

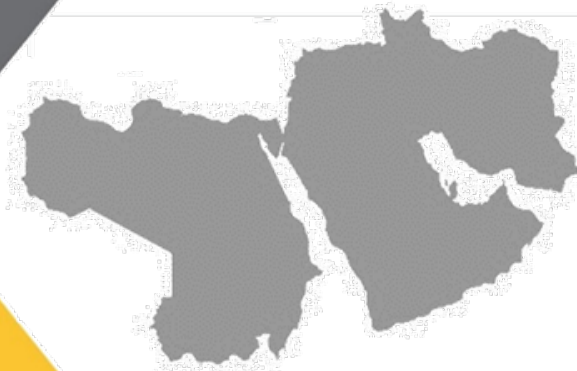


MIDANPIRG/18



RASG-MID/8

VIRTUAL MEETINGS



15-22 February 2021

MIDANPIRG/18 and RASG-MID/8 Virtual Meetings

(15 - 22 February 2020)



ICAOMID



MIDANPIRG/18, Agenda item 5.2.6: Specific Air Navigation issues

CNS: AFTN/CIDIN/AMHS Routing Table and MIDAMC Operation

Presented by the secretariat

MIDAMC Operation

- The meeting may wish to recall that the MIDAMC web application was established because some of the operational functions (like routing management) were not available to the MID COM Centers. The meeting was informed that the EUR AMC decided to provide External COM users similar access like CCC user (EUR users). Thus, the routing management function can be used by all AMC users globally.
- The CNS SG/10 meeting (Online, 1-3 December 2020) agreed that there is no need to keep using the MIDAMC web application and that EUR AMC should be used by all MID users. However, the MIDAMC team will continue carrying out coordination and operation support role.

- The CNS SG/10 meeting proposed the following Draft Conclusion:

MIDANPIRG DRAFT CONCLUSION 18/XX: MIDAMC OPERATION EFFICIENCY

That, in order to enhance the MIDAMC operation efficiency, States are encouraged to:

- update their MIDAMC focal point(s);*
- register MIDAMC users on the EUR AMC as external AMC operator, in coordination with the MIDAMC Team by **1 March 2021**;*
- note that the MIDAMC web application will be withdrawn by **1 April 2021**;and*
- nominate SMEs to join the MIDAMC Team. A training on MIDAMC operation will be arranged for new MIDAMC members.*

MIDANPIRG DRAFT CONCLUSION 18/XX: MIDAMC OPERATION EFFICIENCY

Why	To improve the MIDAMC operation efficiency and eliminate duplication of efforts
What	Start using the AMC and update relevant data
Who	MIDAMC Users
When	March 2021

- The CNS SG/10 meeting agreed on the need to organize a refresher training on the use of the AMC functions, inter-alia, using the routing management function and developing routing directory.
- The CNS SG/10 meeting proposed the following Draft Conclusion:

MIDANPIRG DRAFT CONCLUSION 18/XX: AMC OPERATION WEBINAR

*That, in order to provide the MIDAMC users with the required knowledge on the use of the AMC functions and tools, a webinar on AMC operation be organized in **March 2021**, by ICAO MID and MIDAMC Team.*

MIDANPIRG DRAFT CONCLUSION 18/XX: MIDAMC OPERATION WEBINAR

Why	To raise awareness on the use of the AMC
What	Organize a webinar on AMC Operation
Who	MIDAMC and ICAO MID
When	March 2021

ATS Extended Services

- The meeting discussed and reviewed the capabilities to implement ATS Extended Services in the MID Region to enable implementation of XML based messages. Furthermore, the meeting reviewed and updated the MID ROC plan as at **Appendix A.**

AFTN/CIDIN/AMHS Routing Directory

- The meeting may wish to recall that MIDANPIRG/17 meeting, through Conclusion 17/29, tasked MIDAMC to update the AFTN/CIDIN/MHS Routing Directory. The CNS SG/10 meeting reviewed the Regional Routing directory (V 5.0, 2011), and agreed that States to provide updated version by **15 December 2020**. The MIDAMC consolidated all inputs and updated the AFTN/CIDIN/AMHS Routing Directory as at **Appendix B**.
- The meeting is invited to review and endorse the revised version of the AFTN/AMHS Routing Directory.

