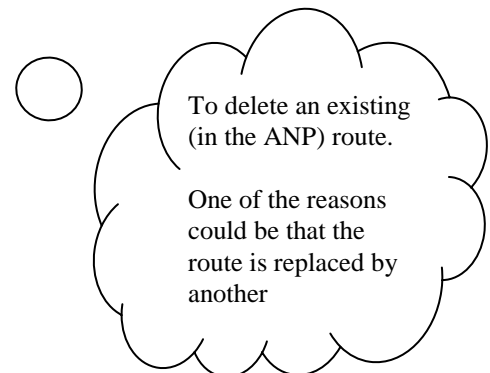
BUNDU
BATHA



- 5) **Delete** the requirement for ATS routes G### as follows:

~~G###~~

~~SAMPL~~
~~OTHER~~
~~CROSS * Note 5 (OI)~~
~~ROAMS 2916.1N 05825.8E~~
~~GOING 2916.8N 06249.0E~~
~~(DESTINATION)~~



(cf. Table ATS 1, Chart ATS 1/2)

- c) **Originated by:** MIDANPIRG ATM/SAR/AIS/9, Special Baghdad FIR Coordination Meeting (SBFCM) (Cairo, 28-29 May 2008) and ATS Route Network Task Force/1 (ARN TF/1); Bahrain, Kuwait and Qatar.

- d) **Originator's reasons for amendment:** As a result of a review of the ATS route requirements for the MID Region, the ATM/SAR/AIS/9 and ARN TF/1 agreed that ATS route G669 which had been removed from the requirements as an editorial error, should be restored. However, the requirement has been modified by removal of segment KARIATAIN-TONTU-AL SHIGAR, which had been found not to be practical. The ARN TF/1 agreed to the proposal by Bahrain and Qatar for the establishment of an ATS route BUNDU-BATHA (B650) to provide a link from Doha to the South into R659 at BATHA, to address immediate user needs. This provides an alternative to the segment Doha-MIGMA on ATS route R659/UR659,

which remains unimplemented. The distance saving from currently available routing Doha to North and Southern Africa is about 204 nm per flight. Significant point MIGMA on ATS routes R659/UR659 in Bahrain FIR is to be replaced by BATHA at which a VOR (BAT) is located. The ARN TF/1 also endorsed the SBFCM proposal to extend G665 from Abadan to Basrah to make it accessible to route network in the Baghdad FIR.

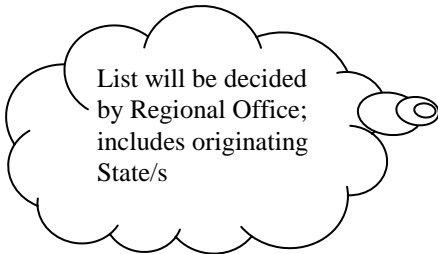
Kuwait has proposed addition of ATS route B419 to the requirement. B419 had been removed from requirements in 2007 for future consideration. Kuwait has also proposed changes in trajectories of ATS routes UL602 and UP975 in order to achieve airspace efficiencies.

e) Intended date of implementation:

As soon as practicable after approval.

f) Proposal circulated to following States and organizations:

- | | |
|---------------------------|--------------------------|
| Afghanistan | Oman |
| Bahrain | Pakistan |
| Cyprus | Qatar |
| Egypt | Saudi Arabia |
| Iran, Islamic Republic of | Sudan |
| Iraq | Syrian Arab Republic |
| Israel | United Arab Emirates |
| Jordan | United States of America |
| Kuwait | Yemen |
| Lebanon | IATA |
| Libyan Arab Jamahiriya | IFALPA |



g) Originator' Comments:

The changes proposed herein are the result of work undertaken by the MIDANPIRG Subsidiary Bodies the Middle East Offices of ICAO and individual States in the Region to enhance traffic flows and ATS route efficiencies.

ARN TF/3
Report on Agenda Item 5

REPORT ON AGENDA ITEM 5: REVIEW AND UPDATE THE DEFICIENCIES IN THE ATS ROUTES NETWORK

5.1 The meeting noted that the majority of the deficiencies are related to the elimination of portions/segments of ATS routes that are of variance to the ANP Table ATS 1- ATS Routes.

