



International Civil Aviation Organization

**Middle East Air Navigation Planning and
Implementation Regional Group**

**Fifteenth Meeting (MDIANPIRG/15)
(Bahrain, 8 – 11 June 2015)**

Agenda Item 5.2.2: Specific Air Navigation issues

MIDAMC OPERATIONS

(Presented by the Secretariat)

SUMMARY

This paper presents some of the outcomes of MIDAMC STG/2 meeting related to the enhancement of the MIDAMC operation and support.

Action by the meeting is at paragraph 3.

REFERENCES

- MIDAMC STG/2 Report
- NAFISAT SVC/10 Report

1. INTRODUCTION

1.1 The MIDAMC training was successfully conducted from 5 to 7 January 2015 at the IATA premises in Amman, Jordan. The ICAO MID Regional Office issued State letter Reference AN 7/5.1–15/041, announcing the official operation of the MIDAMC, effective 05 February 2015.

1.2 The Second meeting of the MID ATS Message Management Center Steering Group (MIDAMC STG/2) was held in Cairo, Egypt, from 10 to 12 March 2015. The meeting was attended by a total of twenty six (26) participants, from ten (10) States (Egypt, Iran, Jordan, Kuwait, Lebanon, Oman, Saudi Arabia, Sudan, United Arab Emirates and Tunisia).

1.3 The Tenth Meeting of the North Eastern Africa-Indian Ocean (AFI) VSAT Network (NAFISAT) Supervisory Committee was held in Sharm El Sheikh, Egypt 21-24 April 2015. The meeting was attended by thirty-nine (39) participants from (10) States (Djibouti, Egypt, Ethiopia, Kenya, Saudi Arabia, Seychelles, Somalia (FISS), Sudan, Tanzania and Uganda) and the Network Service Provider (ATNS and IATA)

2. DISCUSSION

2.1 The meeting may wish to recall that, the accreditation procedure for the registration of the MIDAMC users was agreed under the following MIDANPIRG/14 Conclusion 14/22, which defined three types of users: MIDAMC Operator, MIDAMC User, and Read-only User. Access to MIDAMC functions varies according to each user category.

2.2 The goal of the procedure is to make sure that only well-identified users with an appropriate level of responsibility are authorized to access the MIDAMC application.

2.3 During the first year of trial and operation, the MIDAMC team received several requests from users outside the ICAO MID Region, who needed to have/create an account on the MIDAMC application. Accordingly, the MIDAMC STG/2 meeting reviewed and updated a new accreditation procedure as at **Appendix A**, and agreed to the following Draft Conclusion:

Why	To update the MIDAMC accreditation procedure in order to allow external users access the MIDAMC
What	MIDAMC accreditation procedure
Who	MIDANPIRG/15
When	June 2015

DRAFT CONCLUSION 2/4: MIDAMC ACCREDITATION PROCEDURE

That, the accreditation procedure for registering in the MIDAMC be amended as at Appendix A.

2.4 The meeting may wish to note that MIDAMC Operator uses the official email domains to validate user request to register as read-only users. Accordingly, the MIDAMC STG/2 meeting reviewed and updated the list of these domains as at **Appendix B**.

2.5 The MIDAMC has an agreed Synchronization procedure with the EUR AMC operator to keep information updated on both AMCs. The importance of keeping the information in the MIDAMC system updated is to be underlined. Accordingly, the States that have not updated the information on the MIDAMC are urged to do so.

2.6 The MIDAMC STG/2 meeting reviewed the COM Chart for the MID Region, and the connections as at **Appendices C and D**, and noted that these can be produced any time using the MIDAMC system.

2.7 It's to be highlighted that MIDAMC sends the three AMHS tables every AIRAC cycle. However, when there is no change in the table, this was not sent. In this regard, the meeting may wish to note that some systems installed in the Region require all three tables even if there is no change. Accordingly, the MIDAMC STG/2 meeting agreed that the MIDAMC send the three tables every AIRAC cycle and agreed to the following Draft Decision:

DRAFT DECISION 2/5: AMHS TABLE THROUGH MIDAMC

That, the MIDAMC be urged to send the three AMHS tables every AIRAC cycle even if no changes in the tables.