MIDANPIRG DRAFT CONCLUSION 18/XX: AFTN/CIDIN/AMHS ROUTING DIRECTORY

*That, the AFTN/CIDIN/AMHS Routing Directory in the MID Region, edition February-2021, at **Appendix X**, is endorsed.*

MIDANPIRG Draft Conclusion 18/XX: AFTN/CIDIN/AMHS Routing Directory

Why	To maintain consistent ATS messages routes in the MID Region and minimize messages looping.
What	Endorse the updated version of the AFTN/CIDIN/AMHS Routing Directory
Who	MIDANPIRG
When	February 2021

MID IP Project

- The meeting may wish to note that in spite of several coordination meetings with the CRV service provider (PCCW). All interested States indicated that the subscription cost is very high and do not meet the objective of the project in having cost-effective solution. The MIDAMC STG/6 meeting discussed alternative means to establish Regional IP Network and proposed that the MIDAMC STG be tasked to coordinate with EUROCONTROL to explore the possibility of joining the PENS project.

MIDANPIRG DRAFT DECISION 18/XX: ALTERNATIVE SOLUTION TO ESTABLISH MID IP NETWORK

That, the MIDAMC STG is tasked to coordinate with EUROCONTROL and explore the possibility of joining the PENS project as alternative solution for establishing MID IP Network.

MIDANPIRG Draft Conclusion 18/XX: MIDAMC Operation Webinar

Why	To establish cost-effective MID IP Network
What	Initiate coordination with EUROCONTROL to explore possibility of joining PENS and evaluate the feasibility.
Who	MIDAMC STG
When	March 2021

MIDAMC STG Terms of Reference

- The MIDAMC STG/6 reviewed and updated the MIDAMC STG Terms of Reference as at **Appendix C**, to amend the working arrangement of the study group (allowing online meeting conduct).
- The CNS SG/10 proposed the following Decision:

DRAFT MIDANPIRG DECISION 18/XX: TERMS OF REFERENCE OF THE MIDAMC STG

*That, the Terms of Reference of the MIDAMC STG be updated as at **Appendix C**.*

MIDANPIRG Draft Conclusion 18/XX: MIDAMC Operation Webinar

Why	To revise the Terms of Reference and amend the working arrangement
What	Update the MIDAMC STG Terms of reference
Who	MIDANPIRG
When	February 2021

ACTION BY THE MEETING

The meeting is invited to:

- a) review the progress in the MID ROC Plan; and
- b) Endorse all Draft Conclusions and Decision (Slides 4,6,9,11 and 14) .