5.2 It was recalled that MIDANPIRG/11 developed Conclusion 11/86 related to the elimination of air navigation deficiencies as follows:

CONCLUSION 11/86: ELIMINATION OF AIR NAVIGATION DEFICIENCIES IN THE MID REGION

That,

- a) States review their respective lists of identified deficiencies, define their root causes and forward an action plan for rectification of outstanding deficiencies to the ICAO MID Regional Office;*
- b) States and users Organizations use the online facility offered by the ICAO MID Air Navigation Deficiency Database (MANDD) for submitting online requests for addition, update and elimination of air navigation deficiencies;*
- c) States increase their efforts to overcome the delay in mitigating air navigation deficiencies identified by MIDANPIRG and explore ways and means to eliminate deficiencies;*
- d) ICAO continue to provide assistance to States for the purpose of rectifying deficiencies when required, States request ICAO assistance through Technical Co-operation Programme, Special Implementation Projects (SIP) and/or other available mechanisms such as IFFAS, and*
- e) State are encouraged to seek support from regional and international organizations (i.e ACAC, GCC, etc) for the elimination of identified air navigation deficiencies.*

5.3 The follow-up on the updating of the list of deficiencies, which is considered as a living document, is an on-going process within the MIDANPIRG framework and the Secretariat is to reflect these identified/reported air navigation deficiencies in the MID Region. The meeting reviewed and updated the list of deficiencies as at **Appendix 5A** to the Report on Agenda Item.

5.3 Based on the above, States were urged to nominate a focal point to update the ICAO MID Air Navigation Deficiency Database (MANDD).

ARN TF/3
Appendix 5A to the Report on Agenda Item 5

Deficiencies in the ATM/SAR Field

BAHRAIN

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Bahrain with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Bahrain	Jun, 2010 2011	A
2	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	Under development. Agreements yet to be signed with Oman and UAE Kuwait, Qatar, others being negotiated	O	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Bahrain	Dec, 2009 Mar 2010	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

EGYPT

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Most of MID States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Egypt has promulgated regulations and started development of SAR agreement with Cyprus and other States	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Egypt with neighboring States	Dec, 2009 Dec 2010	A
2	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	Under development	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Egypt	Jun, 2008 Dec 2010	A
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	-	H	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Egypt ICAO	Jun, 2008 Dec 2010	A
4	MID ANP Table ATS-1	-	ATS Route L/UL315 not implemented	Mar, 2007	The segments CAIRO-HURGHADA-GIBAL are not implemented (Alternative A727)	S	-	Egypt	Dec, 2008 Dec 2010	B

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

IRAN

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Most of MID States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Iran with neighboring States	Dec, 2010	A
2	Annex 11 Para. 2.30	-	Development of contingency plans	Nov, 2006	Ongoing	H O	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Iran	Sep, 2010	A
3	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	Ongoing	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Iran	Dec, 2010	A
4	MID ANP Table ATS-1 Plan of ATS routes	Iran / UAE	ATS routes A418/UP574 not implemented KUMUN – PAPAR	Dec, 2006	KUMUN-PAPAR segment not implemented	S	States to continue negotiations with one another. Iran has no plan to implement the route segment	Iran and UAE	Jun, 2008	B

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Deficiencies in the ATM/SAR Field

IRAQ

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Iraq with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Iraq with neighboring States	Dec, 2009 Dec 2010	A
2	MID ANP Table ATS-1 Plan of ATS Routes	-	ATS route G667 not implemented	Sep, 2006	Iraq has no plan to open the route	S	-	Iraq Iran Kuwait	Jun, 2008 Dec 2010	B
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	-	S	Need to develop and promulgate contingency plan for implementation in the event of disruption of ATS and related supporting services	Iraq ICAO	Dec, 2009 Jun 2010	A
4	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	-	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Iraq	Dec, 2009 Dec 2010	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
5	MID ANP Table ATS-1 Plan of ATS routes	Iraq and Syria	ATS route UP975 not implemented in the Baghdad and Damascus FIRs	Dec, 2003	Coordination between Iraq and Syria. Notam issued opening route in Baghdad FIR	S	States to negotiate with one another and coordinate opening of the route	Iraq/Syria	Dec, 2008	B
6	MID ANP Table ATS-1 Plan of ATS routes	Iraq and Syria	ATS route UL602 not implemented in the Baghdad and Damascus FIRs	Dec, 2003	Coordination between Iraq and Syria. Notam issued opening route in Baghdad FIR	S	States to negotiate with one another and coordinate opening of the route	Iraq/Syria	Dec, 2008	B
7	Annex 11 Para. 3.3.4.1	-	Non-provision of updated list of RVSM approved aircraft to the MID RMA	Oct, 2008	-	O	Need to provide the MID RMA with required data on regular basis in order to enable it to discharge its functions and responsibilities	Iraq, MID RMA, ICAO	Mar, 2009	A
8	MID ANP Table ATS-1 Plan of ATS routes	-	ATS route G795 Rafha- Basrah segment not implemented	May, 2008	Coordination between Iraq and Saudi Arabia.	S	States to negotiate coordination issues between the two FIRs, update LoA and coordinate opening of the route	Iraq and Saudi Arabia	Jul, 2009 Dec 2010	B
9	MID ANP Table ATS-1 Plan of ATS routes	-	ATS route A424 LOTAN - Baghdad segment (Baghdad FIR) not implemented	May, 2008	Communication problems between concerned FIRs	O	No plan to open the route.	Iraq	Dec, 2008 June 2010	B
10	MID ANP Table ATS-1 Plan of ATS routes	-	ATS route L126 SOGUM – MIGMI segment not fully implemented	May, 2008	Segment SIGNI – MIGMI closed	S	States to negotiate with one another and coordinate opening of the route. Date of completion not determined	Iran, Iraq	Dec, 2008	B