2.8 The MIDAMC STG/2 meeting discussed the difficulties/issues faced in the implementation of the AMHS after procurement and developed the following none exhaustive list:

- coordination issues;
- network infrastructure;
- use of VPN for low traffic and testing; and
- first time tests failures.

2.9 The meeting agreed that the MIDAMC operator post these difficulties and the possible solutions on the MIDAMC Forum and requested all States to add their comments and use the forum more effectively. The meeting MIDAMC STG/2 agreed to the following Draft Decision:

Draft Decision 2/1: MIDAMC Posting on Forum

That, MIDAMC Team post the implementation issues/difficulties and possible solutions on the MIDAMC Forum by 30 April 2015.

2.10 Based on the above, the ICAO MID Regional Office requested the MIDAMC operators to implement the above Decision and it was noted that the implementation issue and difficulties were posted, and the posting of the three AMHS tables will be regular.

2.11 At the tenth meeting of the NAFISAT SVC, ATNS presented information on AMHS MTA to MTA trials conducted between FAOR (Johannesburg) and FBSK (Gaborone) and Addis Ababa using the IP (Internet Protocol) capability of the NAFISAT and SADC VSAT II networks. The trials were successful from a technical perspective and proved the capability of the future NAFISAT platform. However, there were operational challenges observed and ATNS recommended that States should ensure that the training provided by AMHS equipment suppliers is to a level where the configuration can be performed independently of the equipment suppliers.

2.12 In this regard the NAFISAT SVC/10 meeting was informed that the MID Region had achieved the AMHS implementation which included interconnection between systems from different vendors. Furthermore, MID Region had established their own MID ATS Message Management Centre (MIDAMC) and it is has been declared as operational as of 5 February 2015 after more than two years of trials. The SVC/10 meeting encouraged the NAFISAT member States to register as external users on the MIDAMC website: <http://www.midamc.jo> in order to get used to the MIDAMC operations and gain the access to its library that has useful documentation. Furthermore, the ICAO ESAF States showed interest to join the MIDAMC. This request is under consideration by the MIDAMC and will be discussed at the CNS SG/7 and the MIDAMC STG/3 meetings.

2.13 The MIDAMC STG/2 meeting was apprised of the current Static routes in AFS that do not allow for the automatic failover or redundant paths, so if failure occurs, operators must manually adjust the routes to move data through an alternative path.

2.14 The MIDAMC STG/2 meeting noted that in order to enhance the availability, reliability of the AFS Network and minimize downtime to the minimum, dynamic routing can be deployed. Dynamic routing protocols can update routing tables in the event of device or interface failure, so if there are multiple possible paths, these protocols will continue to allow data flow. However, to achieve this stage detailed studies and trials are needed. It is to be noted that, in order to participate in these trials the States should have, among others the following:

- Backup/Test AMHS System;
- at least two operational AMHS Link;
- Human resources (Network Expert, system engineer, AFS Operator); and
- Vendor support preferable

2.15 The MIDAMC STG/2 meeting agreed that these capabilities are not available in many States and in order to keep the momentum, the meeting agreed to conduct survey at the MIDAMC STG member level and decide further actions in the next meeting based on the survey results.

2.16 The meeting may recall that SITA is operating an AFTN – Type B gateway for over 40 years. The service was using low speed connections to the AFTN network in several States. These inter-connections allowed ATS organizations and airlines to communicate using AFTN messages on the ATS organizations’ side and Type B messages on the airlines’ side.

2.17 Several AFTN low speed connections reaching end of life required urgent use of alternative IP based connections where possible to continue message exchanges. Considering that AMHS implementation is well advanced within the ICAO MID Region, SITA seeks interconnection with ANSPs within the Region using AMHS. The SITA’s AMHS Gateway is operational since November 2014 and ready for AMHS interconnections.