MID ROC Plan

<i>AMHS Plan for ROC in Jeddah and Bahrain</i>					
	Task	Timeframe	Assigned to	Champion	Status
<i>AMHS Intra-regional Trunk Connections</i>					
1	Establish Jeddah – Beirut IP Network.	Jul 2015	Saudi Lebanon	IM MS	Completed
2	Establish Bahrain – Beirut IP Network.	Feb 2016	Bahrain Lebanon	YH MS	Completed
3	Establish Cairo – Beirut IP Network.	July 2016	Egypt Lebanon	AF//MR MS	Completed
4	Establish Bahrain – Jeddah IP Network.	Mar 2016	Bahrain Saudi	IM YH	Completed
5	Perform the Interoperability test between Jeddah and Beirut COM Centers.	July 2015	Saudi Lebanon	IB MS	Completed
6	Perform the Interoperability test between Bahrain and Beirut COM Centers.	July 2016	Bahrain Lebanon	MS YH	Completed
7	Perform the Interoperability test between Cairo and Beirut COM Centers	July 2016	Egypt Lebanon	AF/TZ/MR MS/EK	Completed
8	Perform the Interoperability test between Bahrain and Jeddah COM Centers.	15 October 2020	Bahrain Saudi	YM AA	Completed
9	Perform the Pre-operational test between Jeddah and Beirut COM Centers.	July2015	Saudi Lebanon	IM MS	Completed
10	Perform the Pre-operational test between Bahrain and Beirut COM Centers.	July 2016	Bahrain Lebanon	YH MS	Completed
11	Perform the Pre-operational test between Cairo and Beirut COM Centers.	March 2017	Egypt Lebanon	AF/ /MR MS/EK	Completed
12	Perform the Pre-operational test between Bahrain and Saudi COM Centers.	25 October 2020	Bahrain Saudi	YM IM	Completed
13	Place the AMHS link into operation between Jeddah and Beirut COM centers, and updating the Routing tables.	July 2015	Saudi Lebanon MID AMC	IM MS/EK MN	Completed July, 2015
14	Place the AMHS link into operation between Bahrain and Beirut COM centers, and updating the Routing tables.	July 2016	Bahrain Lebanon MID AMC	YH MS/EK MN	Completed On 3/5/2016
15	Place the AMHS link into operation between Cairo and Beirut COM centers, and updating the Routing tables.	April 2017	Egypt Lebanon MID AMC	AF/TZ/MR MS/EK MN	completed

16	Evaluate the Trunks connections bandwidth and increase it if required between (Bahrain, Beirut, Cairo and Jeddah).	Q4 2021	Bahrain Beirut Cairo Jeddah	YH MS/EK AF/TZ IM	
<i>The AMHS Interconnection with EUR Region Depends on Nicosia and Athens</i>					
17	Establish Cairo – Tunis IP Network.	March2016 July 2016		AF/TZ/MR IB/MA	completed
18	Establish Nicosia – Beirut IP Network.	Q3 2021		MS/EK	Lebanon is ready to connect
19	Establish Nicosia – Jeddah IP Network.	Q3 2021		IM	Saudi Arabia is ready to connect
20	Establish Bahrain – Nicosia IP Network.	Q3 2021		AD	Bahrain is ready to connect
21	Establish Cairo – Athens IP Network.	Dec 2016		AF/TZ/MR	completed
22	Perform the Interoperability test between Cairo and Tunis COM Centers.	April 2016 August 2016		AF/ /MR IB/MA	Completed
23	Perform the pre operational test between Cairo and Tunis COM Centers.	Q3 2016		AF/ /MR IB/MA	Completed
24	Place the AMHS link into operation between Cairo and Tunis COM Centers, and updating the Routing tables.	Aug 2016		AF/ /MR IB/MA	completed
25	Perform the Interoperability test between Athens and Cairo COM Centers.	Mar 2017		AF/TZ/MR IB/MA	completed
26	Perform the Interoperability test between Bahrain and Nicosia COM Centers.	Q3 2021		AD	Bahrain is ready to connect
27	Perform the Interoperability test between Nicosia and Jeddah COM Centers.	Q3 2021		IM	Saudi Arabia is ready to connect
28	Perform the Interoperability test between Nicosia and Beirut COM Centers.	Q3 2021		MS/EK	Lebanon is ready to connect
29	Perform the Pre-operational test between Athens and Cairo COM Centers.	Mar 2017		AF/TZ/MR	Completed
30	Perform the Pre-operational test between Bahrain and Nicosia COM Centers.	Q3 2021		YH	Bahrain is ready to connect
31	Perform the Pre-operational test between Nicosia and Beirut COM Centers.	Q3 2021		MS/EK	Lebanon is ready to connect
32	Perform the Pre-operational test between Nicosia and Jeddah COM Centers.	Q3 2021		IM	Saudi Arabia is ready to connect
33	Place the AMHS link into operation between Athens and	Q1 2017		MIDAMC AF/ /MR	Completed

