



International Civil Aviation Organization

Air Traffic Services Route Network Task Force (ARN TF)

Fifth Meeting

(Amman, Jordan, 05 - 07 February 2012)

Agenda Item 4: Amendments to the ATS Route Catalogue Action Items

AMENDMENTS TO THE ATS ROUTE NETWORK CATALOGUE

(Presented by the Secretariat)

<p style="text-align: center;">SUMMARY</p> <p>This paper presents the amendments to the ATS Route Network Catalogue and the route proposals from users.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;">REFERENCES</p> <ul style="list-style-type: none">- ARN TF/4 Report- ATM/SAR/AIS SG/12 Report- MIDANPIRG/12 Report

1. INTRODUCTION

1.1 The MIDANPIRG/12 meeting, held in Amman, 9-13 October 2010 was apprised on the outcome of the ATM/SAR/AIS SG/11 and the ARN TF/3 meetings related to the MID ATS Route Network.

1.2 The ATS Route Catalogue has been developed mainly to include proposals for further consideration/processing until such time a consensus is reached regarding the proposal(s) to be included in the MID Basic ANP and implemented by concerned States.

2. DISCUSSION

2.1 The meeting may wish to recall that The ARN TF/4 meeting re-iterated that the formal approval of the amendments to the ATS Route Network is the responsibility of ICAO and accordingly, the procedure for amendment of the Basic Air Navigation Plan, as approved by the ICAO Council, should be respected. Furthermore the States should follow ICAO established procedures and format for the amendment of the MID Basic ANP for their required ATS route changes, as at **Appendix A** to this working paper as endorsed by MIDANPIRG/12.

2.2 The meeting may wish to note that the ARN TF/4 meeting reviewed and updated the information in the MID ATS Route Catalogue containing the iFLEX ATS Route proposals relating to the MID Region where an extract of the discussions and updates are as at **Appendices B and C** to this working paper.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and take appropriate action to the information provided in **Appendix B** to this working paper; and
- b) review and update as necessary the information in the MID ATS Route Catalogue as at **Appendix C** to this working paper.

APPENDIX A

AMENDMENT PROPOSAL

PROPOSAL FOR AMENDMENT OF THE ICAO MID AIR NAVIGATION PLAN (DOC 9708), VOLUME I BASIC ANP

(Serial No. MID Basic ANP Year/XX - ATM) (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 strikeout (~~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

For additions
to existing
(in the ANP)
route

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)

For changes
to existing
(in the ANP)
route

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~~

For changes
to existing
(in the ANP)
route

RAPSI 282326N 0490551E
~~DARVA 284814N 0484734E~~
~~KURSI 275742N 0491918E~~
~~DASTI 282141N 0490259E~~
ALVIX 2919.3N 04824.2E
FALKA 292611N 0481819E
TASMI 300120N 0475505E
BASRAH
LOVEK 322206N 0444000E
DELM I 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

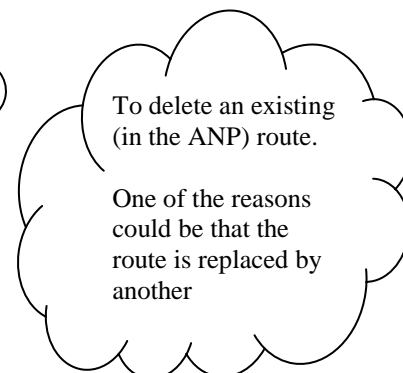
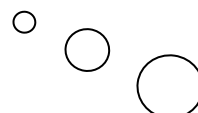
BUNDU
BATHA



- 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.

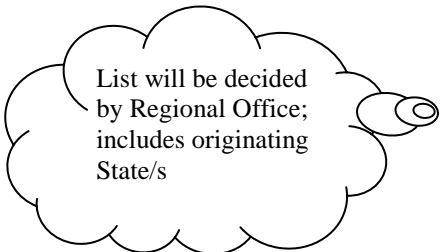
Kuwait has proposed addition of ATS route B419 to the requirement. B419 had been removed from requirements in 2007 for future consideration. Kuwait has also proposed changes in trajectories of ATS routes UL602 and UP975 in order to achieve airspace efficiencies.

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



List will be decided by Regional Office; includes originating State/s

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.

APPENDIX B

RESULT OF DISCUSSIONS OF THE MID ATS ROUTE CATALOGUE DURING THE
ARN TF/4 MEETING

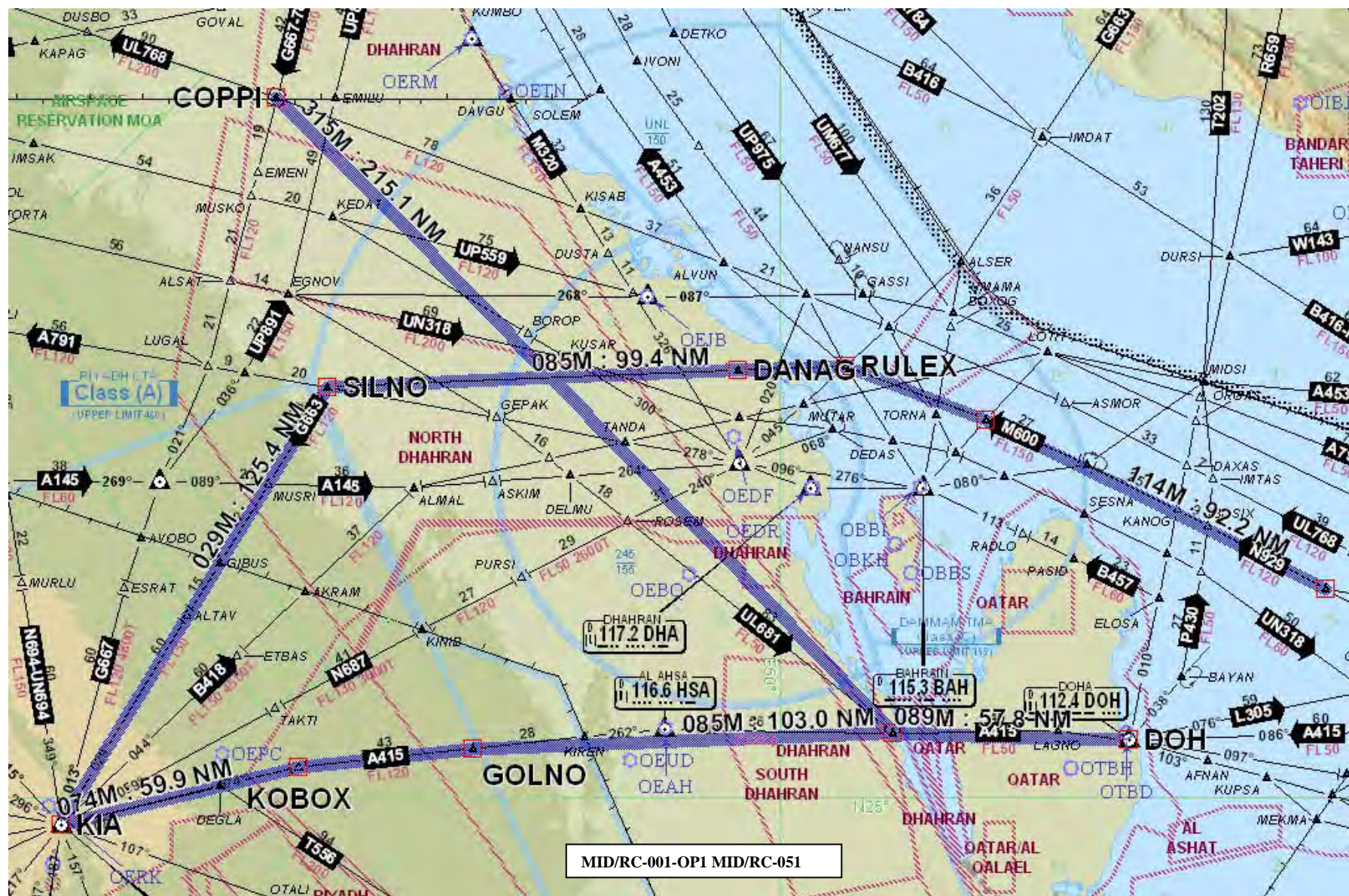
MID/RC NUMBER	ATS ROUTE NAME	ENTRY-EXIT	DECISION
RC-001	SALWA – COPPI	SALWA – COPPI	Saudi Arabia to investigate a timed route option
RC-001 Option 2	EGNOV- HFR	EGNOV- HFR	To be removed from Catalogue Completed
RC-002 Option 1,2 and 3	TONBA – KHG	TONBA – KHG	Egypt unable to accept route due to safety issues
RC-003	VUSET – ITRAX	VUSET – ITRAX	Not feasible as the route crosses other Climb out and decent ATS route and further goes through a Danger Area. Differed for the future
RC-004	Q707 UL681	EGNOV – SALWA	Implemented timed route
RC-005	SALWA – LOTOS – ASTIN	SALWA – LOTOS – ASTIN	An alternate RNAV1 route was proposed, and awaiting UAE response. No change
RC-006	A415	DOH – SALWA – KIREN	Implemented timed route
RC-008/11	New parallel A/Way to UL550	UAE, Egypt and beyond	Combine both proposals. - Egypt restudy the route and to provide an update next ARN TF
RC-013	UAE to Pakistan, India, and beyond to Asia/Pacific	UAE to Pakistan, India, and beyond to Asia/Pacific	Iran has recently developed M561 which might provide interim relief. This is similar routing as MID/RC-020 Iran put further proposal from KANAS to GOKSO which covers UAE Pakistan to be removed from Catalogue. A letter to be sent to Oman requesting comments on the revised proposal to the Northern portion on RC-13. Not acceptable due to dense traffic crossings and goes through Danger Areas climbing descending traffic. To be differed indefinitely -Similar to RC-003

MID/RC NUMBER	ATS ROUTE NAME	ENTRY-EXIT	DECISION
RC-018	New Route	Jordan to Cairo via DATOK TBA - W976	State and Military issues. Pending discussion between Egypt and Jordan
RC-019	DENDA R462 MIBSI P899 BUNDU	DENDA R462 MIBSI P899 BUNDU	Not feasible due to congestion (safety reasons) Differed for the future
RC-020	SODEB to/from MINAR	SODEB to/from MINAR	- Route was not supported by India - Differed for the future
RC-025	R652	METSA- ZAJ	- Saudi Arabia and Jordan do not approve for the extension of Route in Iraq suggested removal waiting for Iraq feed back
RC-026	W3	DZF – VAN	Turkey urged Iraq to remove the data from their AIP, and is to be moved to the deferred Category. Differed for the future.
RC-027	M320	KUA-RAPLU	- Not supported by Kuwait at present. - Needs further studies - Differed for the future
RC-037/038	MIDS I – DASDO IMDAT - MIDS I	MIDS I – DASDO IMDAT - MIDS I	- Another proposal put in by Bahrain and submitted to Iran
RC-049	R659	DOH-BAT	- Expected implementation September 2011 as a timed out route
RC-051	A415	DOH-KIA	- Still timed out route Same as RC 001 Whatever is related to A415 should be combined
RC-053	New Route	BALTIM – SHM	Penetrates military airspace. No updates
RC-055	New Route	MAK CVO	L315 to be discussed with Saudi Arabia for direction of route. Route established

APPENDIX C

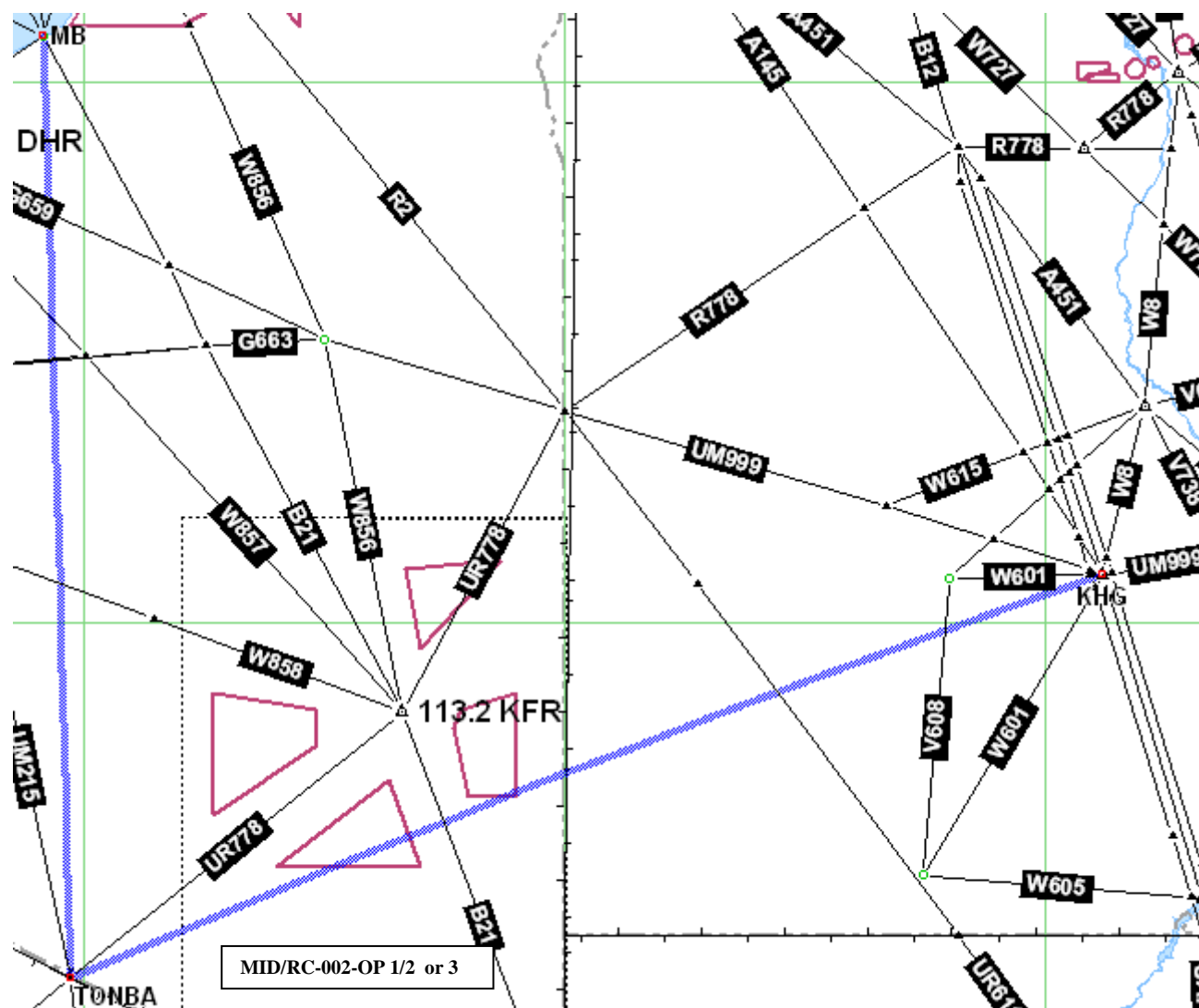
MID ATS ROUTES CATALOGUE

MID/RC-001 (Option 1) MID/RC-051	ATS Route Name: New AWY between SALWA-COPPI A415	Entry-Exit: SALWA-COPPI DOH - KIA	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. Still timed out route Same as RC 001 Whatever is related to A415 should be combined		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 OMAA to GMMN, HECA, HSSS, OEJN, OERK									
Conclusions/Remarks		Saving 88 miles, 10 daily flts, 34650 Kg of CO2 Daily					Last updated		ARN TF/4 May 2011

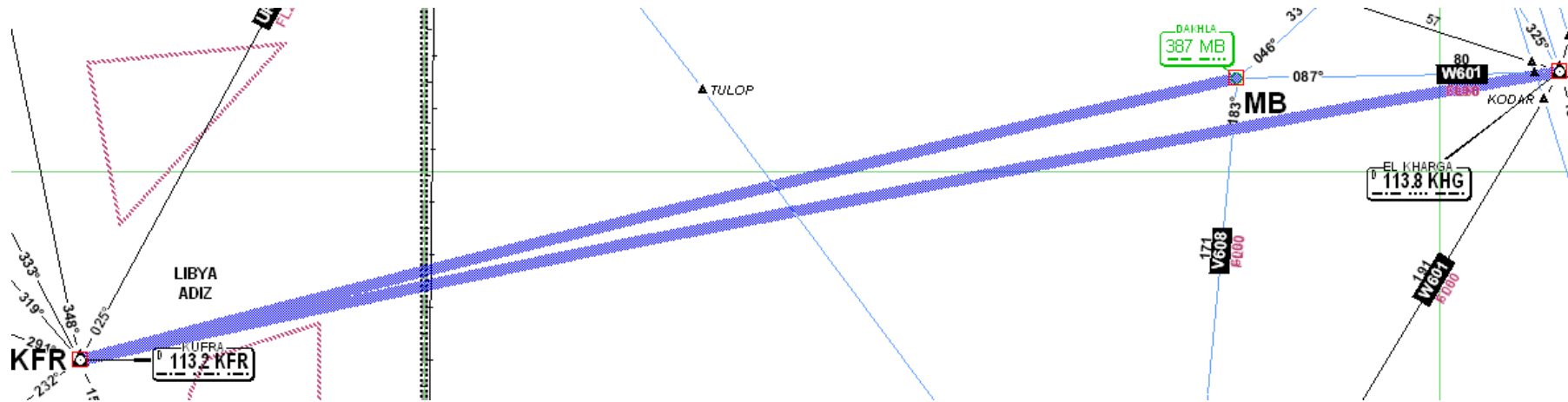


C-3

MID/RC-002 (Option 1, 2, 3 and 4)	ATS Route Name: New AWY Proposed between TONBA-KHG and KFR to MB (Dakhla) Or KHG	Entry-Exit: TONBA to KHG (Dakhla) 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
(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) (Opt 3) 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.			<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.- Differed for the future	TBD
Flight Level Band: FL290 – FL410								
Potential City Pairs: West Africa airports-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/4 May 2011



C-5



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.		Not in the ANP	Not acceptable due to dense traffic crossings and goes through Danger Areas climbing descending traffic. To be differed indefinitely Differed for the future Similar to RC-013	TBD
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/4 – May 2011



MID/RC-003

C-7

MID/RC-004	ATS Route Name: Q707-L681	Entry-Exit: EGNOV – SALWA	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) – 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			<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.	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			
					Keep as is			
Conclusions/Remarks		Urgent implementation necessary due rapidly building congestion in the Bahrain FIR					Last updated	ARN TF/4 May 2011



C-9

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 RNAV1 route was proposed waiting for UAE response. 1.- No change	Immediate
Flight Level Band: FL180 – FL410									Sept. 2008
Potential City Pairs: Doha – Eastern/ South Africa - Doha									June. 2009
Conclusions/Remarks		Replacement proposal (Doha-Bundu-U997-R659). Approved for immediate implementation.				Last updated			ARN TF/4 May 2011