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Deficiencies in the ATM/SAR Field

ISRAEL

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Israel with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Israel with neighboring States	Dec, 2008	A
2	MID ANP Table ATS-1 Plan of ATS routes	Israel Cyprus	ATS route B406 not implemented	Dec, 1997	No sections implemented Implemented as B17/UB17 Larnaca-MERVA(FIR BDY)	S O	To be followed by both the ICAO EUR and MID Offices	Israel Cyprus ICAO to assist	Dec, 2008	B
3	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	-	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Israel	Dec, 2008	A
4	Annex 11 Para. 2.30	-	Development of contingency plans	Nov, 2006	-	H S	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Israel	Dec, 2008	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
5	Annex 11 Para. 3.3.4.1	-	Non-provision of updated list of RVSM approved aircraft to the MID RMA	Oct, 2008	-	O	Non-provision of updated list of RVSM approved aircraft to the MID RMA	Israel, MID RMA, ICAO	Dec, 2008	A

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Deficiencies in the ATM/SAR Field

JORDAN

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	MID ANP Table ATS-1Plan of ATS routes	Jordan, Syria	ATS route G662 not implemented -- Negotiations with military ongoing, in advanced stage	Dec, 1997	Not implemented Damascus to Guriat	S	States to continue coordination to achieve implementation	Jordan, Syria	Jan, 2009 Dec 2010	B
2	MID ANP Table ATS-1Plan of ATS routes	Israel Jordan Syria	ATS route A412 not implemented	Dec, 1997	Most segments implemented. Only segment BGN – QAA not implemented- Jordan has no plan to open the route.	S	States to co-ordinate to finalize implementation-Realignment would be considered	Jordan, Syria, ICAO to assist	Dec, 2008 Dec 2010	B
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	National Contingency plan developed	H S	Need to develop and promulgate contingency plan for implementation in the event of disruption of ATS and related supporting services	Jordan	Mar, 2009 Dec 2010	A
4	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	Work in progres -- SMS developed and details will be forwarded to ICAO	F H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Jordan	Dec, 2008 Completed	A

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
5	MID ANP Table ATS-1	-	ATS Route UP559 not implemented	Mar, 2007	The segments TURAIF-TONTU-DAMASCUS-DAKWE-KHALDEH-KUKLA-LARNACA are not implemented	S	-	Jordan-Lebanon and Syria	Dec, 2008 Dec 2010	B
6	Annex 11 Para. 3.3.4.1	-	Non-provision of required data to the MID RMA on regular basis and in a timely manner	Oct, 2008	-	O	Need to provide the MID RMA with required data on regular basis, in order to enable it to discharge its functions and responsibilities	Jordan, MID RMA, ICAO	Mar, 2009 Completed	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