2.18 Based on the above, the CNS SG/6 meeting requested SITA to provide the MIDAMC team with the list of SITA users and the AFTN connections in the MID Region and tasked the MIDAMC to develop the plan to migrate to AMHS/SITA Gateway.

2.19 SITA confirmed that thirteen (13) States in the MID Region (Bahrain, Egypt, Iraq, Iran, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi, Syria, UAE and Yemen) exchange traffic with SITA Network. Furthermore, the MID AMC STG/2 reviewed and updated the SITA “Transition Plan for Interconnection between MID AMHS Network and the SITA Type X Network” and the developed action Plans to Migrate from Gateway Type B to Gateway Type X in Qatar and Jordan. The plans are at **Appendix E**.

2.20 With regard to the routers and other hardware requirements for the replacement of the low speed with IP, SITA had confirmed that they shall provide them and the cost of the message will remain the same as is in the current AFTN connection and no changes to the charging method.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) endorse the Draft Conclusion in para 2.3;
- b) urge States that have not updated their data in MIDAMC system to do so;
- c) task MIDAMC STG to study the extension of MIDAMC support to other Regions;
- d) encourage States to join the Dynamic routing trials; and
- e) encourage concerned States to complete SITA migration from gateway type B to gateway type X Type with MIDAMC STG support.

APPENDIX A

MIDAMC Accreditation Procedure

In order to guarantee the confidentiality and integrity of data contained in the MID-AMC database, it is necessary to grant access rights of a given user category only to people that are duly identified and have the right to view and/or modify such data. This process is called accreditation of users, which is defined hereafter for the accreditation of a user in each category:

There are Four MID-AMC user types:

- 1) Operator which is equivalent to AMC Operator;
- 2) user which is equivalent to AMC CCC Operator;
- 3) read-Only User which is equivalent to AMC Read-Only.
- 4) external MID AMC User

- 1- Operator which is equivalent to AMC Operator;
 - 1.1. These are the main operators of the MIDAMC
- 2- AMC External Operators on European AMC of the MID Region:
 - 2.1. MID-AMC Operator transferred those users to MID-AMC as MID-AMC Users.
 - 2.2. AMC External operator to register online on MID-AMC website at www.midamc.jo
 - 2.3. New MID-AMC Users:
 - 2.4. State to send letter or email to ICAO MID Regional Office to designate a new MIDAMC User.
 - 2.5. New MID-AMC User to register online on MID-AMC website at www.midamc.jo
 - 2.6. MIDAMC Operator coordinate with ICAO MID Office to approve the request
- 3- **AMC Read-Only Users** on European AMC for the MID Region:
 - 3.1. MID-AMC Operator transferred those users to MID-AMC as MID-AMC Read-only Users.
 - 3.2. AMC Read-only users to register online on MID AMC website at www.midamc.jo
 - 3.4. New MIDAMC Read-Only User to register online on MID AMC website at www.midamc.jo
 - 3.4. MIDAMC Operator coordinates with the MID AMC User of the corresponding COM center (if any) or with the ICAO MID office to approve the request.
- 4- **External MIDAMC User:**