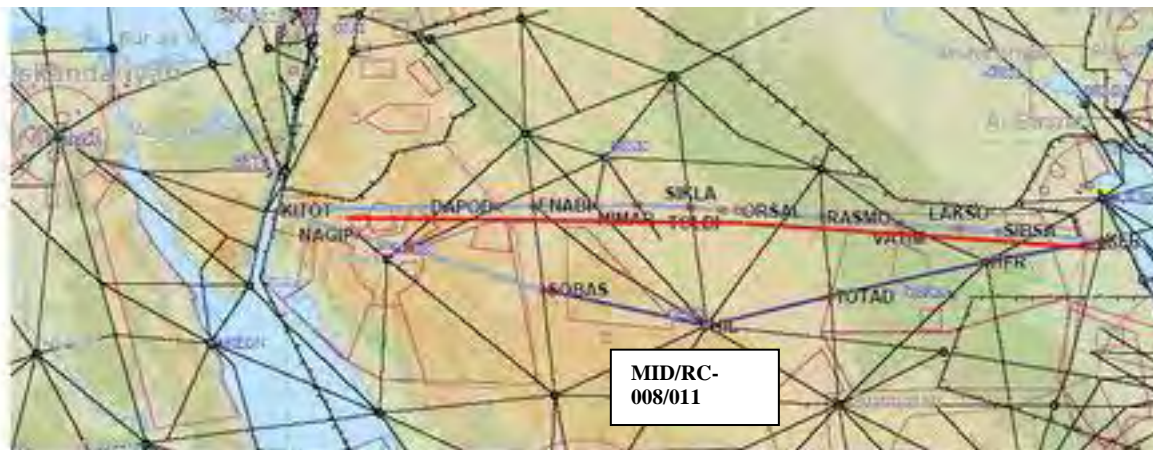
C-11

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 Implemen- tation 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- No change	<div>31 Oct. 2008</div> <div>Further Update to be provided by October 2009</div> <div>March 2010</div> <div>Mar 09</div>	
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/4 May 2011

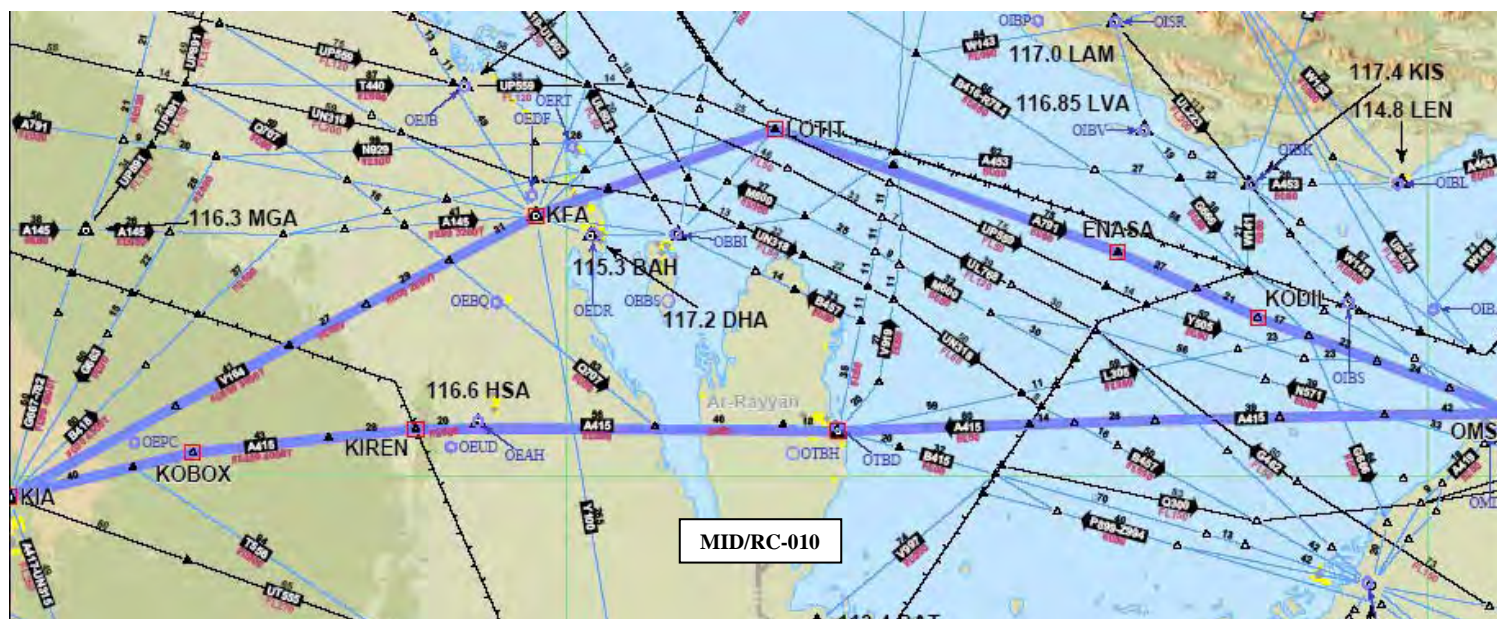


C-13

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 Implemen- tation 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- Egypt restudy the route and to provide an update next ARN TF	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/4 May 2011

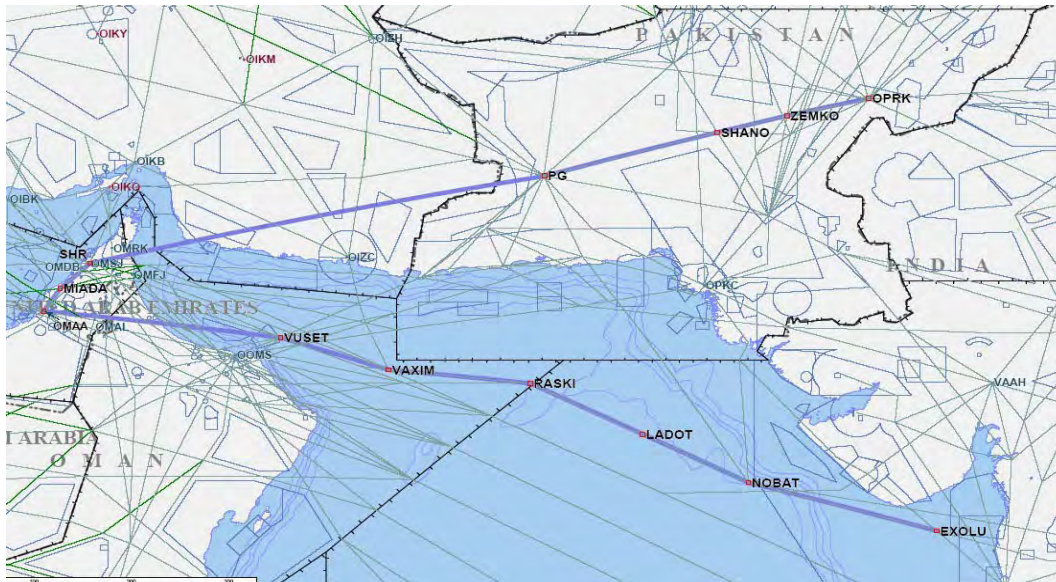


MID/RC-010	ATS Route Name: V164	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken/Required	Deadline for each Action
V164-N687 King Khaled (KIA). King Fahd (KFA) change from uni- direction eastbound to bi-direction.		Bahrain Saudi Arabia					- Bahrain has no objection for FL250 and below between KIA and KFA.	
Flight Level Band:							- Bahrain will study feasibility of traffic volume that can be permitted to descend below FL250.	
Potential City Pairs: For traffic from airports in Gulf region to Riyadh and beyond							- Not feasible at the moment	
							- Differed for the future.	
							- Saudi Arabia agrees.	
							- Timed route	
							- No change	
Conclusions/Remarks							Last updated	ARN TF/4 – May 2011



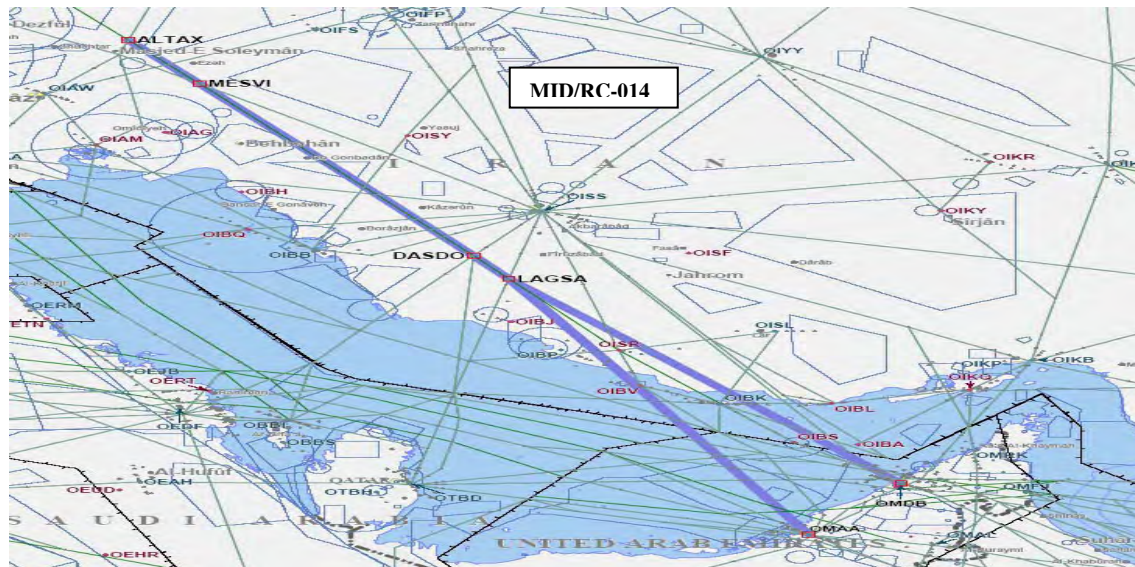
MID/RC-013	ATS Route Name: Gulf Region Eastbound	Entry-Exit: UAE to Pakistan, India, and beyond to Asia/Pacific	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	ARN TF/1
Route Description		States Concerned	Expected Implemen- tation date	Implementation 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					- To be submitted to Oman and APAC Office. - To be considered by ARN TF/2.	Aug. 2008
Flight Level Band: Upper Airspace								
Potential City Pairs: UAE to Pakistan, Indian & beyond to Asia/Pacific (unlimited)								
							To be combined with proposal MID/RC-020 - A letter to be sent to Oman requesting comments on the revised proposal to the Northern portion on RC-13. Not acceptable due to dense traffic crossings and goes through Danger Areas climbing descending traffic. To be differed indefinitely - Similar to RC-003	
Conclusions/Remarks		Iran has recently developed M561 which might provide interim relief. This is similar routing as MID/RC-020 Iran put further proposal from KANAS to GOKSO which covers UAE Pakistan to be removed from Catalogue					Last updated	ARN TF/4 May 2011

C-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 Implemen- tation 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/4 – May 2011

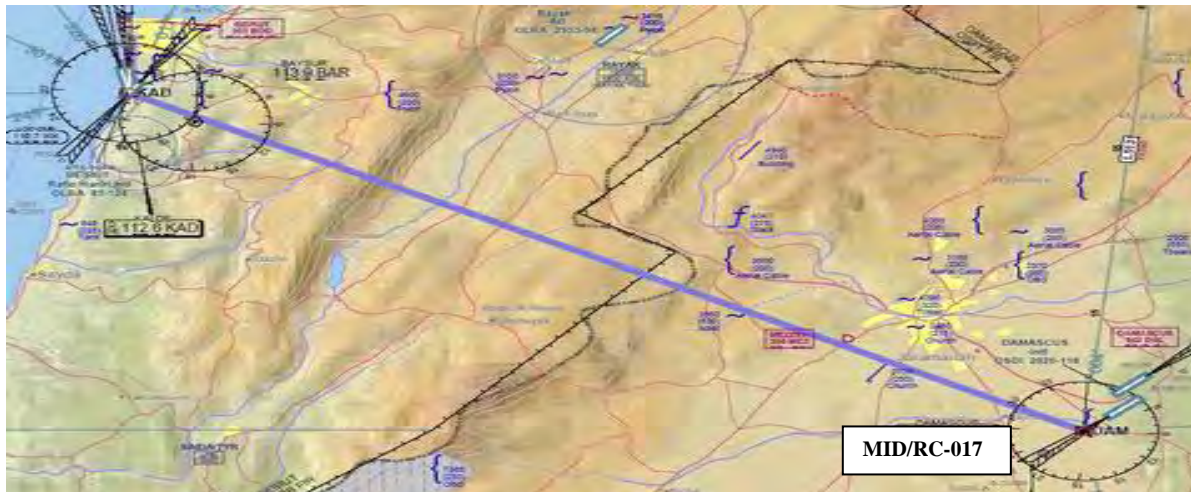


C-19

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 Implemen- tation 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-XXXXXX 23 NMs and DEBES-XXXXXX 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/4 – May 2011



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.				<div>- Syria will study the request and provide update after internal consultations.</div> <div>- ICAO MID Region to follow-up with SCAA.</div> <div>No updates</div>		TBD 30 Sept. 08 June 2009
Flight Level Band:												
Potential City Pairs:												
Conclusions/Remarks										Last updated	ARN TF/4– May 2011	



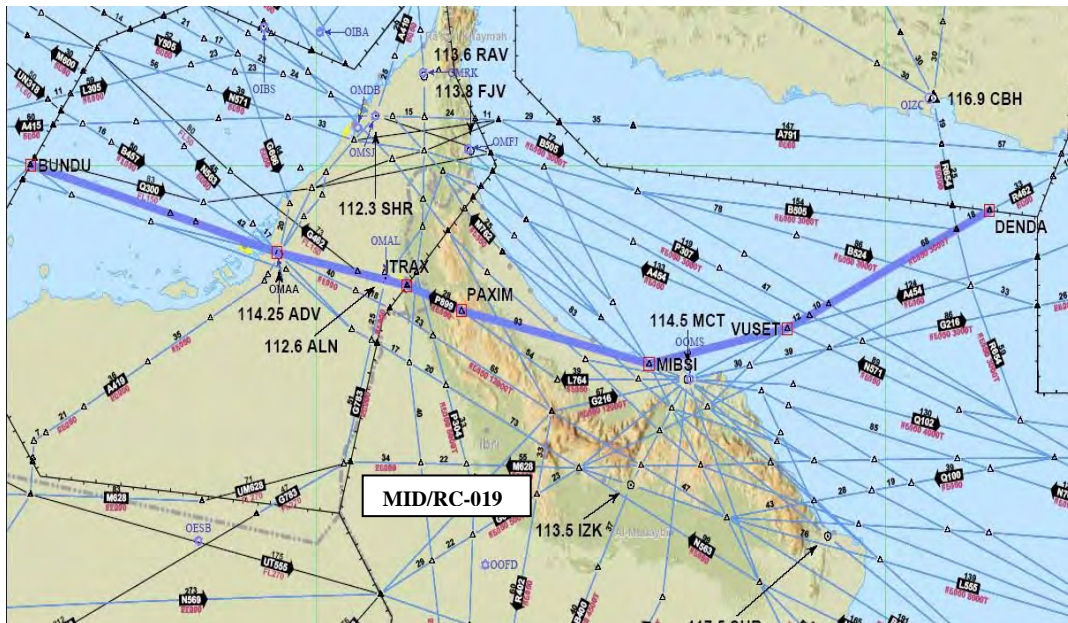
C-21

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 DATOK TBA-W976			Jordan Egypt		New ATS route.			<div>- 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.</div> <div>- State and Military issues</div> <div>Pending discussion between Egypt and Jordan</div>		TBD	
Flight Level Band:											
Potential City Pairs:											
Conclusions/Remarks								Last updated		ARN TF/4 May 2011	

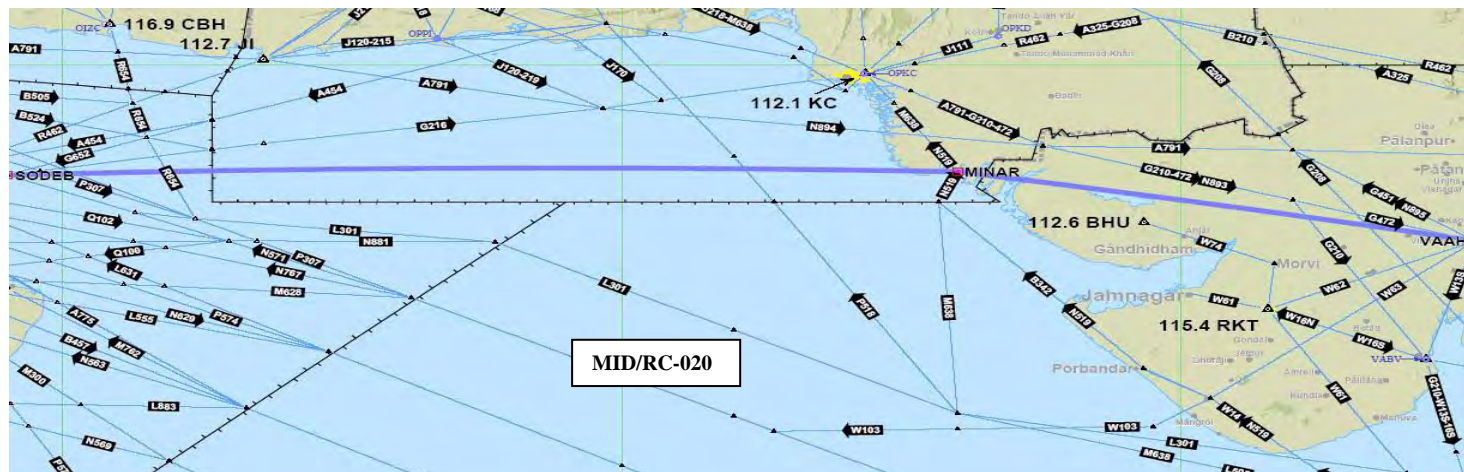


C-23

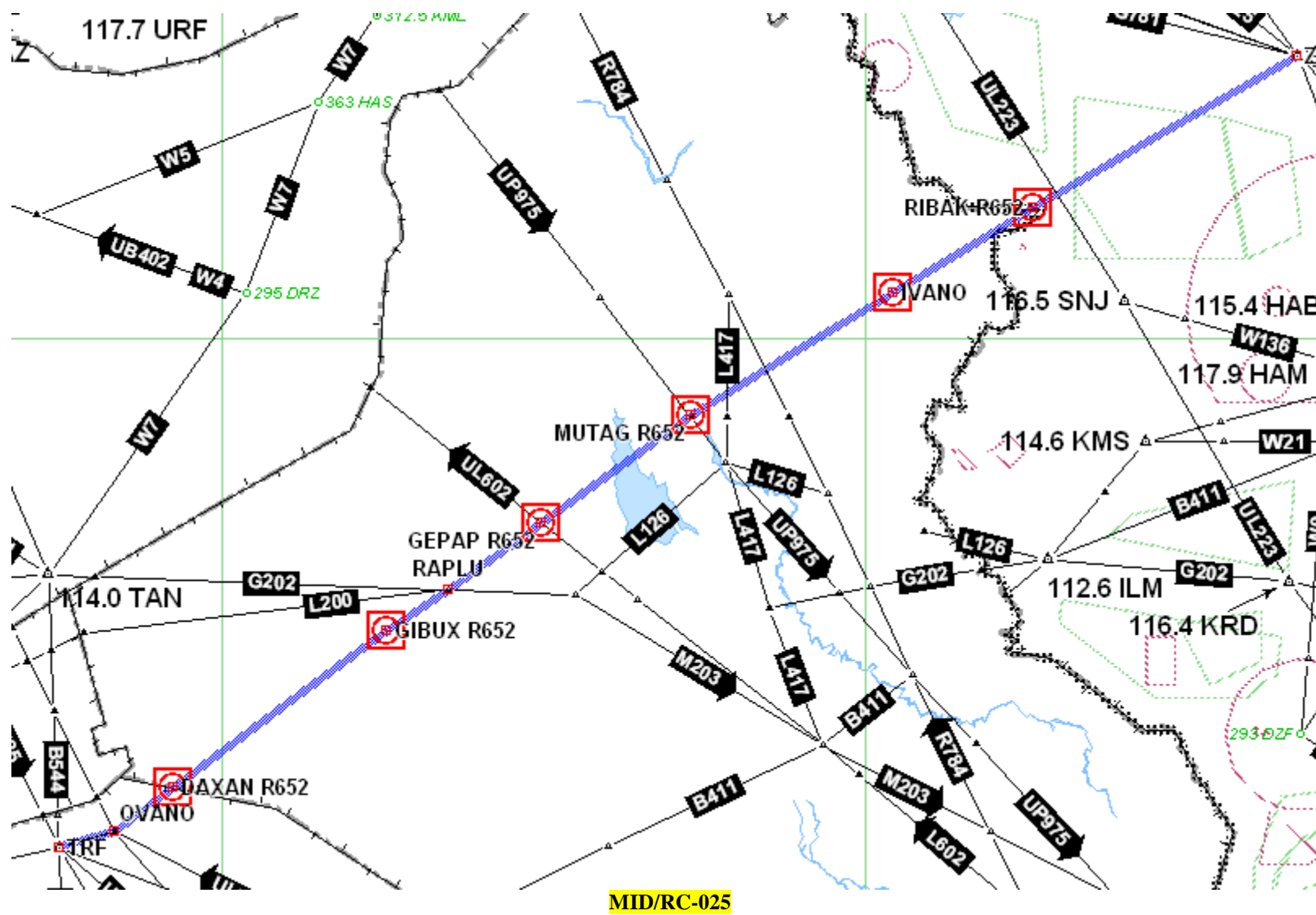
MID/RC-019	ATS Route Name: R462	Entry-Exit: DENDA-MIBSI	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA	
							Date of Proposal	ARN TF/1	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		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					<div>- SODEB to/from MINAR with 24 hours availability.</div> <div>- MINAR to Ahmedabad or Pratapgarh (PRA).</div> <div>- To be relayed to Oman and APAC Regional Office, Bangkok.</div> <div>Under consideration as unidirectional only</div> <div>Also being coordinated with APAC</div> <div>- Route was not supported by India .</div> <div>- Differed for the future.</div>	<div>Update October 2009; March 2010</div> <div>Route expected implementati on date Jun2010</div>
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					Last updated	ARN TF/4 May 2011