KUWAIT

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Kuwait with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Kuwait with neighboring States	Mar, 2009 Dec 2010	A
2	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	Implementation of SMS is expected to start in April 2007	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Kuwait	Mar, 2009 Dec 2010	A
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	Contingency Plan was signed with Bahrain and Iran. Work is progressing for the coordination with other neighboring States	H S	Need to develop and promulgate contingency plan for implementation in the event of disruption of ATS and related supporting services	Kuwait	Dec, 2009 Dec 2010	A
4	Annex 11 Para. 3.3.4.1	-	Non-provision of required data to the MID RMA on regular basis and in a timely manner	Oct, 2008	-	O	Need to provide the MID RMA with required data on regular basis, in order to enable it to discharge its functions and responsibilities -- Completion date not given	Kuwait, MID RMA, ICAO	Mar, 2009 Dec 2010	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
5	MID ANP Table ATS-1 Plan of ATS routes	-	ATS route G669 segment Rafha SOLAT not implemented	May, 2008	Airspace restrictions	S	Airspace restrictions to be addressed -- Kuwait has no plan to activate the route segment. Iraq ready to implement segment Rafha-SOLAT	Kuwait	Dec, 2008 Dec 2010	B

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

LEBANON

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Lebanon with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements. Agreement signed with Cyprus.	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Lebanon with neighboring States	Dec, 2008	A
2	MID ANP Table ATS-1 Plan of ATS routes	Lebanon Syria	ATS route G202 not implemented	Dec, 1997	Not implemented DAKWE - Damascus Economic impact- alternative routes available but longer- Not affecting safety	S	ICAO to follow-up. Lebanon intends to discuss realignment with Syria	Lebanon Syria	Dec, 2007	B
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	A plan has been developed and will be forwarded to the MID Regional Office	H O	Need to develop and promulgate contingency plan for implementation in the event of disruption of ATS and related supporting services	Lebanon ICAO	Dec, 2008	A
4	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	-	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Lebanon	Dec, 2010	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
5	MID ANP Table ATS-1	-	ATS Route UP559 not implemented	Mar, 2007	The segments TURAIF-TONTU-DAMASCUS-DAKWE-KHALDEH-KUKLA-LARNACA are not implemented	S	-	Jordan-Lebanon and Syria	Dec, 2007	B

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

OMAN

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Oman with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Oman with neighboring States	Jun, 2010	A
2	Annex 11 Para. 2.30	-	Development of contingency plans	Nov, 2006	Under development	H O	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Oman	Jun, 2010	A
3	Annex 11 Para. 3.3.4.1	-	Non-provision of required data to the MID RMA on regular basis and in a timely manner	Oct, 2008	-	O	Need to provide the MID RMA with required data on regular basis, in order to enable it to discharge its functions and responsibilities -- Completion date not given	Oman, MID RMA, ICAO	Jun, 2009	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

QATAR

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Qatar and Bahrain with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	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. No significant progress achieved- ICAO to assist	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Qatar and Bahrain	Jun, 2008 Dec 2010	A
2	MID ANP Table ATS-1 Plan of ATS routes	Bahrain Qatar Saudi Arabia	ATS route B419 not implemented	Dec, 1997	Not implemented Doha - King Fahd- Economic impact Subject to military restrictions Saudi Arabia ready to implement	S	States to continue negotiations with one another and military -- Qatar has no plan to implement the route.	Bahrain Qatar Saudi Arabia	Dec, 2007	B
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	Work in progress; agreement signed with Bahrain	S	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Qatar Bahrain ICAO	Jun, 2009 Completed	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
4	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	Details of SMS will be communicated to ICAO	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Qatar	Mar, 2009 Completed	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

SAUDI ARABIA

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Saudi Arabia with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements. Ready to sign agreement as per drafted (model) agreement presented at ATM/SAR/AIS SG/10 SAR National Board established	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Saudi Arabia with neighboring States	Jun, 2009	A
2	MID ANP Table ATS-1 Plan of ATS routes	Qatar Saudi Arabia	ATS route A415 implemented with variance to Table ATS 1	Dec, 1997	Doha to King Khalid implemented at variance with the Plan . slightly longer-Military restrictions Economic impact- Not affecting safety. Negotiations with military ongoing	S	- Timed Route	Saudi Arabia Qatar	Jun, 2009 Jun 2011	B

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	A draft contingency plan not fully compliant with the agreed template has been developed. Further work being done in coordination with adjacent States.	H O	Need to develop and promulgate contingency plan for implementation in the event of disruption of ATS and related supporting services	Saudi Arabia	Jun, 2009	A
4	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	QMS Department established. SMS development plan adopted in November 2007	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Saudi Arabia	Jun, 2009	A
5	MID ANP Table ATS-1	-	Segment METSA-Al SHIGAR of ATS Route B/UB 411 not implemented	Mar, 2007	Jordan and Saudi Arabia have already approved the segment	S	-	Saudi Arabia	Dec, 2008 Completed	B