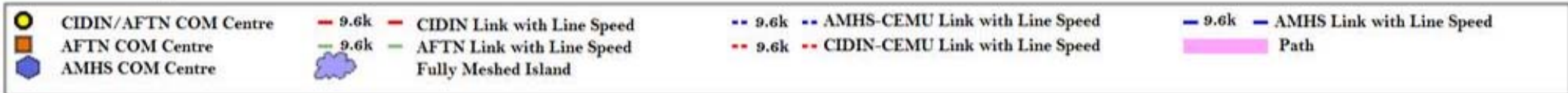
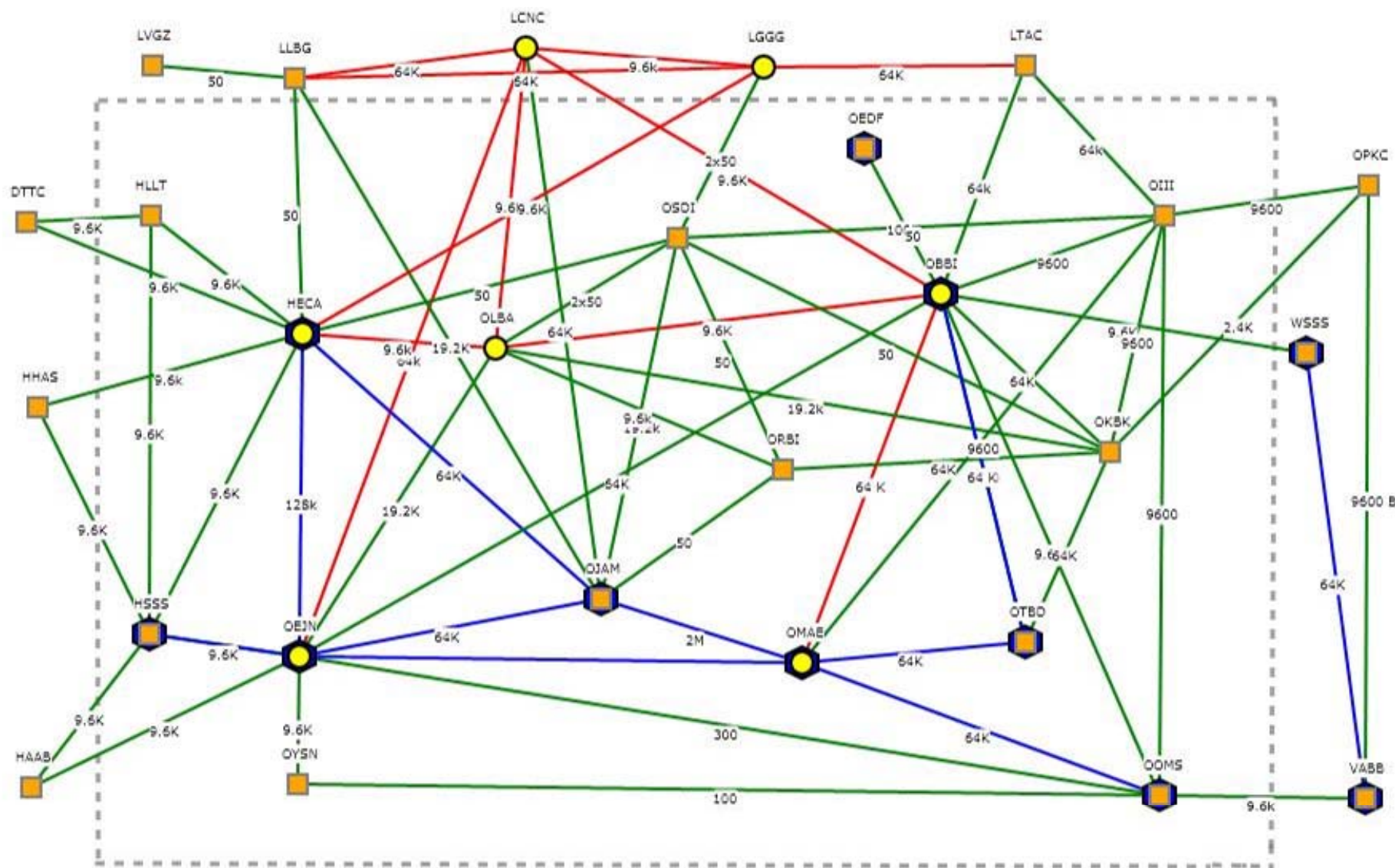
Users from outside MID Region and act as either CCC on EUR AMC or External AMC user can register on the MIDAMC as **external** MIDAMC User:

 - 4.1. register online at www.midamc.jo
 - 4.2. MIDAMC Operator check the registration on EUR AMC to validate the registration