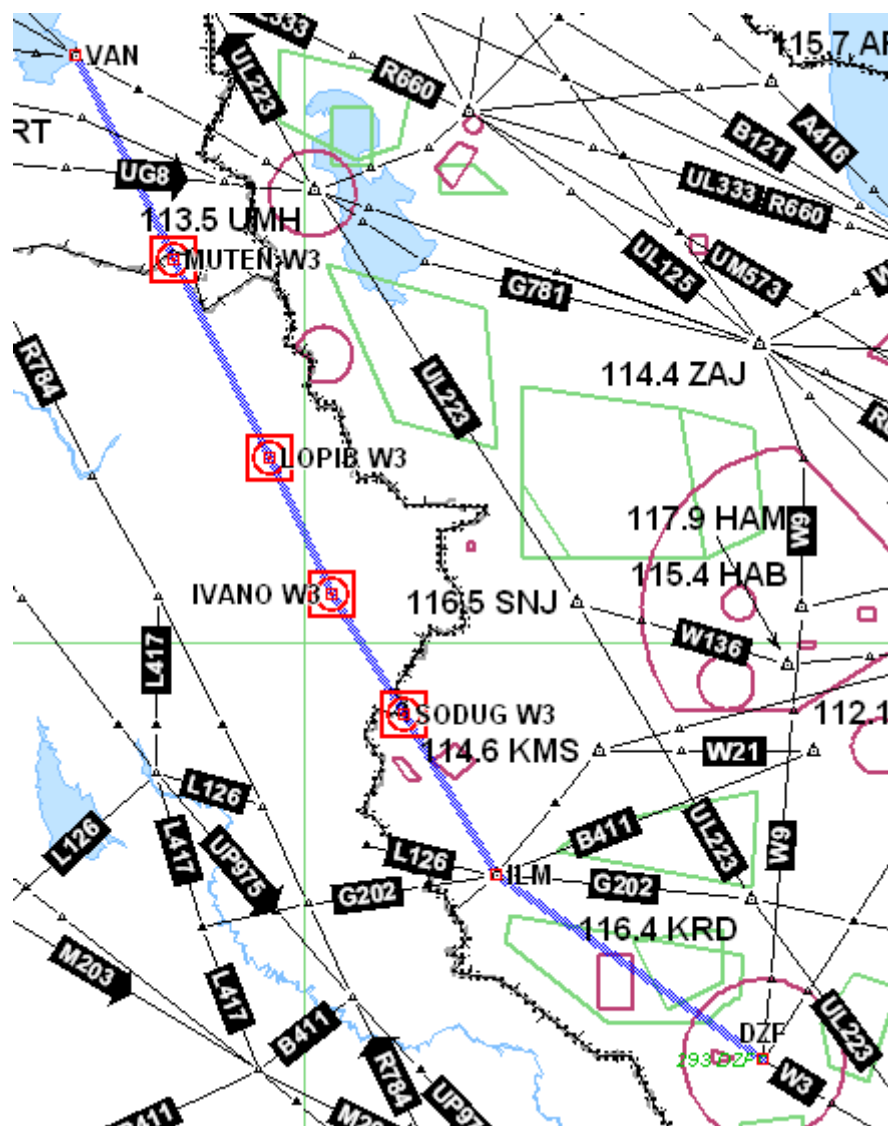


MID/RC-025	ATS Route Name: R652	Entry-Exit: METSА- ZAJ	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq
							Date of Proposal	RDGE/11 (Oct 2009)
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken / Required	Deadline for each Action
METSA (2927.1N 03459.0E) QATRA NEH (QTR) PARAM (3123.3N 3706.7E) GURAIT (GRY) TURAIF (TRF) OVANO (3148.0N 03909.8E) DAXAN (320512N 0393719E) GIBUX (330715N 0411625E) RAPLU (332300N 0414530E) GEPA P (334906N 0422 51E) MUTAG (343003N 0433834E) IVANO (351724N 0451235E) RIBAK (354926N 0461808E) ZANJAN (ZAJ)		<div>Saudi Arabia</div> <div>Iraq</div> <div>Iran</div>		1) New Route in the Baghdad (FIR) Connecting with Zanjan (ZAJ). 2) To Coordinate with Saudi Arabia to connect Airway from OVANO to DAXAN if acceptable. 3) Coordinate with Iran to connect RIBAK to ZAJ if acceptable 4) New Route in Baghdad (FIR).	Available in ATS.1 Table. Implemented in Saudi Arabia continuation of Route in Baghdad FIR and Iran		Points highlighted in yellow are new. <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 - Not supported by Jordan and Saudi Arabia - Refer the ATS route to the MID/RMA for further studies and analysis of the passing frequency. - ATS route R652 is in close proximity with ATS route UR785 and FIX (OTILA) that would cause traffic conflict. - Saudi Arabia and Jordan do not approve for the extension of Route in Iraq suggested removal waiting for Iraq feed back 	TBD March 2010
Flight Level Band: FL200-FL410								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



C-27

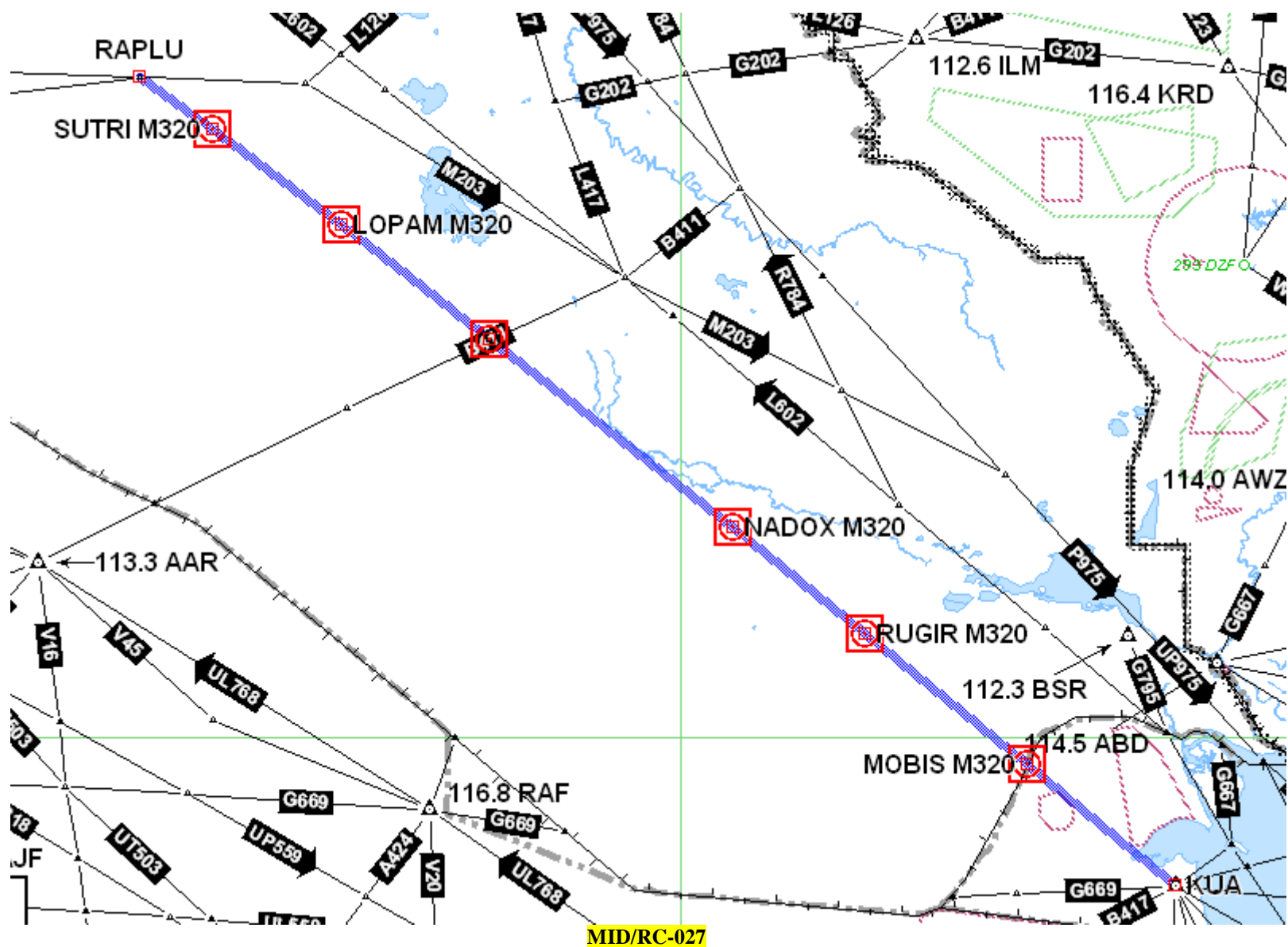
MID/RC-026	ATS Route Name: W3	Entry-Exit: DZF-VAN	Inter-Regional Cross Reference if any		Users Priority	URGENT	Originator of Proposal	Iraq	
							Date of Proposal	RDGE/11 (Oct 2009)	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken / Required		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 TF4 May2011	



MID/RC-026

C-29

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		1. Existing RNAV designator M320 from Kuwait proposed).	Available in ATS.1 Table In Kuwait FIR	1) Not supported by Kuwait at present.		March 2010
		Iraq		2. Points highlighted in yellow are new.		2) Needs further studies.		
				3. Coordination with Kuwait required of continuation of route within their airspace.		3) To be discussed further in the ARN TF/4 meeting		
Flight Level Band: FL200-FL410						4) differed for the future		
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



C-31

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



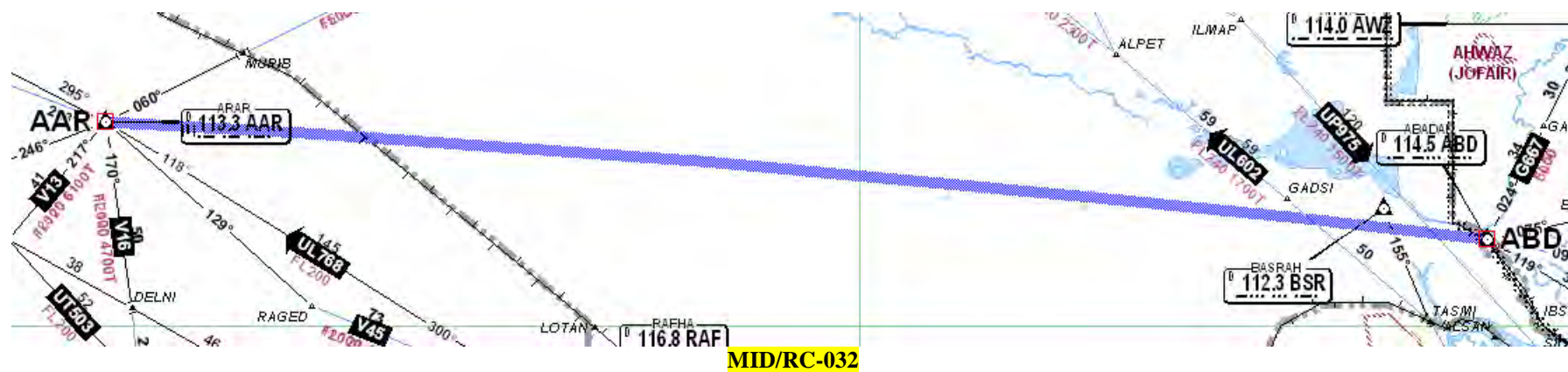
MID/RC-028

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	



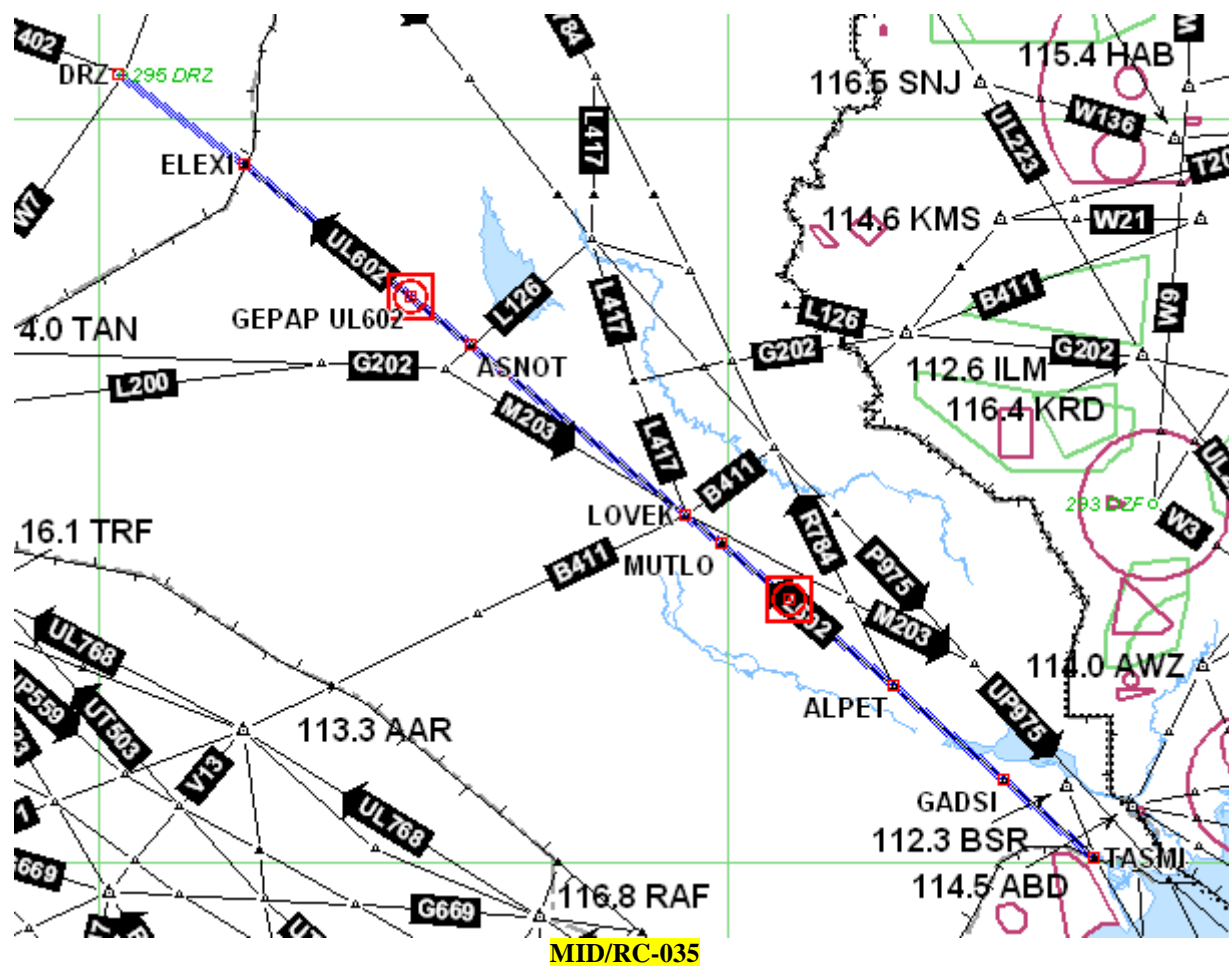
C-33

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.	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



C-35

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 0475505E	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	
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							
DELM	331918.31N 0431327.59E							
ASNOT	332959.55N 0425716.62E							
GEPAP	334905.80N 0422850.64E							
ELEXI	344130N 0410900E							
Flight Level Band: FL240-FL460								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/3 March 2010



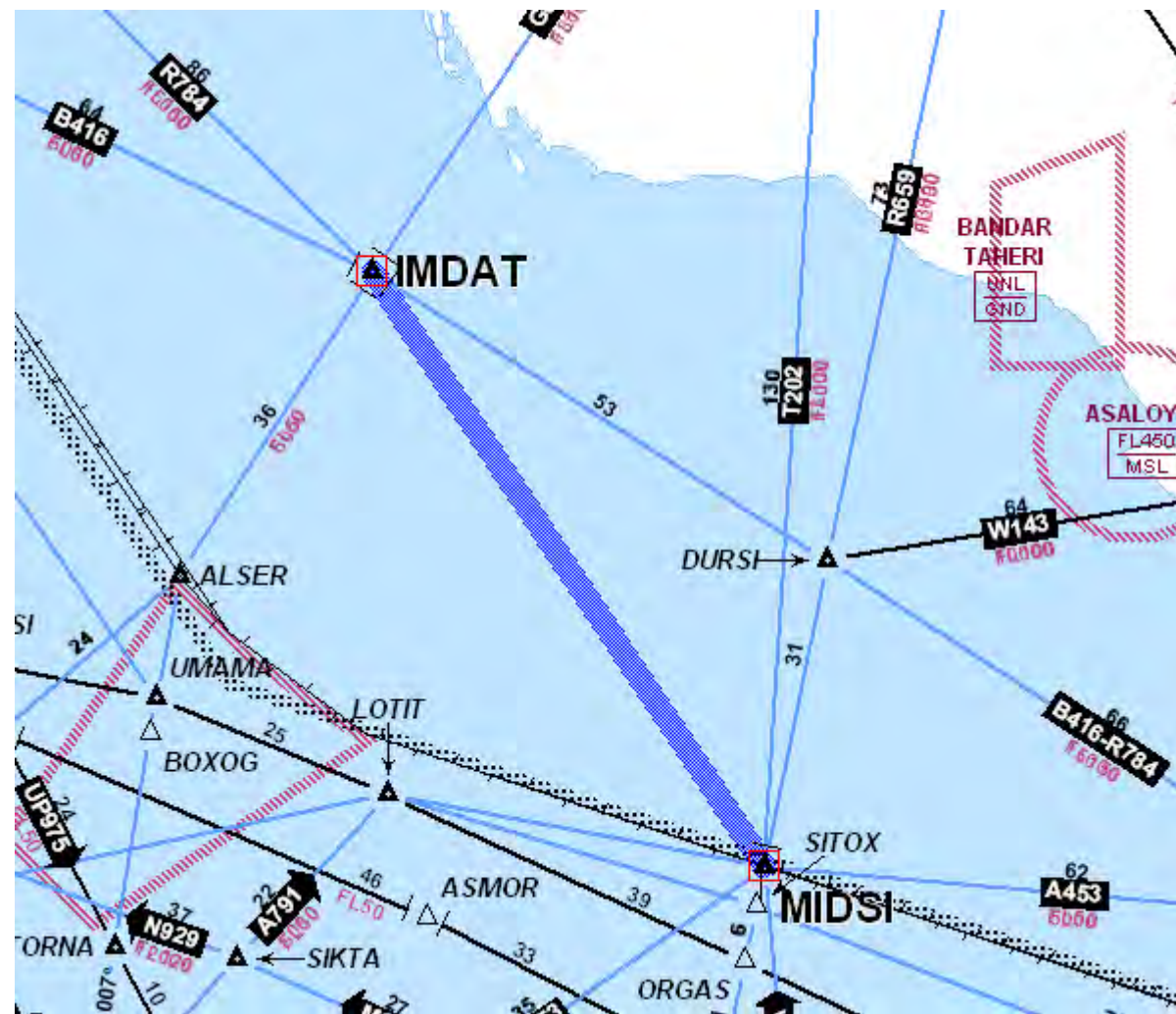
C-37

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		MIDSI - DASDO		Not in the ANP. Iran is requesting an RNAV Route Designator for the route to be included in the ANP	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. Another proposal put in by Bahrain and submitted to Iran	Published by Iran as T202
Flight Level Band: FL 130 - UNL		Iran						
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



