



ATS Messaging Management Centre



MIDAMC STG/7 PPT/7

Update on AMHS Implementation in the MID Region

Muscat, Oman
15/5/2022

Presented by the Secretariat



ATS Messaging Management Centre



MIDAMC Functions

Network Inventory Operational Area [HELP]

[Persons & Contacts](#) |
 [Com Centres](#) |
 [AFTN / CIDIN Capabilities](#) |
 [AMHS Capabilities](#) |
 [VCG's](#) |
 [Connections](#)

Region or Country: MID
 COM Centre: HLLT
 Location: TRIPOLI (TRIPOLI INTL)
 Country: the State of Libya HOME SEARCH

MD Common Name: HL
 Country-Name: XX
 ADMD-Name: ICAO
 PRMD-Name: HL

Personal Role
 Firstname
 Surname
 Phone
 E-Mail

States to update their focal points details, Systems capabilities, Connections are (Libya, Lebanon, Oman, Syria, Kuwait, Sudan, and Yemen)

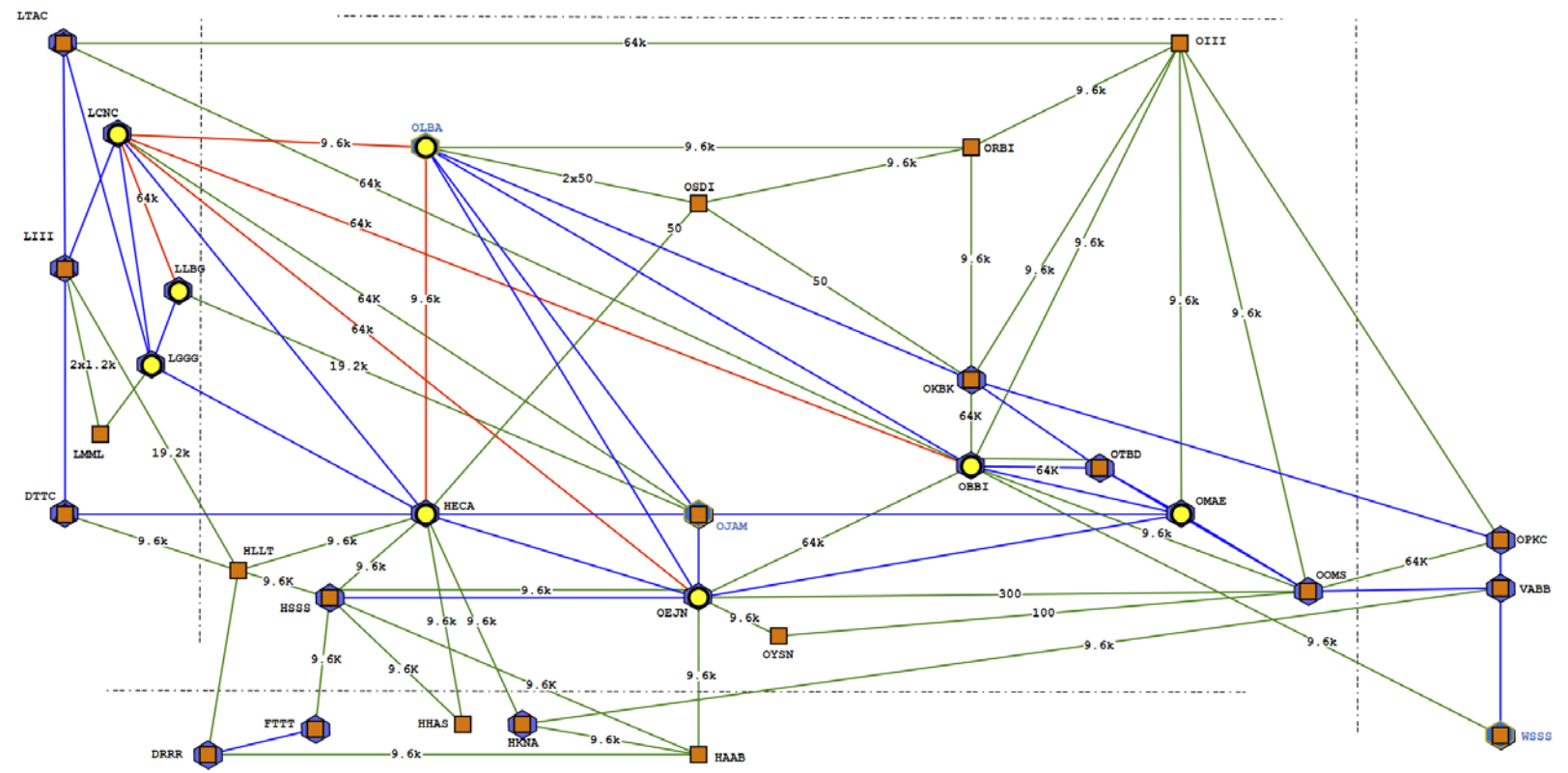


MIDANPIRG CONCLUSION 18/34: MIDAMC OPERATION EFFICIENCY

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

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- c) note that the MIDAMC web application will be withdrawn by **1 April 2021**; and*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