APPENDIX B

MID Email Domains List

Bahrain:	Ministry of transportation	@mot.gov.bh
Egypt:	Ministry of Civil Aviation	@civilaviation.gov.eg
Iran:	Civil Aviation Organization Iran Airports Company	@cao.ir @airport.ir
Iraq:	Iraqi Civil Aviation Authority	@iraqcaa.com
Jordan:	Civil Aviation Regulatory Commission	@carc.gov.jo
Kuwait:	Directorate General of Civil Aviation	@dgca.gov.kw
Lebanon:	Directorate general of Civil Aviation	@dgca.gov.lb @beirutairport.gov.lb @lebcaa.com
Libya:	Libyan Civil Aviation Authority	@caa.ly
Oman:	Public authority for Civil Aviation	@paca.gov.om
Qatar:	Civil Aviation Authority	@caa.gov.qa
Saudi:	General Authority of civil Aviation	@gaca.gov.sa
Sudan:	Civil Aviation Authority	@scaa.gov.sd
Syria:	Syrian Civil Aviation Authority	@scaa.sy
UAE:	General Civil Aviation Authority	@gcaa.gov.ae @szc.gcaa.ae
Yemen:	Civil Aviation and Metrological Authority	@camayemen.com



- Persons & Contacts
- Com Centres
- AFTN / CIDIN Capabilities
- AMHS Capabilities
- VCG's
- Connections

Region

MID

COM Centre

OMAE

Location

EMIRATES FIR

Country

United Arab Emirates

HOME

SEARCH

MD Common Name

UAE

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

UAE

MTA Name

OMAE-MTA

Maximum Content Length

15700

Extended Encoded Information Types in Support of:

☒ IA5

☒ FTBP

☒ General Text Body Part(ISO 646)

☒ General Text Body Part(ISO 8859-1)

☒ ATS Message Server

Messages Lifetime (Minutes):

Urgent

1440

Non Urgent

1440

Normal

1440

Report

1440

☒ AFTN/AMHS Gateway

Currently Authorized Message Length

1800

Maximum Number of Addresses

512

Converted General-Text Body Parts

☒ ISO 646

☐ ISO 8859-1

Operational Status

OP

Protocol Capabilities					
Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
AMHS/TCP-I			"P1" - 0x5031	192.168:131.93::102	<input type="checkbox"/>
Created by	Created on		Last Modified by		Last Modified on
sara20061	2015/03/05 14:00:36		sara20061		2015/03/05 14:02:21

- Persons & Contacts
- Com Centres
- MTA's
- Gateways
- VCG's
- Connections

Region

MID

COM Centre

HECA

Location

CAIRO/INTL

Country

Egypt

HOME

SEARCH

MD Common Name

HE

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

HE

MTA Name

MTA-HECA-1

☒ ATS Message Server

Maximum Content Length

Extended Encoded Information Types in Support of:

☒ IA5

☒ FTBP

☐ General Text Body Part(ISO 646)

☐ General Text Body Part(ISO 8859-1)

Messages Lifetime (Minutes):

Urgent

Non Urgent

Normal

Report

☒ AFTN/AMHS Gateway

Currently Authorized Message Length

Maximum Number of Addresses

Converted General-Text Body Parts

☐ ISO 646

☐ ISO 8859-1

Operational Status

OP

Protocol Capabilities

Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
Created by		Created on		Last Modified by	Last Modified on
jomrn1980		2014/08/21 12:03:50			

- Persons & Contacts
- Com Centres
- AFTN / CIDIN Capabilities
- AMHS Capabilities
- VCG's
- Connections

Region

MID

COM Centre

OJAM

Location

AMMAN/MARKA

Country

Jordan

HOME

SEARCH

MD Common Name

OJ

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

OJ

MTA Name

MTA-OJAM-1

☒ ATS Message Server

Maximum Content Length

20000

☒ AFTN/AMHS Gateway

Extended Encoded Information Types in Support of:

☒ IA5

☒ FTBP

☒ General Text Body Part(ISO 646)

☒ General Text Body Part(ISO 8859-1)

Messages Lifetime (Minutes):