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

SYRIA

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Syria with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing to sign agreements. Agreement with Turkey and Cyprus completed. Agreement with Jordan and Lebanon pending	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Syria with neighboring States	Dec, 2009 Dec 2010	A
2	MID ANP Table ATS-1 Plan of ATS routes	Lebanon Syria	ATS route G202 not implemented	Dec, 1997	Not implemented DAKWE - Damascus Economic impact- alternative routes available but longer- Not affecting safety	S	ICAO to follow-up -- Syria has no plan to implement the route	Lebanon Syria	Dec, 2008 Dec 2010	B
3	MID ANP Table ATS-1 Plan of ATS routes	Lebanon Syria	ATS route B410 not implemented	Dec, 1997	UL620 proceeding to BALMA then, R655- ChekkaChekka- Damascus to be implemented-Non – technical nature- Economic impact- Aircraft using longer routes	S	To be discussed in EMAC*** meetings.	Syria, ICAO to assist	Dec, 2009 Dec 2010	B

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
4	MID ANP Table ATS-1 Plan of ATS routes	Iraq Syria	ATS route UL602 not implemented in the Baghdad and Damascus FIRs	Dec, 2003	Coordination between Iraq and Syria	S	States to negotiate with one another and coordinate opening of the routes	Iraq and Syria	Mar, 2009 Dec 2010	B
5	MID ANP Table ATS-1 Plan of ATS routes	Iraq Syria	ATS route UP975 not implemented in the Baghdad and Damascus FIRs	Dec, 2003	Coordination between Iraq and Syria	S	States to negotiate with one another and coordinate opening of the routes	Iraq and Syria	Mar, 2009 Dec 2010	B
6	Annex 11 Para. 2.30	-	Development of contingency plans	Nov, 2006	Draft available	H O	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	Syria	Jun, 2010 Dec 2010	A
7	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	Committee established	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Syria	Jun, 2010 Dec 2010	A
8	MID ANP Table ATS-1	-	ATS Route UP559 not implemented	Mar, 2007	The segments TURAIF-TONTU-DAMASCUS-DAKWE-KHALDEH-KUKLA-LARNACA are not implemented	S	Syria has no plan to implement the route.	Jordan-Lebanon and Syria	Dec, 2008 Dec 2010	B
9	Annex 11 Para. 3.3.4.1	-	Non-provision of required data to the MID RMA on regular basis and in a timely manner	Oct, 2008	-	O	Need to provide the MID RMA with required data on regular basis, in order to enable it to discharge its functions and responsibilities	Syria, MID RMA, ICAO	Mar, 2009 Completed	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the ATM/SAR Field

UAE

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	UAE with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Work ongoing. The agreement with Bahrain and Oman to be updated and the one with Iran has to be developed/coordinated.	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	UAE with neighboring States	Dec, 2009 June 2011	A
2	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	Plan completed and Agreements signed with Bahrain and Oman. Others pending	O	Need to develop and promulgate contingency plans for implementation in the event of disruption of ATS and related supporting services	UAE	Dec, 2008 Dec 2010	A
3	MID ANP Table ATS-1 Plan of ATS routes	Iran / UAE	ATS routes A418/UP574 not implemented KUMUN – PAPAR	Dec, 2006	KUMUN-PAPAR segment not implemented	S	States to continue negotiations with one another	Iran and UAE	Jan, 2008 June 2011	B

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Deficiencies in the ATM/SAR Field

YEMEN

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	LIM/MID/RAN Concl. 3/7 Cooperation between States in SAR	Yemen with neighboring States	Lack of Search and Rescue Agreements between neighboring States	Nov, 1994	Ongoing	S	A. States to commence negotiations with neighbors to establish SAR agreements B. Implement operational SAR agreements C. Implement entry agreements for SAR aircraft of other States	Yemen with neighboring States	Dec, 2008 Dec 2011	A
2	Annex 11 para. 2.27	-	Implementation of ATS Safety Management	Nov, 2006	-	H	Need to establish a safety programme in order to achieve an acceptable level of safety in the provision of ATS	Yemen	Dec, 2008 Dec 2010	A
3	Annex 11 Para. 2.30	-	Development of contingency plan	Nov, 2006	Ongoing	H O	Need to develop and promulgate contingency plan for implementation in the event of disruption of ATS and related supporting services	Yemen	Dec, 2008 Dec 2010	A
4	Annex 11 Para. 3.3.4.1	-	Non-provision of required data to the MID RMA on regular basis and in a timely manner	Oct, 2008	-	O	Need to provide the MID RMA with required data on regular basis, in order to enable it to discharge its functions and responsibilities -- Completion date not given	Yemen, MID RMA, ICAO	Mar, 2009 Completed	A

⁽¹⁾ Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Note:* Priority for action to remedy a deficiency is based on the following safety assessments:

'U' priority = 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.