C-39

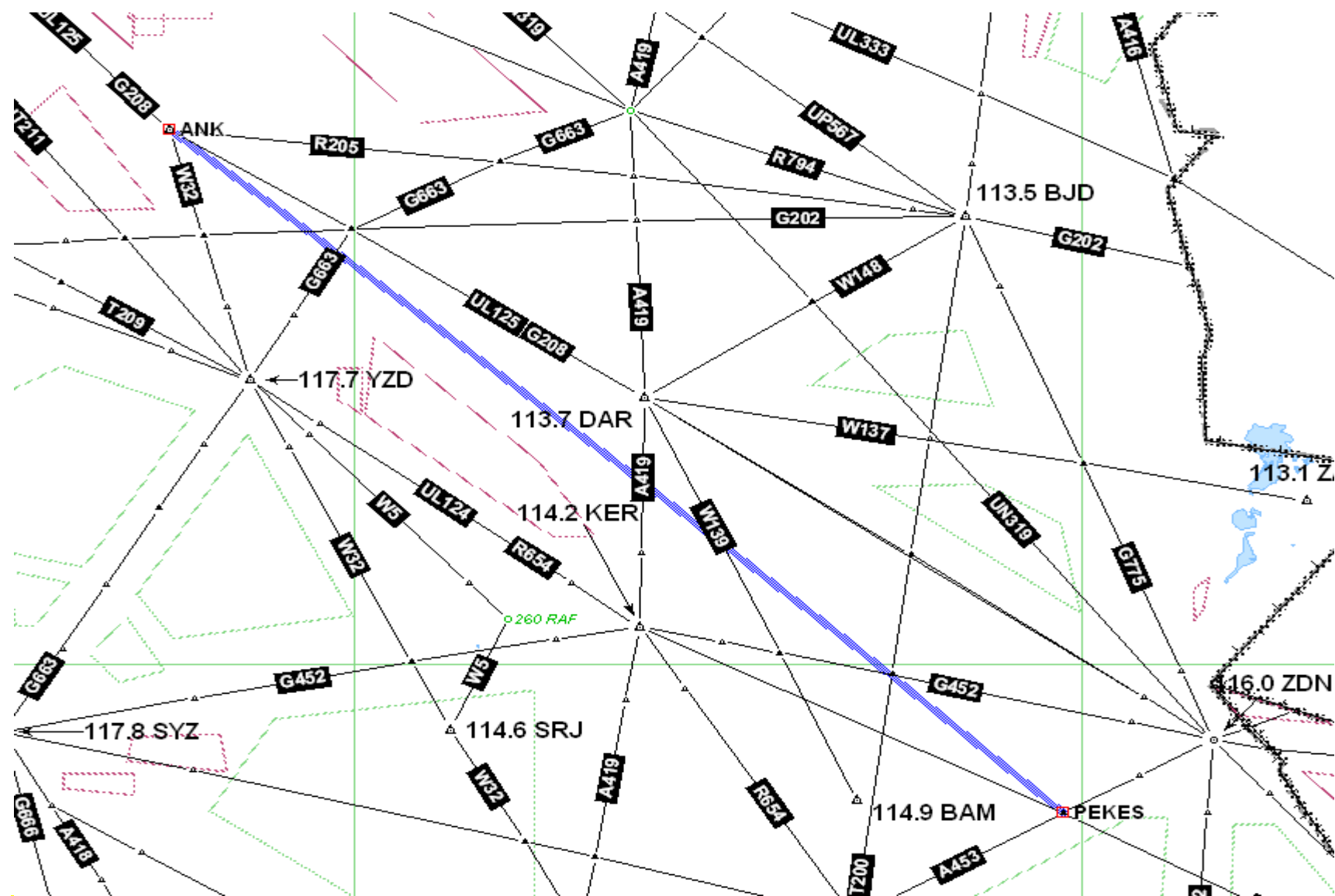
MID/RC-038	ATS Route Name: New Route	Entry-Exit: IMDAT - MIDS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
							Date of Proposal	15 March 2010
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required	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. Another proposal put in by Bahrain and submitted to Iran	(TBD)
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



MID/RC - 038

C-41

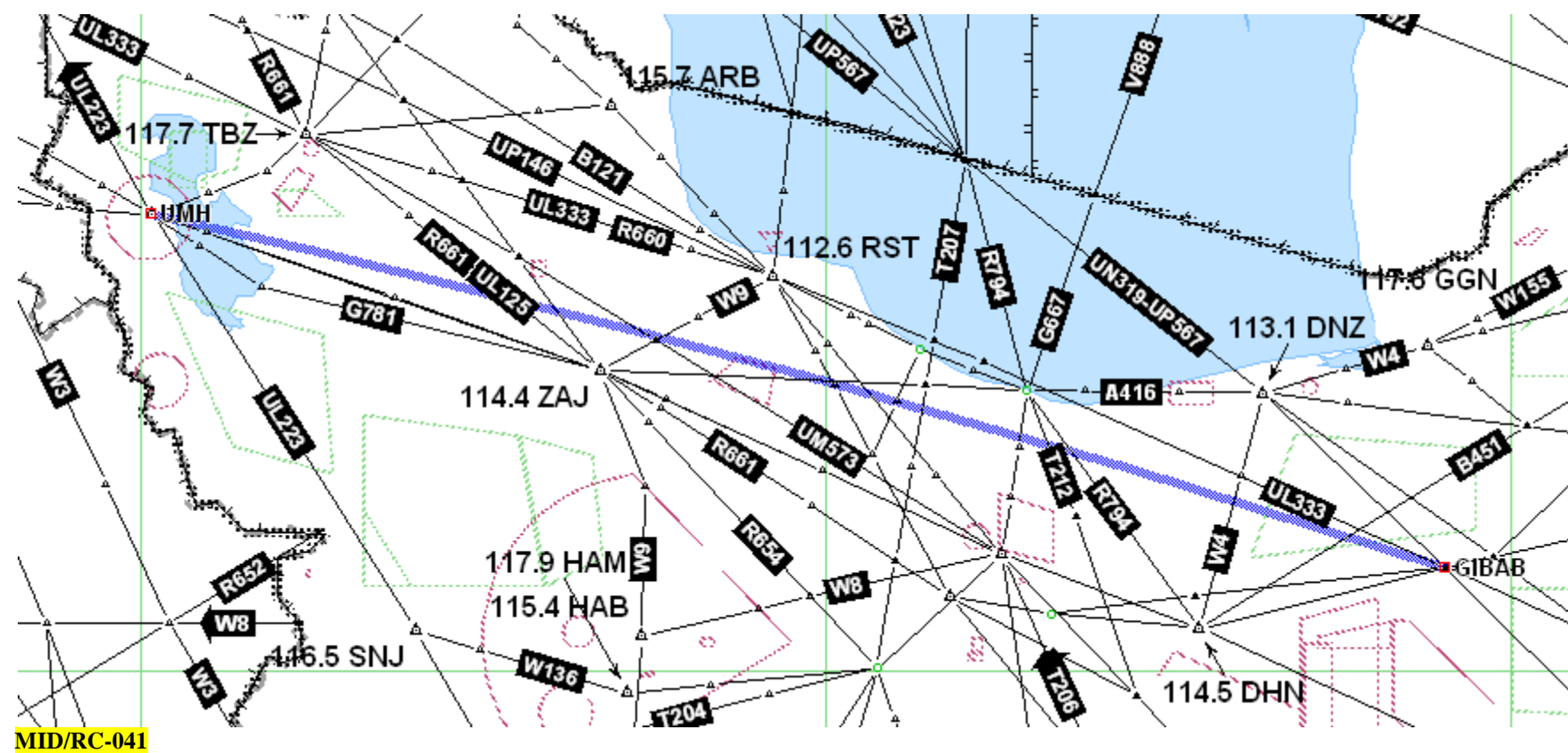
MID/RC-040	ATS Route Name: New Route	Entry-Exit: PEKES - ANK	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Iran
							Date of Proposal	15 March 2010
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required	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. No change	(TBD)
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



MID/RC – 040

C-43

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. No change		(TBD)
Flight Level Band:									
Potential City Pairs:									
Conclusions/Remarks							Last updated		ARN TF/4 May 2011



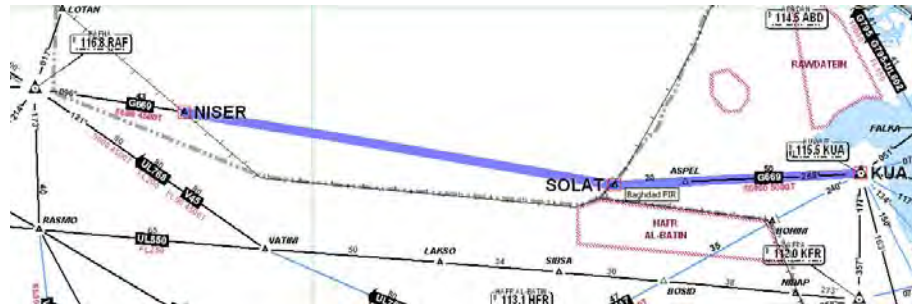
C-45

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	
							Date 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). No change.	TBD March 2010	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/4 May 2011	



C-47

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	
					Date of Proposal			
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status	Action Taken / Required	Deadline for each Action	
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. No change	TBD March 2010	
Flight Level Band: FL240-FL460								
Potential City Pairs:								
Conclusions/Remarks						Last updated	ARN TF/4 May 2011	



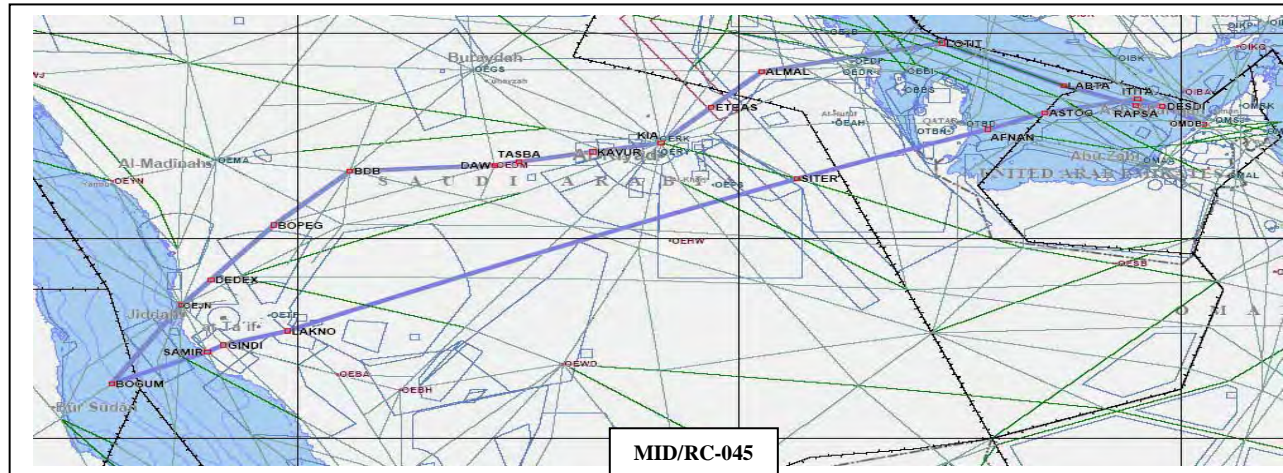
MID/RC- 043 ATS Table 1 G669

MID/RC-044	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA	
		LOSUL-ALNAT					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					Military reasons not possible at this time		
Flight Level Band:									
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/4 May 2011

C-49

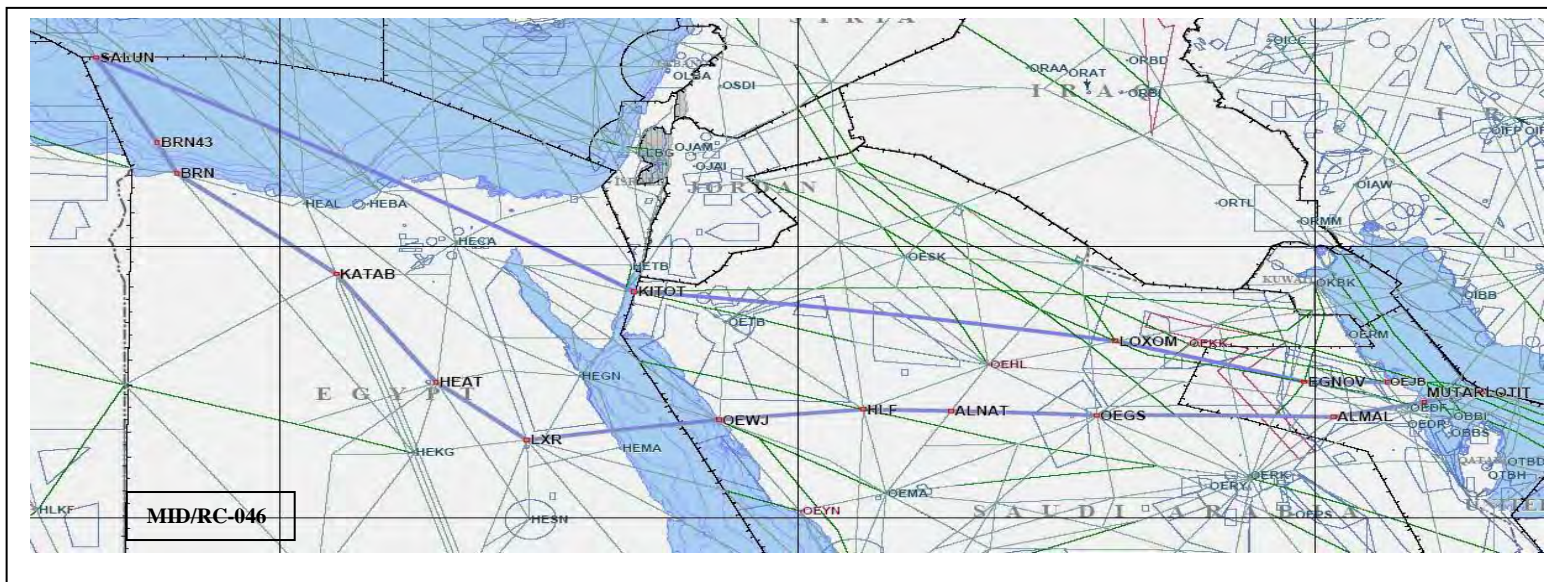


MID/RC-045	ATS Route Name: New Route	Entry-Exit:		Inter-Regional Cross Reference if any		Users Priority		Originator Proposal	of	IATA
		BOGUM-ASTOG						Date of Proposal		ARN TF/2
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken / Required		Deadline for each Action
		Bahrain, Qatar, Saudi Araiba, Sudan, United Arab Emirates						Keep it IATA to provide further details		
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/4 May 2011	



MID/RC-046	ATS Route Name: New Route	Entry-Exit:	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA
		SALUN-EGNOV					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, Egypt, Saudi Arabia					IATA to provide further details	
Flight Level Band:								
Potential City Pairs: DAAG, DTTA, GMMN, HECA, LIRF, LFMN to OBBI, OMAA, OMDB, 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/4 May 2011

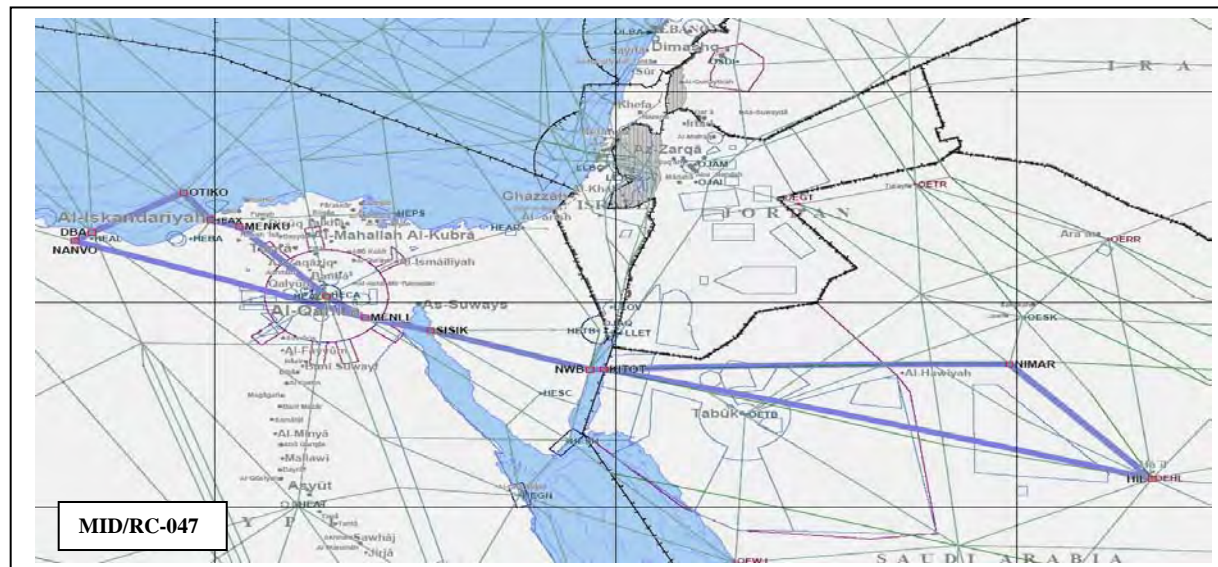
C-51



ARN TF/5-WP/6
APPENDIX C

C-52

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					IATA to provide further details		
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/4 May 2011	



C-53

MID/RC-048	ATS Route Name: New Route	Entry-Exit: MUT in Turkey to BAN in Syria	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
		Cyprus, Syria, Turkey					IATA to provide further details		
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/4 May2011



ARN TF/5-WP/6
APPENDIX C

C-54

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 Implementa- tion date	Implementation Status		ANP Status	Action Taken / Required		Deadline for each Action
		Bahrain, Qatar, United Arab Emirates	ASAP				Expected implementation September 2011 as a timed out route		
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/4 May2011