Urgent

44000

Non Urgent

44000

Normal

44000

Report

44000

Currently Authorized Message Length

20000

Maximum Number of Addresses

512

Converted General-Text Body Parts

☒ ISO 646

☒ ISO 8859-1

Operational Status

OP

Protocol Capabilities					
Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
AMHS/TCP-I				10.100.100.15	<input checked="" type="checkbox"/>
Created by	Created on		Last Modified by		Last Modified on
jomrn1980	2014/06/30 13:14:40		jomrn1980		2015/01/01 08:44:57

- Persons & Contacts
- Com Centres
- AFTN / CIDIN Capabilities
- AMHS Capabilities
- VCG's
- Connections

Region

MID

COM Centre

OEJN

Location

JEDDAH/KING ABDULAZIZ

Country

Saudi Arabia

HOME

SEARCH

MD Common Name

SAUDI ARABIA

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

SAUDI ARABIA

MTA Name

MTA-OEJN -1

Maximum Content Length

1048576

Extended Encoded Information Types in Support of:

☒ IA5

☒ FTBP

☒ General Text Body Part(ISO 646)

☒ General Text Body Part(ISO 8859-1)

☒ ATS Message Server

Messages Lifetime (Minutes):

Urgent

1440

Non Urgent

1440

Normal

1440

Report

1440

☒ AFTN/AMHS Gateway

Currently Authorized Message Length

15700

Maximum Number of Addresses

512

Converted General-Text Body Parts

☒ ISO 646

☒ ISO 8859-1

Operational Status

OP

Protocol Capabilities					
Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
Created by		Created on		Last Modified by	Last Modified on
jomrn1980		2014/08/21 13:21:31		sara20061	2015/02/10 13:57:28

- Persons & Contacts
- Com Centres
- AFTN / CIDIN Capabilities
- AMHS Capabilities
- VCG's
- Connections

Region

MID

COM Centre

OLBA

Location

BEIRUT/BEIRUT INTL

Country

Lebanon

HOME

SEARCH

MD Common Name

OL

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

OL

MTA Name

MTA-OLBA-1

Maximum Content Length

2000000

Extended Encoded Information Types in Support of:

☒ IA5

☒ FTBP

☒ General Text Body Part(ISO 646)

☒ General Text Body Part(ISO 8859-1)

☒ ATS Message Server

Messages Lifetime (Minutes):

Urgent

360

Non Urgent

8640

Normal

2880

Report

2880

☒ AFTN/AMHS Gateway

Currently Authorized Message Length

64000

Maximum Number of Addresses

512

Converted General-Text Body Parts

☒ ISO 646

☒ ISO 8859-1

Operational Status

NON OP

Protocol Capabilities					
Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
AMHS/TCP-I			0x544350		<input type="checkbox"/>
Created by					
sara20061		Created on		Last Modified by	
		2015/03/05 12:24:53		sara20061	
				Last Modified on	
				2015/03/05 12:44:50	

- Persons & Contacts
- Com Centres
- AFTN / CIDIN Capabilities
- AMHS Capabilities
- VCG's
- Connections

Region

MID

COM Centre

OOMS

Location

MUSCAT/MUSCAT INTL

Country

Oman

HOME

SEARCH

MD Common Name

00

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

00

MTA Name

MTA-OOMS-1

Maximum Content Length

Extended Encoded Information Types in Support of:

IA5

FTBP

General Text Body Part(ISO 646)

General Text Body Part(ISO 8859-1)

ATS Message Server

Messages Lifetime (Minutes):

Urgent

Non Urgent

Normal

Report

AFTN/AMHS Gateway

Currently Authorized Message Length

Maximum Number of Addresses

Converted General-Text Body Parts

ISO 646

ISO 8859-1

Operational Status

OP

Protocol Capabilities					
Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
Created by		Created on		Last Modified by	Last Modified on
jomrn1980		2014/06/30 13:58:14			

- Persons & Contacts
- Com Centres
- AFTN / CIDIN Capabilities
- AMHS Capabilities
- VCG's
- Connections