	Cairo COM Centers, and updating the Routing tables.				
34	Place the AMHS link into operation between Bahrain and Nicosia COM Centers, and updating the Routing tables.	Q3 2021		MID AMC YH	
35	Place the AMHS link into operation between Nicosia and Jeddah COM Centers, and updating the Routing tables.	Q3 2021		MID AMC IM	
36	Place the AMHS link into operation between Nicosia and Beirut COM Centers, and updating the Routing tables.	Q3 2021		MS/EK	
37	Evaluate the inter-region connections bandwidth and increase it if required.	Q1 2021		MID AMC	
38	Transition of all regional AFTN/CIDIN Connections to AMHS.	Q3 2021 Q1 2021	All MID States		2 intra-regional CIDIN connections remaining (Bahrain – UAE) (Bahrain -Saudi Arabia)

MIDAMC Steering Group

(MIDAMC STG)

1. TERMS OF REFERENCE (TOR)

1.1 The Terms of Reference of the MIDAMC Steering are:

- a) to promote the efficiency and safety of aeronautical fixed services in the MID Region through the operation and management, on a sound and efficient basis, of a permanent MID Regional ATS Messaging Management Center (MIDAMC);
- b) foster the implementation of the Air traffic service Message handling service in the MID Region through provision of the guidance materials and running facilitation tools, utilizing the MIDAMC;
- c) MIDAMC Steering Group will consist of a focal point from each Participating MID State who would represent the State and acts as the Steering Group Member;
- d) MIDAMC Steering Group will be responsible for overall supervision, direction, evaluation of the MIDAMC project and will review/update the MIDAMC work plan whenever required;
- e) the MID Region is considering the establishment of Regional MID IP Network; the MIDAMC STG will drive the project which is called Common aeRonautical VPN (CRV), until the Operation Group is established; and
- f) provide regular progress reports to the CNS SG, and MIDANPIRG concerning its work programme.

1.2 In order to meet the Terms of Reference, the MIDAMC Steering Group shall:

- a) develop/update the accreditation procedure for all users on the MIDAMC;
- b) develop and maintain guidance materials for MIDAMC users;
- c) discuss and identify solution for operational problems may be arising;
- d) provide support/guidance to States for AMHS Implementation, and monitor the AMHS activities;
- e) assist and encourage States to conduct trial on Implementation of the ATS extended services, and identify operational requirements;
- f) provide guidance/support to States on implementation of XML based data models (IWXXM, FIXM, AIXM,...etc) over AMHS;
- g) monitor States' readiness to implement XML based data models over extended AMHS;
- h) identify the need for any enhancement for the MIDAMC and prepare functional and technical specifications, and define its financial implications;
- i) follow-up on ICAO standards and recommendations on the ATS messaging management;

- j) define future liabilities and new participating States and ANSPs;
- k) follow-up and review the work of similar groups in other ICAO Regions;
- l) follow-up the implementation of IP Network in the MID Region, through joining relevant projects, like CRV and act as project manager; and
- m) proposes appropriate actions for the early implementation also support the IP Network until the Operational Group is establish.

2. COMPOSITION

- a) ICAO MID Regional Office;
- b) Members appointed by the MIDANPIRG member States; and
- c) other representatives, who could contribute to the activity of the Steering Group , could be invited to participate as observers, when required .

3. WORKING ARRANGEMENTS

3.1 The Chairperson, in close co-operation with the Secretary, shall make all necessary arrangements for the most efficient working of the Study Group. The Study Group shall at all times conduct its activities in the most efficient manner possible with a minimum of formality and paperwork (paperless meetings). Permanent contact shall be maintained between the Chairperson, Secretary and Members of the Study Group to advance the work. Best advantage should be taken of modern communications facilities, particularly video-conferencing (Virtual Meetings) and e-mails.

3.2 Face-to-face meetings will be conducted when it is necessary to do so.

- END -