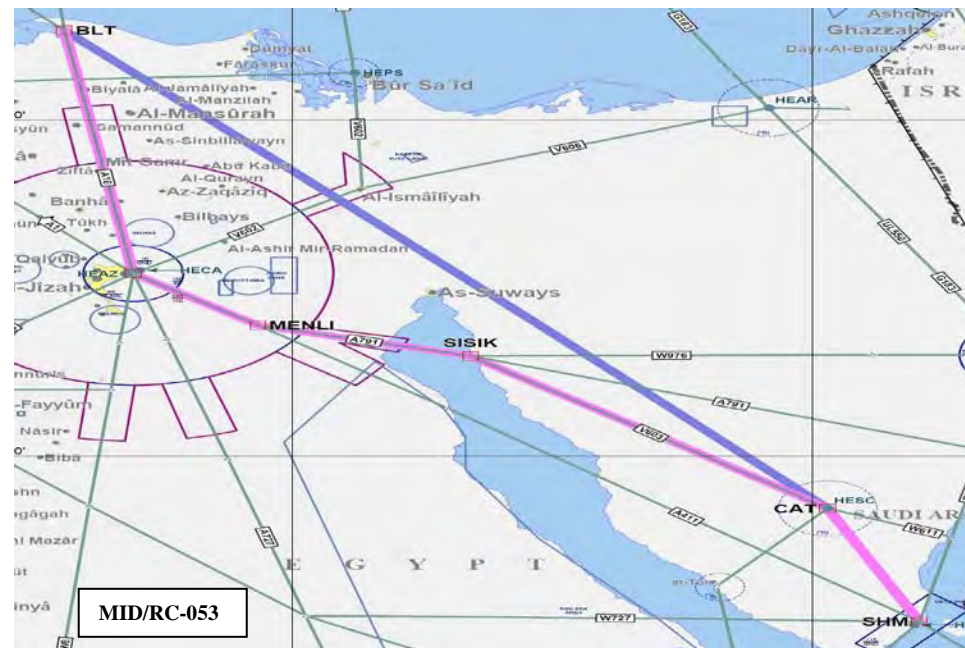


C-55

MID/RC-050	ATS Route Name: New Route	Entry-Exit: ADV / DASDO	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA	
							Date of Proposal	ARN TF/2	
Route Description A northbound airway that will avoid a dog leg via DARAX or MIDSL		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken / Required	Deadline for each Action
		Bahrain Iran UAE						IATA to provide further details	
Flight Level Band: Upper									
Potential City Pairs: OMAA to Iran, Europe & North America									
Conclusions/Remarks		Saving 39 miles, 20 flts/day, 48 Tons of CO2 daily					Last updated		ARN TF/4 May 2011



MID/RC-053 Ex RC- 513	ATS Route Name: New Route	Entry-Exit: BALTIM-SHM	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA	
							Date of Proposal	ARN TF/2	
Route Description New Route BALTIM to SHM		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken / Required		Deadline for each Action
		Egypt					Possible Night rules by IAC Also to be provided to RMA Penetrates military airspace.		
Flight Level Band: Upper									
Potential City Pairs: Arabian Peninsula to Europe									
Conclusions/Remarks		Saves 24 miles / Flt					Last updated		ARN TF/4 May 2011



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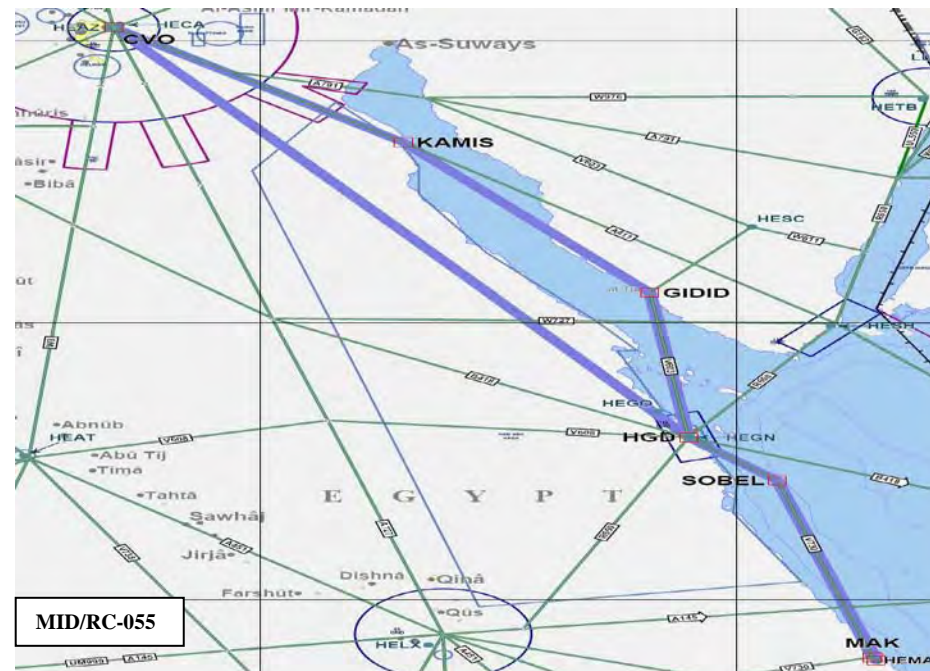
MID/RC-054	ATS Route Name: New Route	Entry-Exit: CVO-ANTAR	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA	
							Date of Proposal	ARN TF/2	
Route Description Cairo TO ANTAR		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken / Required		Deadline for each Action
		Egypt					Not much Traffic on this route		
Flight Level Band: Upper							Military issues		
Potential City Pairs: HECA and Arabian Peninsula to Europe							Differed for the future		
Conclusions/Remarks		Saves 13 minutes					Last updated		ARN TF/4 May 2011



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MID/RC-055	ATS Route Name: New Route L315	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					L315 to be discussed with Saudi Arabia for direction of route	
Flight Level Band: Upper								
Potential City Pairs: Northwestern Red Sea to HECA and Europe								
Conclusions/Remarks		Saves 9 miles					Last updated	ARN TF/4 May 2011



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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 Implemen- tation date	Implementation Status		ANP Status	Action Taken / Required	Deadline for each Action
		Egypt					IATA to provide further details	
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/4 May 2011



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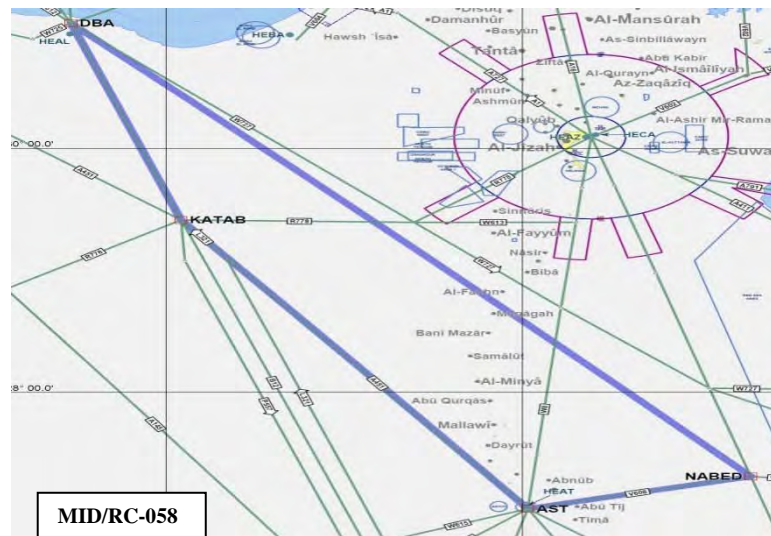
C-60

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 Implemen- tation date	Implementation Status		ANP Status	Action Taken / Required	Deadline for each Action
		Egypt					IATA to provide further details	
Flight Level Band: Upper								
Potential City Pairs: Arabian Peninsula to North Africa								
Conclusions/Remarks		Saves 11 Miles					Last updated	ARN TF/4 May 2011



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MID/RC-058	ATS Route Name: New Route	Entry-Exit: NADEB-DBA	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA	
							Date of Proposal	ARN TF/2	
Route Description NADEB-DBA		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken / Required		Deadline for each Action
		Egypt					IATA to provide further details		
Flight Level Band: Upper									
Potential City Pairs: Arabian Peninsula to Europe									
Conclusions/Remarks		Saves 47 Miles					Last updated	ARN TF/4 May 2011	



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MID/RC-059	ATS Route Name: New Route		Entry-Exit: PASOS-NWB	Inter-Regional Cross Reference if any		Users Priority		Originator of Proposal	IATA		
								Date of Proposal	ARN TF/2		
Route Description			States Concerned	Expected Implement- ation date	Implementation Status		ANP Status		Action Taken / Required		Deadline for each Action
			Egypt						IATA to provide further details		
Flight Level Band: Upper											
Potential City Pairs: Arabian Peninsula to Egypt											
Conclusions/Remarks		Saves 7 Miles							Last updated		ARN TF4 May 2011



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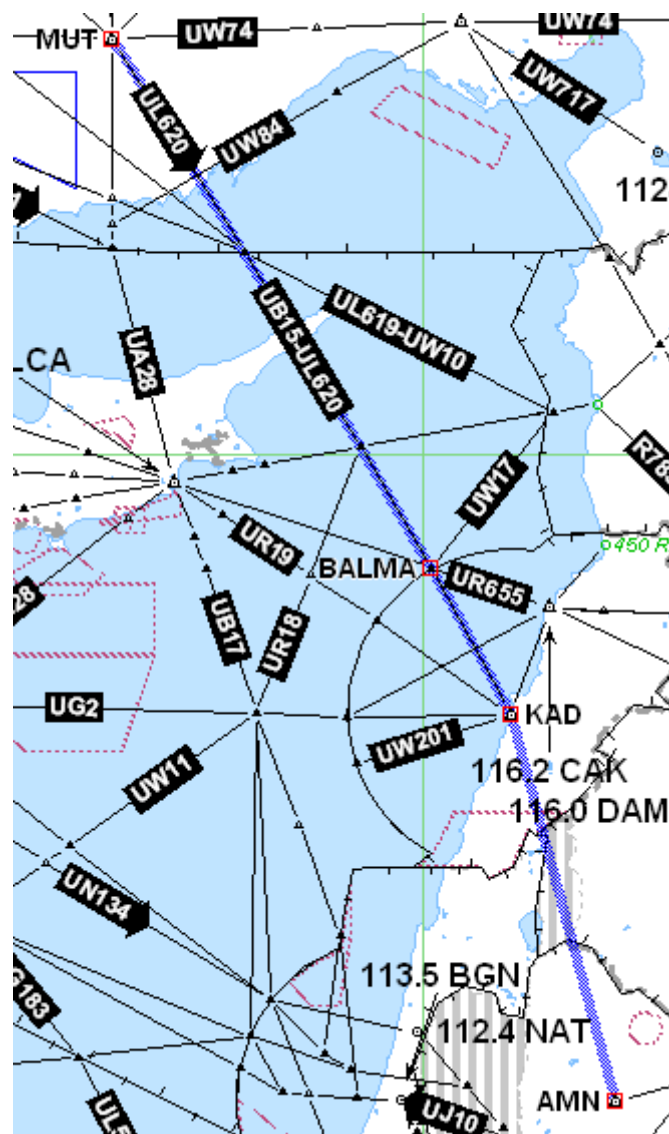
MID/RC-062 <i>(ex B538)</i>	ATS Route Name: New Route	Entry-Exit: GAZIANTEP DAMASCUS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP 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			No updates	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks		Segment GAZIANTEP-ALEPPO implemented (B544)					Last updated	ARN TF/4 May 2011



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MID/RC-063 <i>(ex B545)</i>	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 – KAHLDE Implemented as (UB15/UL620)			No update	
				KHALDE – AMMAN not implemented				
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011

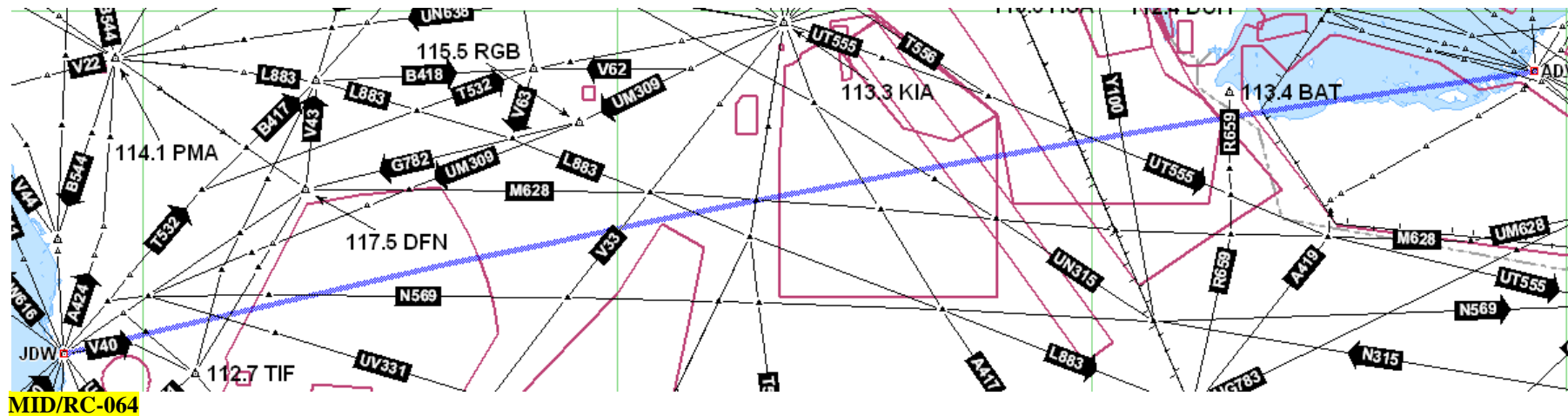
C-66



MID/RC-063

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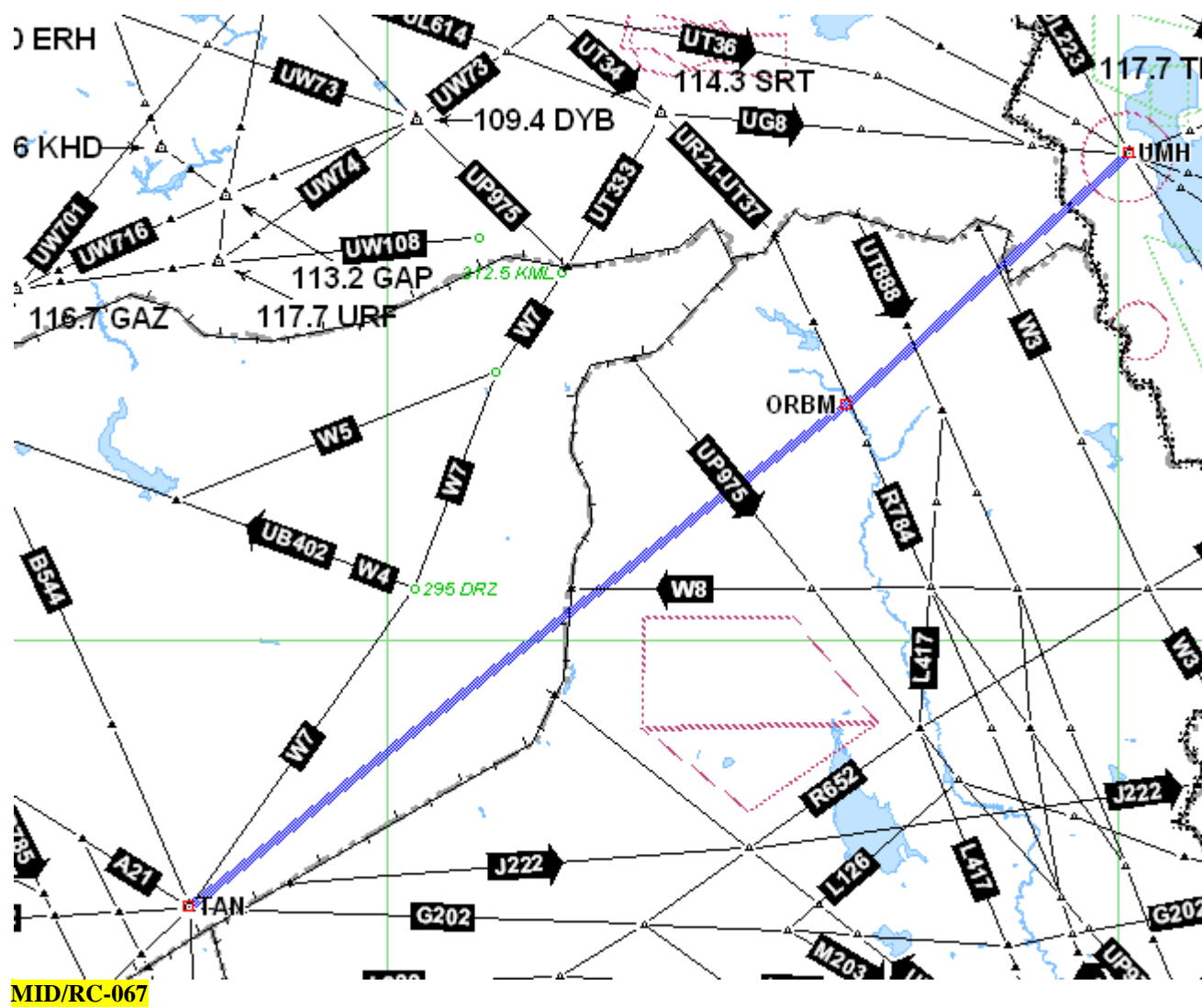
MID/RC-064 <i>(ex G660)</i>	ATS Route Name: New Route	Entry-Exit: JDW-ADV	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA
	Date of Proposal						MIDANPIRG/10	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required	Deadline for each Action
KING ABDULAZIZ ABU DHABI * Note3 (OE, OM)		Saudi Arabia Bahrain UAE					No change to status	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks		Military restrictions					Last updated	ARN TF/4 May 2011



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MID/RC-067 <i>(ex G671)</i>	ATS Route Name:	Entry-Exit: TANF-UMH	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
TANF MOSUL UMH		Syria Iraq Iran					No update	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011