'A' priority = 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.

'B' priority = 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.

Definition:

A deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation.

⁽¹⁾ Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

ARN TF/3
Report on Agenda Item 6

REPORT ON AGENDA ITEM 6: FUTURE WORK PROGRAMME

6.1 The meeting agreed that, in accordance with the MIDANPIRG Procedural Handbook, and based on Terms of Reference (TOR) and Action Plan of the Task Force, the ARN TF/4 meeting could be tentatively scheduled for the second quarter of 2011. The actual dates however, would depend on MID Regional Office workload/activities and would thus be confirmed in due course. The duration of the meeting would be three (3) working days. The venue would be Cairo, unless a State indicates an interest in hosting the meeting.

6.2 The meeting agreed to the Provisional Agenda for the ARN TF/4 meeting, as in **Appendix 6A** to the Report on Agenda Item 6.

ARN TF/3
Appendix 6A to the Report on Agenda Item 6

FOURTH MEETING OF ATS ROUTES NETWORK TASK FORCE

(ARN TF/4)

PROVISIONAL AGENDA

STRATEGIC OBJECTIVES	AGENDA ITEM #	SUBJECT
D	1	Adoption of the Provisional Agenda
A and D	2	Follow-up on MIDANPIRG Conclusions and Decisions relevant to ATS Route Network
A, C and D	3	Review ATS Route Network
A and D	4	Amendments to the ATS route network Catalogue
D	5	Review/update the deficiencies in the ATS Routes Network
D	6	Future Work Programme
	7	Any other business

ARN TF/3
Report on Agenda Item 7

REPORT ON AGENDA ITEM 7: ANY OTHER BUSINESS

7.1 The meeting was briefed on the outcome of the Global Air Traffic Management Forum on Civil/Military Cooperation which was held at the ICAO Headquarters Montreal 19-21 October 2009. The Forum covered a number of subjects of interest aimed at fostering and promoting improved civil/military cooperation and coordination. Presentations and other related material have been made available at: <http://www.icao.int/GATM-CIV/MIL/> (English only).

7.2 The Forum agreed that much progress has been achieved in most of the ICAO regions in the management of the airspace and in the civil/military cooperation; however, it was recognized that continued improvements were required with regard to the cooperation between the authorities as well as with air navigation service providers. It was suggested that military representatives should participate in ICAO meetings, seminars and other related events as part of the delegations of States in order to promote and foster cooperation. Accordingly, the meeting was apprised of the MIDANPIRG/10 Conclusion 10/25 on the Civil Military Coordination issue as in below:

CONCLUSION 10/25: CIVIL/MILITARY COORDINATION

That, with a view to ensure effective/optimum civil/military co-ordination and joint use of airspace with a maximum degree of safety, regularity and efficiency of international civil air traffic, States that have not yet done so, are urged to:

- a) implement Assembly Resolution A35-14 Appendix P and the provision of Annexes 2, 11 and 15 as well as LIM MID (COM/MET/RAC) RAN Meeting 1996, Recommendations 2/9, 2/10 and 2/13;*
- b) give due consideration to the urgent establishment of civil/military coordination bodies for airspace management and air traffic control;*
- c) arrange for Letters of Agreement (LOA's) to be signed between ATS authorities and Military authorities in order to establish coordination procedures for the exchange of information; and*
- d) ensure that the Military authorities are:
 - i. fully involved in the airspace planning and management process;*
 - ii. aware of the new developments in civil aviation; and*
 - iii. involved in national, regional and international aviation meetings, workshops, seminars and training sessions, as appropriate.**

7.3 The meeting noted that ICAO, States, Military Authorities and other partners are working together to develop a manual on civil/military cooperation that will include best practices and lessons learned by States and it was requested that States forward their best practices, lessons learned, guidance material or educational material for possible inclusion, via email to gatm_civ_mil@icao.int, by **2 April 2010**.

ARN TF/3
Attachment A to the Report

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A-3

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A-5

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A-7

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