MID COM Chart (21/04/2022)



	CIDIN/AFTN COM Centre		Fully Meshed Island		9.6k - CIDIN Link with Line Speed		9.6k - AMHS Link with Line Speed
	AFTN COM Centre		AMHS Gateway to SITA		9.6k - AFTN Link with Line Speed		9.6k - AMHS-EUROCONTROL/NM Link with Line Speed
	AMHS COM Centre		PENS		Path		

Removal of CIDIN Connections in the MID Region

The meeting may wish to recall that MIDANPIRG/15, through Conclusion 15/30, urged States to refrain from establishing new AFTN and CIDIN connections at the International level, gradually phase out the current connections based on AFTN or CIDIN standards, and expedite their AMHS implementation.

- Lebanon, Egypt
- Cyprus, Bahrain
- Cyprus, Jeddah
- Cyprus, Lebanon

IWXXM & ROC Plan

- AMHS Extended Service is a pre-requisite to exchange IWXXM messages.
- AMHS inter-regional connection is required for the ROC and IWXXM implementation
- The meeting is invited to review ROC Plan at Appendix A

MIDAMC Functions

Routing Tables

- It was noted routing tables on the MIDAMC are not updated and different from the tables in the endorsed AFTN/CIDIN/AMHS Routing Directory.

MID Air Navigation Strategy (COMI)

COMI Thread has been identified as priority 1 Thread for implementation in the MID Region.

COMI					
Element	Title	Applicability	Performance Indicators/	Performance Indicators/	Performance Indicators/
COMI B0/7	ATS Message Handling System (AMHS)	All States	Indicator: % of States that have established AMHS interconnections with adjacent COM Centres Supporting metric: Number of States that have established AMHS interconnections with adjacent COM Centres	90%	Dec 2020
COMI B1/1	Ground-Ground Aeronautical Telecommunication Network/Internet Protocol Suite (ATN/IPS)	All States	Indicator: % of States that have established National IP Network for voice and data communication Supporting metric: Number of States that have established National IP Network for voice and data communication	80%	Dec 2021

MID Air Navigation Strategy (COMI)

Status of Implementation

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen
B0/7	Green	Green	Red	Green	Green	Green	Green	Red	Green	Green	Green	Green	Red	Green	Red
B1/1	Green	Green	Grey	Grey	Green	Grey	Grey	Grey	Green	Green	Green	Grey	Red	Green	Red
Average COMI	Green	Green	Red	Light Green	Green	Light Green	Light Green	Red	Green	Green	Green	Light Green	Red	Green	Red

Average Regional Implementation is 60%

Actions by the meeting:

The meeting is invited to:

- a) Review and update the ROC plan;*
- b) Review and update the Status of Implementation of ASBU COMI Thread;*
- c) Urge States that have not updated/ registered focal points on the AMC to do so;*
- d) Urge Relevant States to migrate CIDIN to AMHS; and*
- e) Discuss the best mean to update the routing tables on the AMC*

APPENDIX A

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.	July 2015	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

<i>AMHS Plan for ROC in Jeddah and Bahrain</i>					
	Task	Timeframe	Assigned to	Champion	Status
<i>AMHS Intra-regional Trunk Connections</i>					
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.	<i>March2016 July 2016</i>		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.	<i>April 2016 August 2016</i>		AF/ /MR IB/MA	Completed
23	Perform the pre operational test between Cairo and Tunis COM Centers.	<i>Q3 2016</i>		AF/ /MR IB/MA	Completed
24	Place the AMHS link into operation between Cairo and Tunis COM Centers, and updating the Routing tables.	<i>Aug 2016</i>		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

<i>AMHS Plan for ROC in Jeddah and Bahrain</i>					
	Task	Timeframe	Assigned to	Champion	Status
<i>AMHS Intra-regional Trunk Connections</i>					
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 Cairo COM Centers, and updating the Routing tables.	Q1 2017		MIDAMC AF/ MR	Completed
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.	Q3 2021		MID AMC	
38	Transition of all regional AFTN/CIDIN Connections to AMHS.	Q3 2021	Bahrain UAE		3 intra-regional CIDIN connection remains