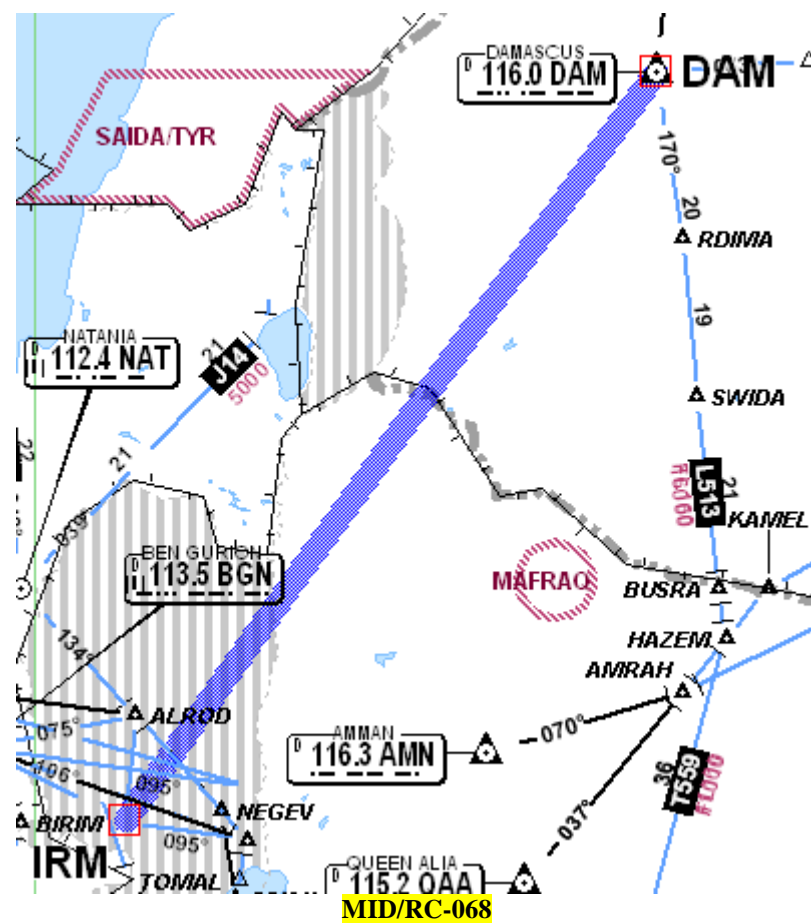


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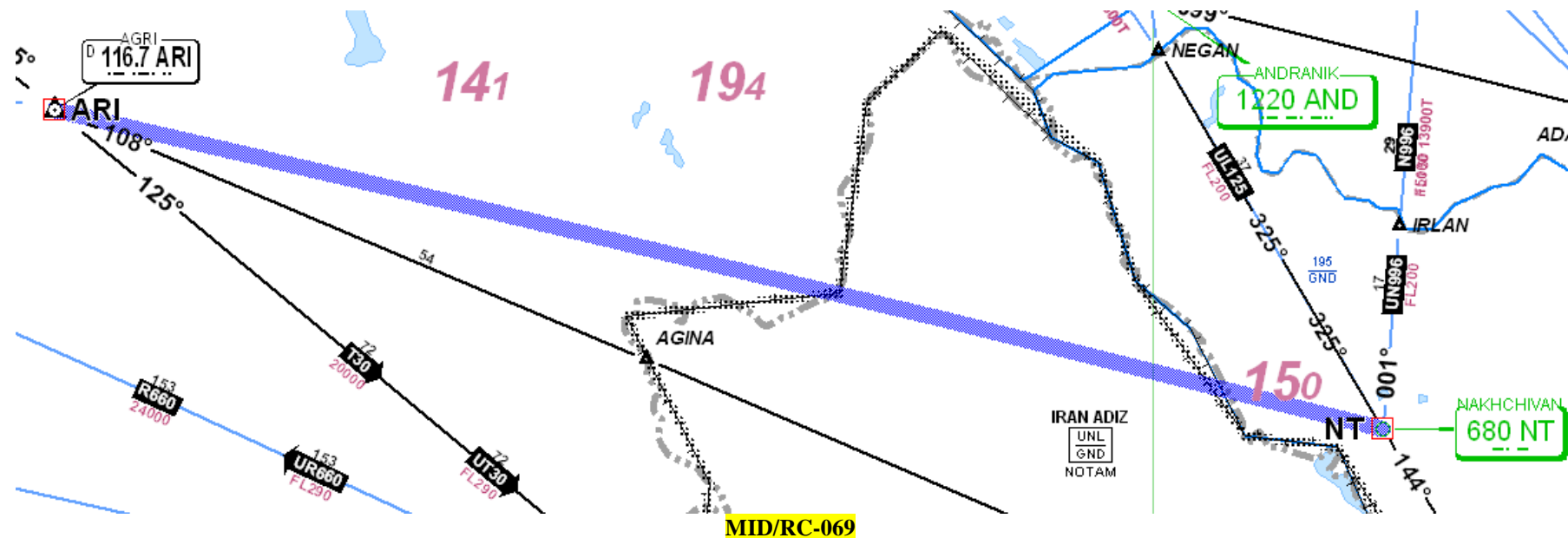
C-70

MID/RC-068 <i>(ex R653)</i>	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				No update			
Flight Level Band:										
Potential City Pairs:										
Conclusions/Remarks								Last updated		ARN TF/4 May 2011

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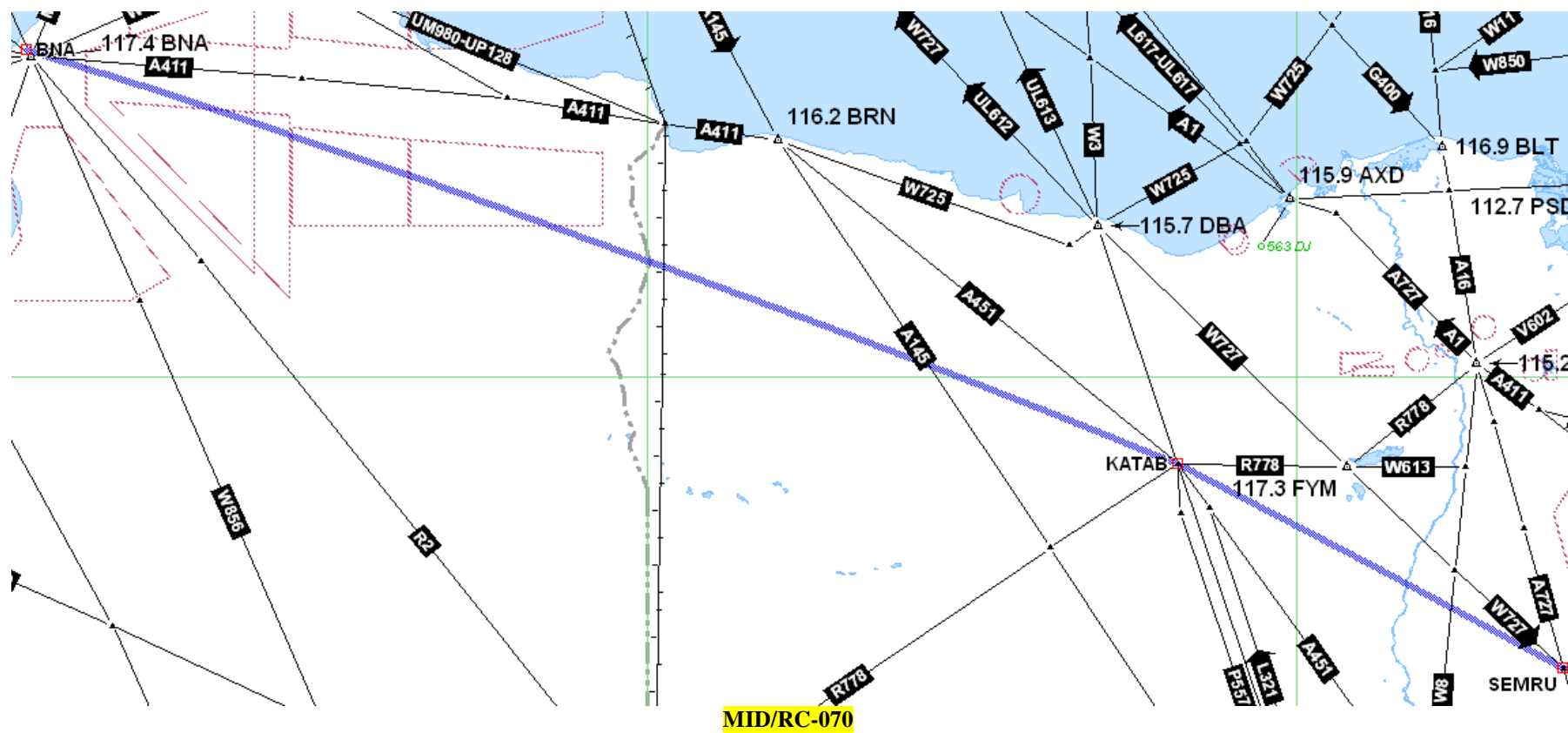


MID/RC-069	ATS Route Name: New Route	Entry-Exit: ARI (Agri) NT (Nakhchivan)	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Turkey (2002)
							Date of Proposal	MIDANPIRG/10
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required	Deadline for each Action
ARI (Agri) AAAAA (TUR/IRN BDRY) BBBBB (IRN/AZE BDRY) NT (Nakhchivan)		Turkia Iran Yerevan (AZE)					No update	
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF4 May 2011



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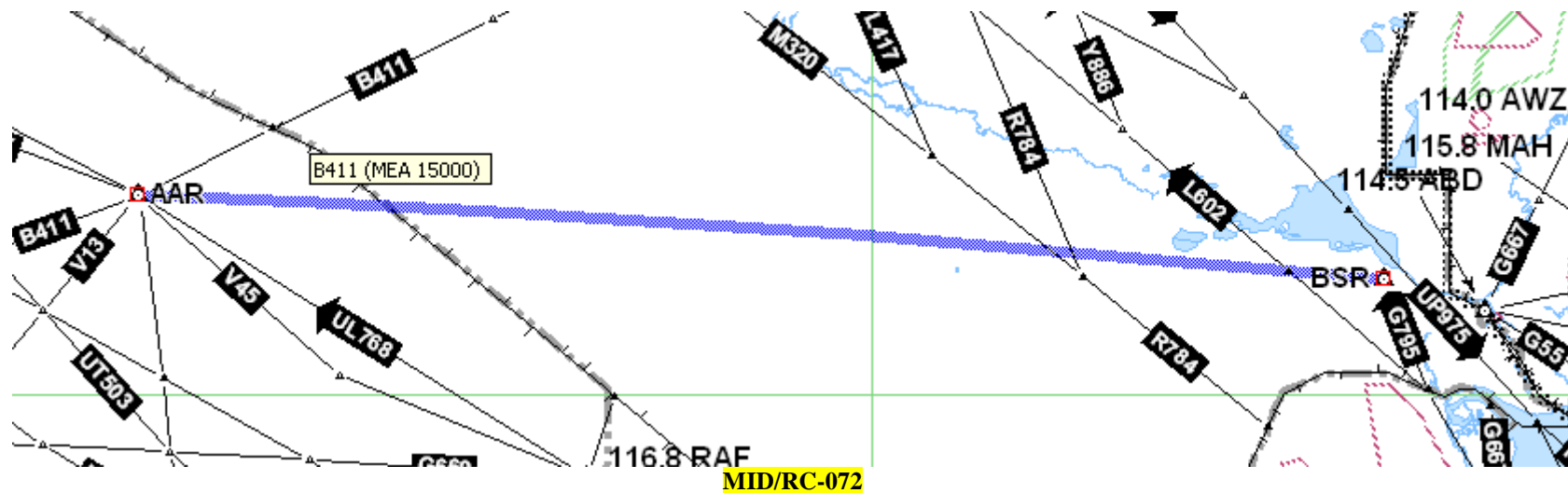
MID/RC-070	ATS Route Name: New Route		Entry-Exit: BNA-KATAB- SEMRU	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA		
								Date of Proposal	ARN TF/1		
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action 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.				Differed for the future		
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/4, May 2011	



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MID/RC-071	ATS Route Name: New route	Entry-Exit: DELMA-A145	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
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 BBBBB, 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 IIIII, 20 NMs south-west of RARLO W333 at JJJJJ, 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.		Egypt					- Egypt and Saudi Arabia will consider the proposal for future.		
		Saudi Arabia					Parallel to A791/A145		
							No updates		
Flight Level Band: Upper Airspace									
Potential City Pairs:									
Conclusions/Remarks								Last updated	ARN TF/4, May 2011

MID/RC-072 (ex B401)	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. No updates	
Flight Level Band: Upper Airspace								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



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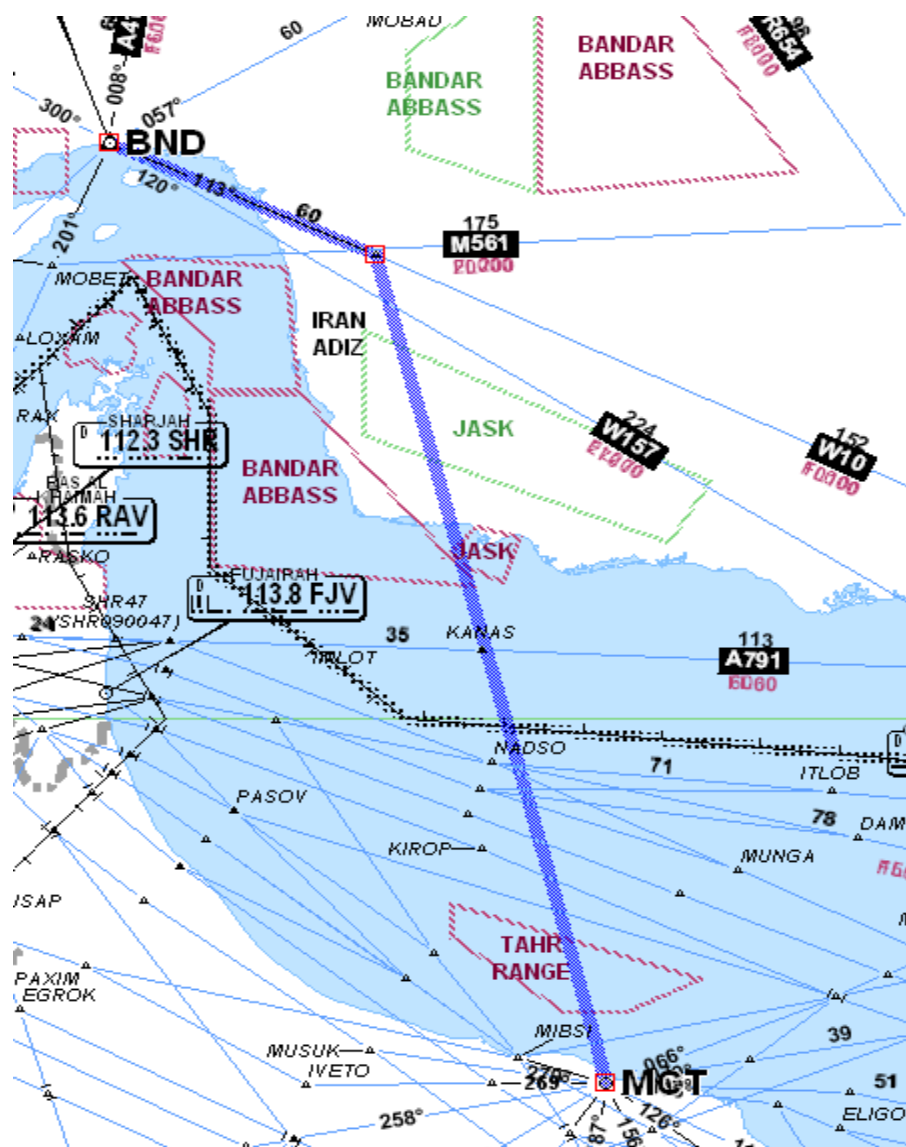
MID/RC-073 <i>(ex B410)</i>	ATS Route Name: New route	Entry-Exit: MUT – DAMASCUS	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA	
							Date of Proposal	ARN TF/1	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		Deadline for each Action
MUT CHEKA (CAK) * Note 3 (OS) DAMASCUS (DAM)		Turkey Syria		Not implemented			No change		
Flight Level Band: Upper Airspace									
Potential City Pairs:									
Conclusions/Remarks							Last updated		ARN TF/4 May 2011



MID/RC-073

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MID/RC-074 (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.			Differed for the future	
Flight Level Band: Upper Airspace								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011



MID/RC-074

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MID/RC-075	ATS Route Name: New route	Entry-Exit: ORTAP - BRN	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
ORTAP BRN		Egypt Lybia Malta		Not implemented.				Egypt has no objection to establish the route as Uni- directional Under study		
Flight Level Band: Upper Airspace										
Potential City Pairs:										
Conclusions/Remarks							Last updated		ARN TF/4 May 2011	

MID/RC-076	ATS Route Name: New route	Entry-Exit: AMIBO – DBA	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
AMIBO DBA		Egypt Lybia Malta		Not implemented.				No updates		
Flight Level Band: Upper Airspace										
Potential City Pairs:										
Conclusions/Remarks							Last updated		ARN TF/4 May 2011	

MID/RC-077	ATS Route Name: New route	Entry-Exit: BINKO - RASNO - LOSUL	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
BINKO RASNO LOSUL		Egypt Lybia Malta		Not implemented.			Egypt has no objection to establish the route as Uni- directional No change		
Flight Level Band: Upper Airspace									
Potential City Pairs:									
Conclusions/Remarks							Last updated	ARN TF/4 May 2011	

MID/RC-078	ATS Route Name: B412	Entry-Exit: DAM - ASH	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	ANP
							Date of Proposal	17/May/2011
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken/Required	Deadline for each Action
DAMASCUS (DAM) * Note 4(OS, OJ) [AMMAN] AL SHIGAR (ASH)		Syria Jordan Saudi Arabia		- Segment DAM – ASH – HLF not achievable agreed to be moved to ATS Route Catalogue	Removed from the ANP		Differed for the future	TBD
Flight Level Band:								
Potential City Pairs:								
Conclusions/Remarks							Last updated	ARN TF/4 May 2011

Figure 1MID/RC-078

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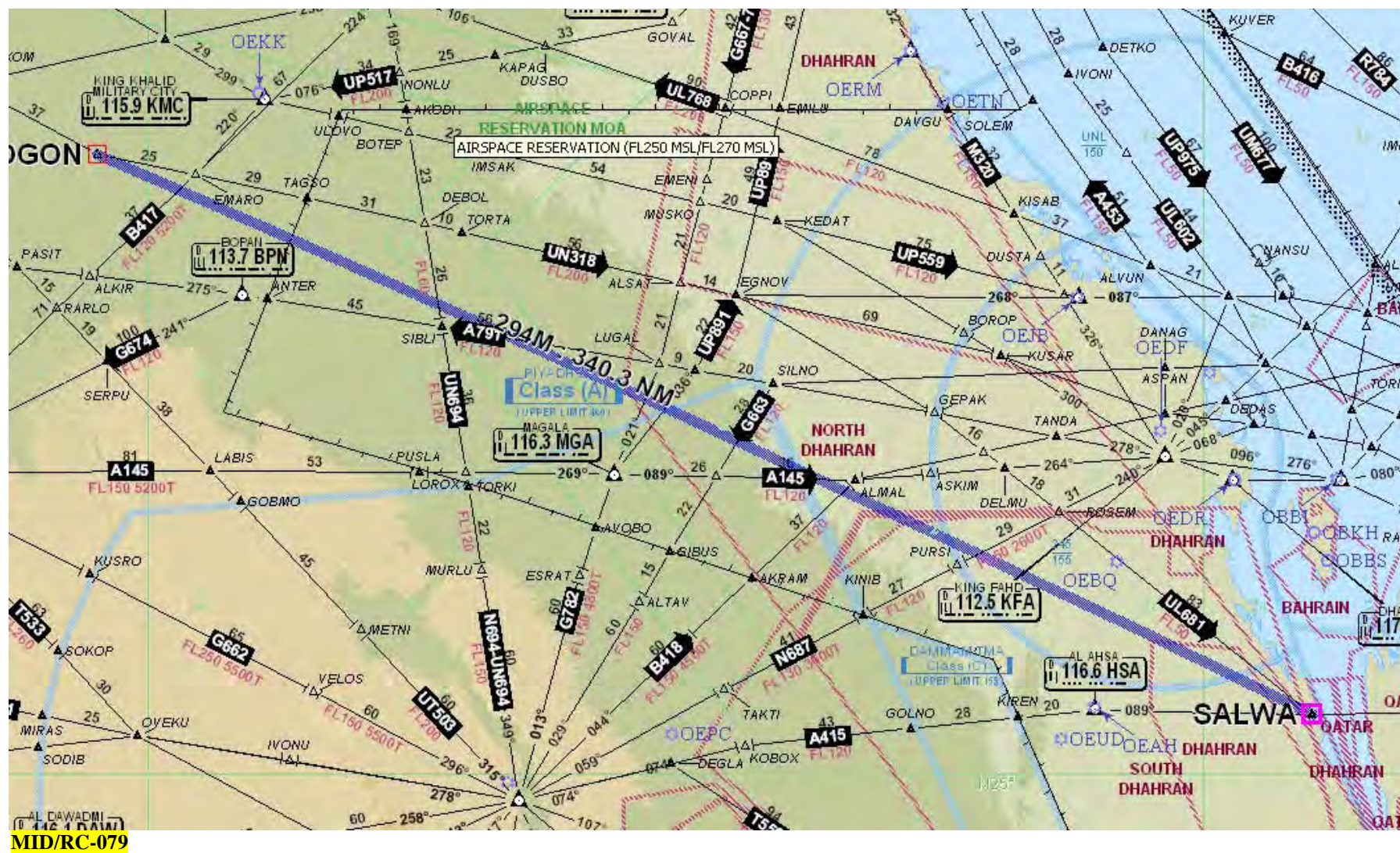


MID/RC-078

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MID/RC-079	ATS Route Name: New Route	Entry-Exit: SALWA - MOGON	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	Qatar Airways	
							Date of Proposal	17-May-2011	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required	Deadline for each Action
SALWA 2515.6N 05030.8E MOGON 2738.8N 04445.9E		Bahrain						- To cater for arrival traffic from the West - which would also allow A145 traffic to use this proposed segment	
		Saudi Arabia							
Flight Level Band:									
Potential City Pairs:									
Conclusions/Remarks		Saves 11NM					Last updated	ARN TF/4 May 2011	



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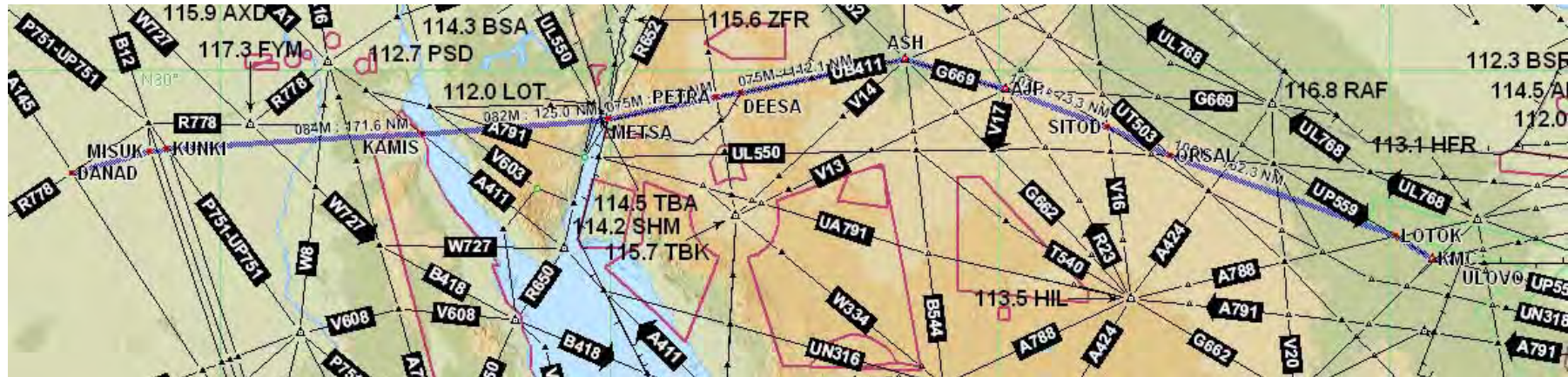
MID/RC-080	ATS Route Name: New Route		Entry-Exit: BUSRA - KTN		Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	ICAO EUR/NAT		
						Date of Proposal			17 May 2011			
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status			ANP Status		Action Taken/Required		Deadline for each Action
BUSRA 322000N 0363700E KARIATAIN (KTN)			Syria					Not in ANP		State letter to be sent to Syria for input.		
Flight Level Band:												
Potential City Pairs: HEGN - UDD												
Conclusions/Remarks		Shortens the distance by 85NM.								Last updated		ARN TF/4 May 2011



MID/RC-081	ATS Route Name: New Route UQ596	Entry-Exit: DAYFA – DANAD – IMRAD then A145 Eastbound Only	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal
							Date of Proposal	17 May 2011
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required	Deadline for each Action
SEB HORUJ DAYFA DANAD IMRAD ALMAL		Libya Egypt Saudi Arabia				Not in the ANP	- Needs to be discussed with Libya - Needs to be discussed with Egypt - Needs to be discussed with Jeddah FIR if A145 can be bidirectional East of LXR	TBD
Flight Level Band:								
Potential City Pairs: Dakar FIR, Algiers FIR, Tripoli FIR, Cairo FIR, Jeddah FIR								
Conclusions/Remarks		Proposals agreed to by some State during the iFLEX workshop Dubai					Last updated	ARN TF/4 May 2011



MID/RC-082	ATS Route Name: New Route UQ597 Eastbound	Entry-Exit: DANAD - METSA – ASH – ULOVO	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal	
							Date of Proposal	17 May 2011	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		Deadline for each Action
DANAD 28 51 06N 028 06 09E METSA 29 27 07N 034 59 03E ASH ULOVO 27 48 30N 045 54 20E		Egypt Jordan Saudi Arabia				Not in the ANP	- connecting to proposed route MID/RC-081 via UP559.		TBD
Flight Level Band:									
Potential City Pairs: Dakar FIR, Algiers FIR, Tripoli FIR, Cairo FIR, Jeddah FIR									
Conclusions/Remarks		Proposals agreed to by some State during the iFLEX workshop Dubai						Last updated	ARN TF/4 May 2011



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MID/RC-083	ATS Route Name: New Route UQ598 Westbound	Entry-Exit: DITAR – NABED – PASAM – HIL - ANTER - KUTEM	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal	
							Date of Proposal	17 May 2011	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		Deadline for each Action
DITAR 26 59 03N 025 00 00E AST NABED 27 18 01 032 17 06E PASAM 27 30 45N 034 55 42E HIL Via A791 KUTEM		Libya Egypt Saudi Arabia					- Needs to be discussed with Egypt if A145 can be bidirectional East of LXR		TBD
Flight Level Band:									
Potential City Pairs:									
Conclusions/Remarks								Last updated	ARN TF/4 May 2011

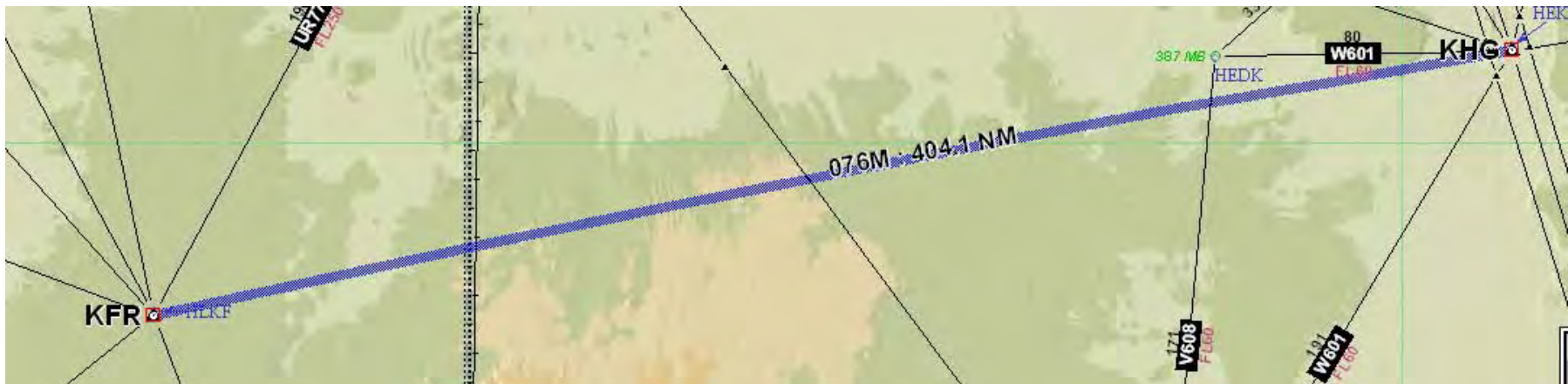


MID/RC - 083

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MID/RC-084	ATS Route Name: New Route UQ599; Bidirectional	Entry-Exit: KFR - KHG	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal	
							Date of Proposal	17 May 2011	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required	Deadline for each Action
KFR KHG		Libya Egypt						- Needs to be discussed with Libya - Needs to be discussed with Egypt	TBD
Flight Level Band:									
Potential City Pairs:									
Conclusions/Remarks								Last updated	ARN TF/4 May 2011



MID/RC - 084

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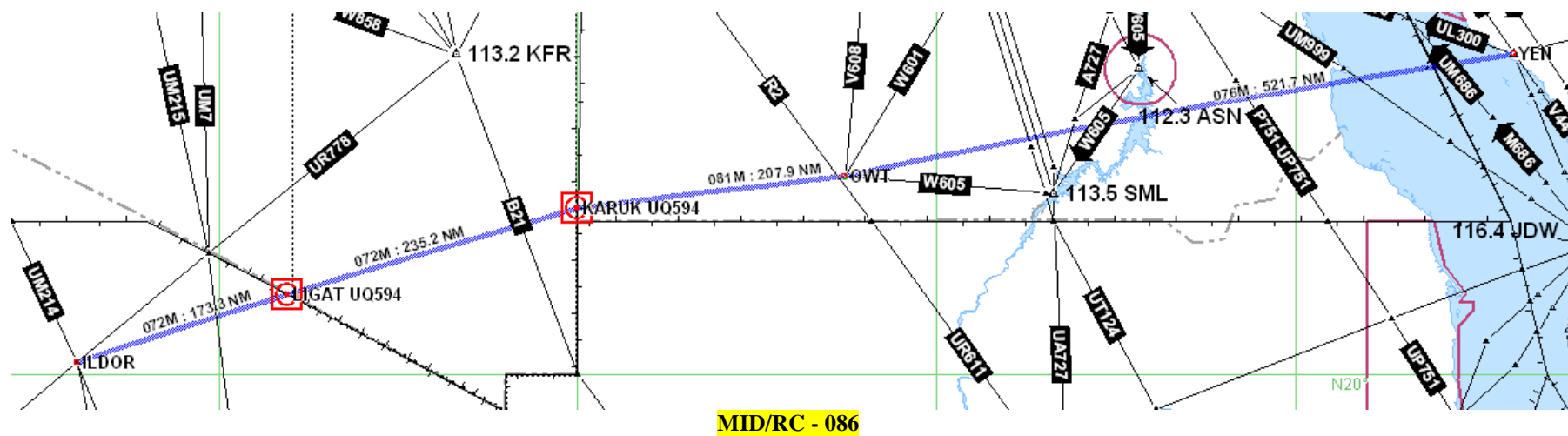
MID/RC-085	ATS Route Name: New Route UQ595; East bound	Entry-Exit: KHG - ASTOG	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
							Date of Proposal	17 May 2011		
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		Deadline for each Action	
KHG MEMPO 252518N 0335457E SENBK 253331N 0385328E GOMRA 253656N 0402534N ROSUL 253945N 042 1519E SOKOP 253155N 0443429E TAKTI 252153N 0474340E GOLNO 251155N 0483658E KIREN 251447N 0490724E HSA SALWA 251538N 0503048E LAGNO 251613N 0511518E DOH GITEX 252609N 0523832E ASTOG 252822N 0525025E LOPOM 252941N 0532817E DESDI 253603N 0544230E		Egypt Saudi Arabia Bahrain Qatar UAE					- Needs to be discussed with Egypt Note1 :- portion GOLNO DOH ATS route A415is to be used Note 2:- DOH ASTOG L305 is to be used. Note 3:- Check lower chart of MID/RC - 085		TBD	
Flight Level Band:										
Potential City Pairs:										
Conclusions/Remarks							Last updated		ARN TF/4 May 2011	



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MID/RC-086	ATS Route Name: New Route UQ594; Bidirectional	Entry-Exit: ROB – OWT - YEN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
							Date of Proposal	17 May 2011		
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required	Deadline for each Action	
ILDOR 20 09 37N 018 01 19E KARUK 221002.11N 0250000E OWT YEN		Libya Egypt Saudi Arabia						- Needs to be discussed with Libya; - Needs to be discussed with Egypt; - FIR crossing in Khartoum depending on flow? - FIR crossing at TONBA to support Westbound infrastructure t	TBD	
Flight Level Band:										
Potential City Pairs:										
Conclusions/Remarks								Last updated	ARN TF/4 May 2011	

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MID/RC-087	ATS Route Name: New Route UQ593; Eastbound	Entry-Exit: TASBA – YEN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal	
							Date of Proposal	17 May 2011	
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		Deadline for each Action
TASBA 24 30 59N 044 30 28E PMA YEN		Saudi Arabia					- Connect TASBA via B148 to PMA		TBD
Flight Level Band:									
Potential City Pairs:									
Conclusions/Remarks								Last updated	ARN TF/4 May 2011

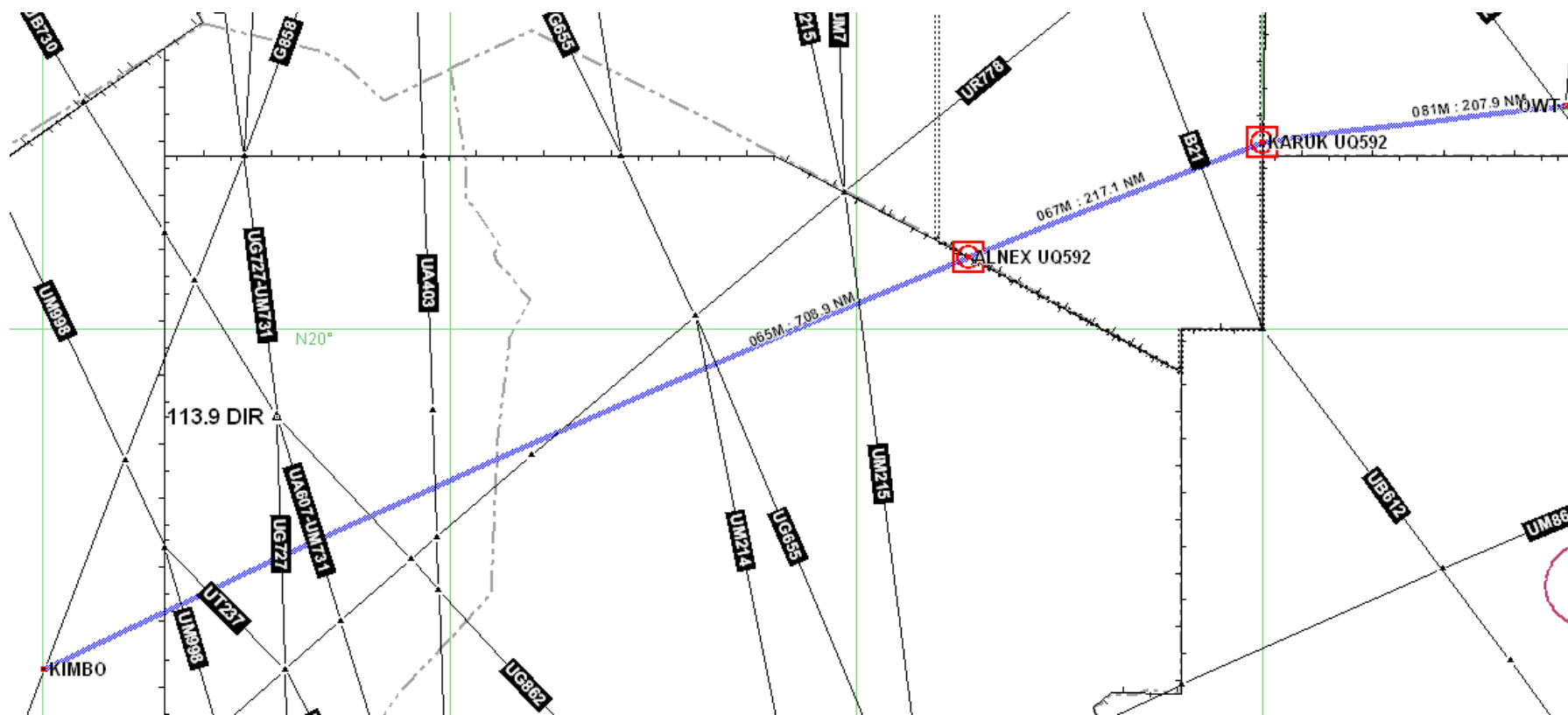


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APPENDIX C

C-98

MID/RC-088	ATS Route Name: New Route UQ592; Bidirectional		Entry-Exit: URUBI – ALNEX - KARUK		Inter-Regional Cross Reference if any			Users Priority		High	Originator of Proposal		IATA iFLEX Proposal	
												Date of Proposal		17 May 2011
Route Description				States Concerned	Expected Implemen- tation date	Implementation Status			ANP Status		Action Taken/Required			Deadline for each Action
KIMBO 160000N 01 0100E ALNEX 205007.80N 0212303.94E KARUK 221002.11N 0250 00E OWT		Libya Egypt								- Needs to be discussed with Libya; - Needs to be discussed with Egypt; - FIR crossing in Khartoum depending on flow? - FIR crossing at TONBA to support Westbound infrastructure. Similar to MID/RC - 086				TBD
Flight Level Band:														
Potential City Pairs:														
Conclusions/Remarks											Last updated		ARN TF/4 May 2011	

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MID/RC - 088

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C-100

MID/RC-089	ATS Route Name: New Route UQ591; Eastbound		Entry-Exit: SALWA – OTAMA – TASBA – ULABI - GIPAB		Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal	
									Date of Proposal	17 May 2011	
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required		Deadline for each Action
SALWA 251538N 0503048E OTAMA 2351 47N 0494707E RESAL 240649N 0470427E TASBA 24 30 59N 044 30 28E ULABI 224022N 0410922E JDW GIBAP 353659N 0543055E		Bahrain Saudi Arabia							- Timed Route		TBD
Flight Level Band:											
Potential City Pairs:											
Conclusions/Remarks								Last updated		ARN TF/4 May 2011	

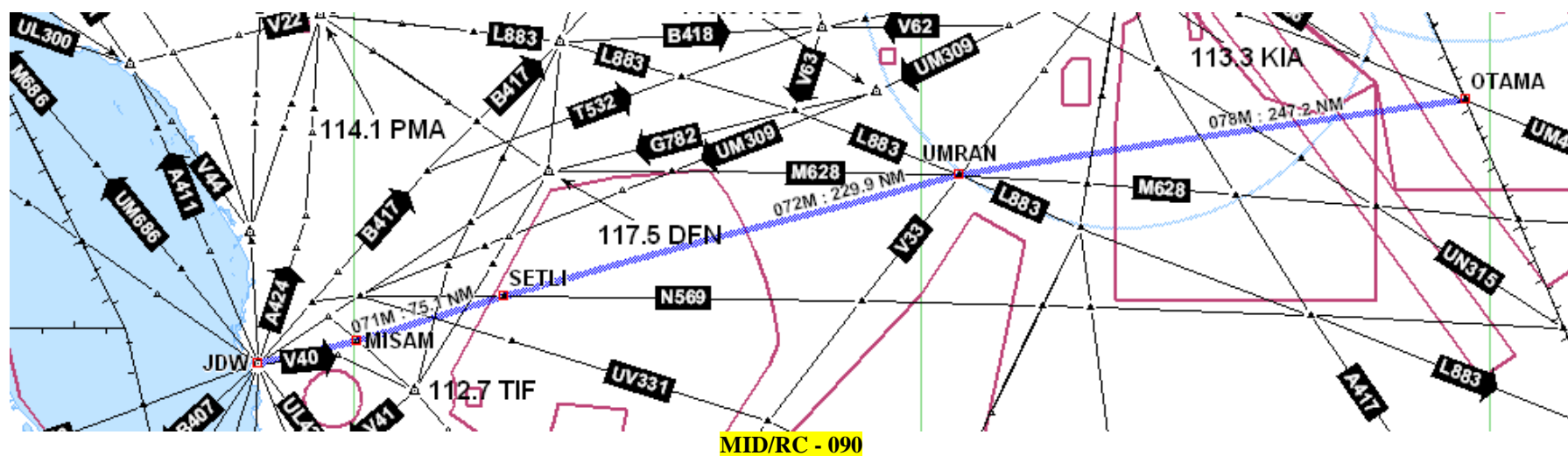


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C-102

MID/RC-090	ATS Route Name: New Route UQ588; Eastbound		Entry-Exit: JDW - UMRAN OTAMA	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
								Date of Proposal	17 May 2011		
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required		Deadline for each Action
JDW MISAM 215415N 0400153E SETLI 221608N 0411924E UMRAN 0411924N 0452023E OTAMA 2351 47N 0494707E		Saudi Arabia							- Timed Route		TBD
Flight Level Band:											
Potential City Pairs:											
Conclusions/Remarks									Last updated		ARN TF/4 May 2011

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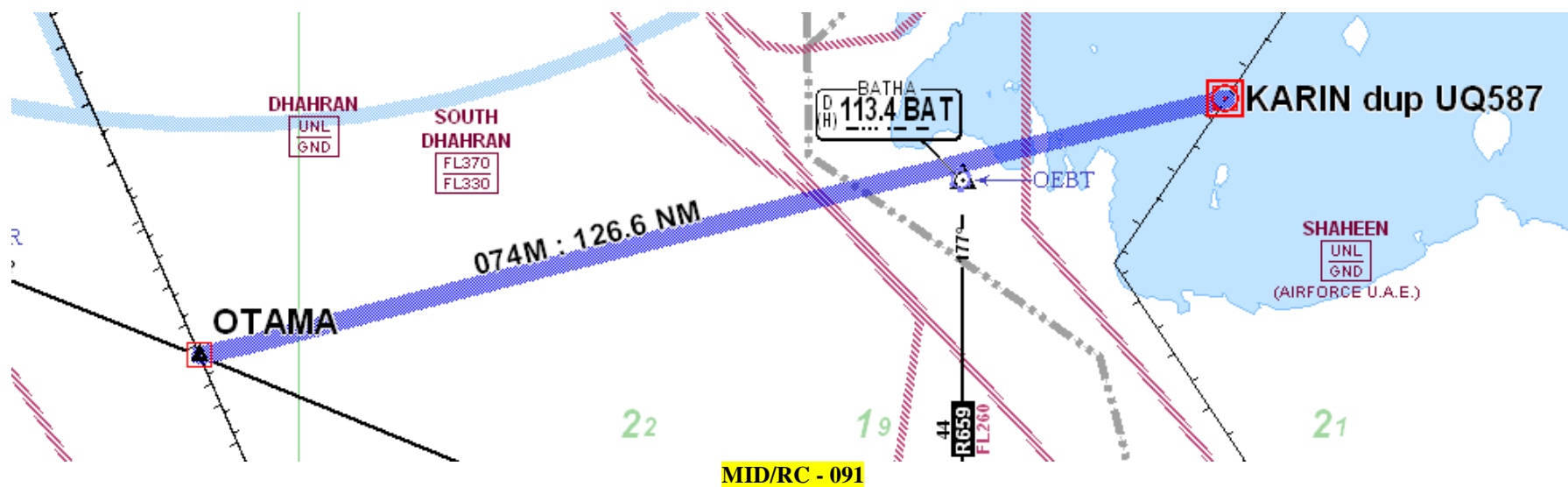


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C-104

MID/RC-091	ATS Route Name: New Route UQ587; Bidirectional		Entry-Exit: OTAMA – KARIN	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal	
								Date of Proposal	17 May 2011	
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status	ANP Status		Action Taken/Required		Deadline for each Action
OTAMA 2351 47N 0494707E KARIN 2422.7N 05201.6E		Saudi Arabia Bahrain						- Note Point KARIN is duplicate 5LNC		TBD
Flight Level Band:										
Potential City Pairs:										
Conclusions/Remarks								Last updated		ARN TF/4 May 2011

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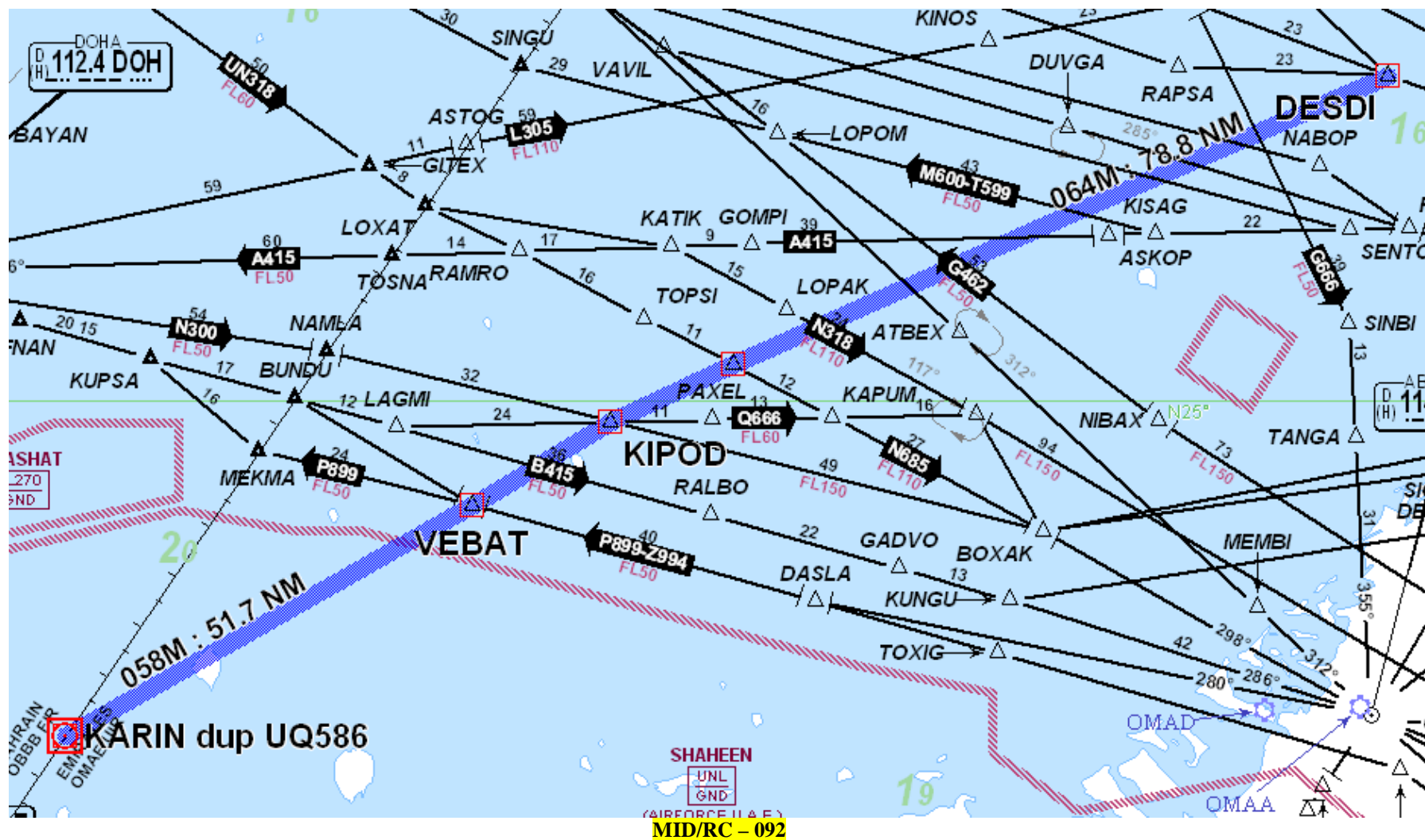


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C-106

MID/RC-092	ATS Route Name: New Route UQ586; Eastbound		Entry-Exit: KARIN - DESDI		Inter-Regional Cross Reference if any			Users Priority		High	Originator of Proposal		IATA iFLEX Proposal	
											Date of Proposal		17 May 2011	
Route Description				States Concerned	Expected Implemen- tation date	Implementation Status			ANP Status		Action Taken/Required			Deadline for each Action
KARIN 2422.7N 05201.6E VEBAT 244830N 0525100E KIPOD 245744N 0530756E NAGRA 250407N 0532246E DESDI 253603N 0544230E		Bahrain UAE								- Note Point KARIN is duplicate 5LNC			TBD	
Flight Level Band:														
Potential City Pairs:														
Conclusions/Remarks										Last updated		ARN TF/4 May 2011		

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MID/RC-093	ATS Route Name: New Route UQ585; Westbound		Entry-Exit: RANBI - KARIN		Inter-Regional Cross Reference if any			Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
										Date of Proposal	17 May 2011		
Route Description				States Concerned	Expected Implemen- tation date	Implementation Status			ANP Status		Action Taken/Required		Deadline for each Action
RANBI 251908N 0544500E XAKUM 245833N 0535222E KARIN 2422.7N 05201.6E			Bahrain UAE								- Note Point KARIN is duplicate 5LNC		TBD
Flight Level Band:													
Potential City Pairs:													
Conclusions/Remarks										Last updated		ARN TF/4 May 2011	

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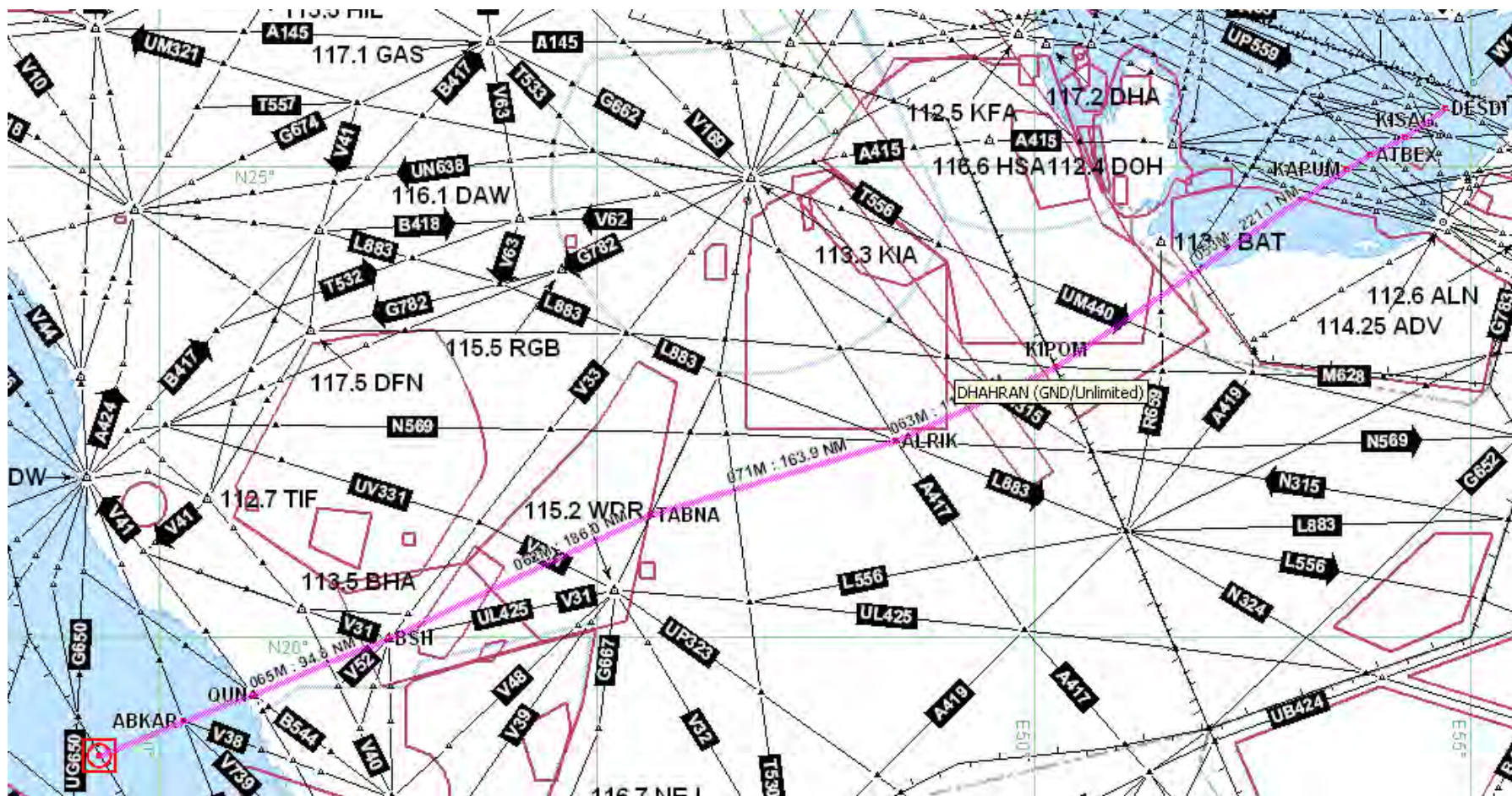
MID/RC - 093

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C-110

MID/RC-094	ATS Route Name: New Route proposed Eastbound	Entry-Exit: TOKAR - DESDI	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
							Date of Proposal	17 May 2011		
Route Description		States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status	Action Taken/Required		Deadline for each Action	
TOKAR 180624N 0374812E OTEMA 184200N 0391900E ABKAR 190511N 0401612E QUN BSH TABNA 211842.3N 0453652.6E ALRIK 220631N 0482535E KIPOM 225316N 0501518E KAPUM 245815N 0533450E KISAG 251834N 0541408E DESDI 253603N 0544230E		Saudi Arabia Bahrain UAE					- This route was initially agreed to as Eastbound - it was deleted afterwards; and - is to be discussed separately		TBD	
Flight Level Band:										
Potential City Pairs:										
Conclusions/Remarks							Last updated		ARN TF/4 May 2011	

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MID/RC-095	ATS Route Name: New Route UT419; Bidirectional		Entry-Exit: GEREK – HDT – A419		Inter-Regional Cross Reference if any			Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
										Date of Proposal	17 May 2011		
Route Description				States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required		Deadline for each Action	
GEREK 140318N 0410000 E SOKEK 142932.45N 0421211.63E HDH		Yemen							- Needs to be coordinated with Yemen		TBD		
Flight Level Band:													
Potential City Pairs:													
Conclusions/Remarks										Last updated		ARN TF/4 May 2011	

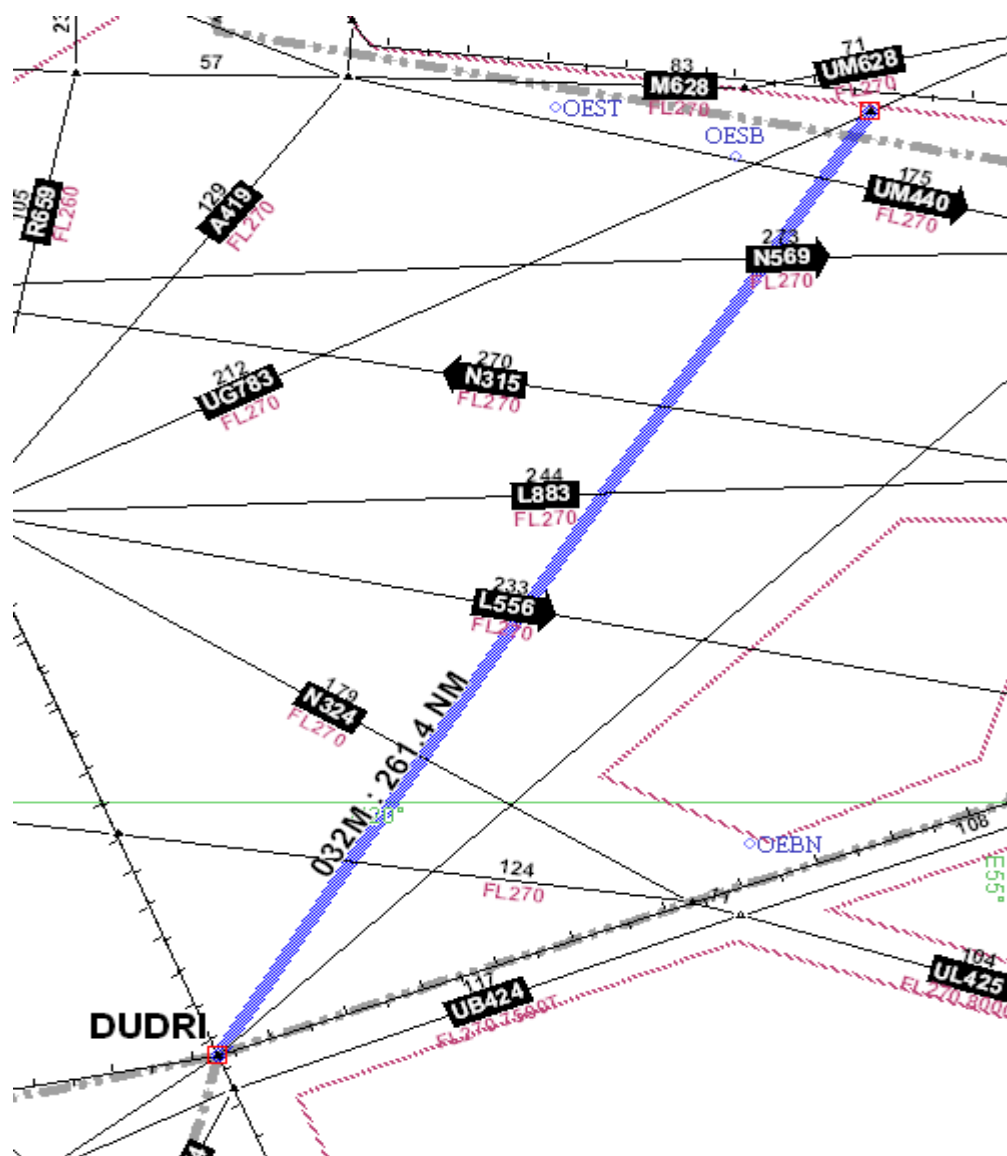


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MID/RC-096	ATS Route Name: New Route UQ578; Bidirectional		Entry-Exit: DUDRI - TANSU	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	IATA iFLEX Proposal		
								Date of Proposal	17 May 2011		
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required		Deadline for each Action
DUDRI 190000N 0520000E TANSU 224136N 0542828E		Bahrain UAE							- Level Restriction FL300/320		TBD
Flight Level Band:											
Potential City Pairs:											
Conclusions/Remarks									Last updated	ARN TF/4 May 2011	

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MID/RC - 096

MID/RC-097	ATS Route Name: New Route A/UA974; Northbound		Entry-Exit: KANAR AMIBO	Inter-Regional Cross Reference if any		Users Priority	High	Originator of Proposal	SCM Libya from IATA EUR		
								Date of Proposal			
Route Description			States Concerned	Expected Implemen- tation date	Implementation Status		ANP Status		Action Taken/Required		Deadline for each Action
KANAR 3227.0N 02654.0E		Egypt				Not in MID ANP in AFI ANP		Egypt Objected to ATS Route, however proposed segment DBA AMIBO			
		Libya									
AMIBO 3457.0N 02136.0E		Malta									
Flight Level Band:											
Potential City Pairs:											
Conclusions/Remarks									Last updated		

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		