Region

MID

COM Centre

HSSS

Location

KHARTOUM

Country

Sudan

HOME

SEARCH

MD Common Name

HS

Country-Name

XX

ADMD-Name

ICAO

PRMD-Name

HS

MTA Name

MTA-HSSS-1

Maximum Content Length

2000000

Extended Encoded Information Types in Support of:

☒ IA5

☒ FTBP

☒ General Text Body Part(ISO 646)

☒ General Text Body Part(ISO 8859-1)

Messages Lifetime (Minutes):

Urgent

360

Non Urgent

8640

Normal

2880

Report

2880

☒ ATS Message Server

☒ AFTN/AMHS Gateway

Currently Authorized Message Length

64000

Maximum Number of Addresses

512

Converted General-Text Body Parts

☒ ISO 646

☒ ISO 8859-1

Operational Status

OP

Protocol Capabilities					
Protocol	P-SEL	S-SEL	T-SEL	Network Address (NSAP or IP)	Active
Created by		Created on		Last Modified by	Last Modified on
jomrn1980		2014/08/21 12:36:42		mubark_g	2015/02/25 09:11:41

Persons & Contacts

Com Centres

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region

COM Centre

Location

Country

MID

OJAM

AMMAN/MARKA

Jordan

HOME

SEARCH

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

OJ

XX

ICAO

OJ

Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	HECA	AMHS/TCP-I		Leased Line	64K	JTC	<input checked="" type="checkbox"/>		—
	LCNC	CONV. AFTN		Digital Leased Line	64K	Batelco/CYTA	<input checked="" type="checkbox"/>		—
	LLBG	CONV. AFTN		AFTN	19.2K		<input checked="" type="checkbox"/>		—
	OEJN	AMHS/TCP-I		Leased Line	64K	STC	<input checked="" type="checkbox"/>		—
	OMAE	AMHS/TCP-I		VPN	2M		<input checked="" type="checkbox"/>		—
	ORBI	AFTN X25			50		<input type="checkbox"/>		—
	OSDI	CONV. AFTN			19.2k		<input checked="" type="checkbox"/>		—

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	OLBA	AMHS	10.100.100.15	VPN	2MHz		<input type="checkbox"/>	Add	--
	ORBI	AMHS/TCP-I		VSAT			<input type="checkbox"/>	Change	—
	ORBI	CONV. AFTN		VSAT			<input type="checkbox"/>	Add	—

REPORT

Persons & Contacts

Com Centres

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region

COM Centre

Location

Country

MID

OBBI

BAHRAIN INTERNATIONAL

Bahrain

HOME

SEARCH

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

OB

XX

ICAO

OB

Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	LCNC	CIDIN PVC			9.6K		<input checked="" type="checkbox"/>		—
	LTAC	CONV. AFTN		Digital Leased Line	64k		<input checked="" type="checkbox"/>		—
	OEDF	AFTN X25			100		<input checked="" type="checkbox"/>		—
	OEJN	CONV. AFTN		SYNC	64K	STC	<input checked="" type="checkbox"/>		—
	OIII	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OKBK	CONV. AFTN			64K		<input checked="" type="checkbox"/>		—
	OLBA	CIDIN PVC			9.6K		<input checked="" type="checkbox"/>		—
	OMAE	CIDIN PVC			64 K		<input checked="" type="checkbox"/>		—
	OOMS	AFTN X25			9.6K		<input checked="" type="checkbox"/>		—
	OTBD	AFTN X25			1200		<input checked="" type="checkbox"/>		—
	OTBD	AMHS			64 K		<input checked="" type="checkbox"/>		—
	WSSS	AFTN X25		AFTN X.25	9.6K		<input checked="" type="checkbox"/>		—

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	LCNC	CIDIN PVC		Digital Leased Line	64K	Batelco/CYTA	<input type="checkbox"/>	Add	—
	OEJN	AMHS			64K		<input type="checkbox"/>	Change	--
	OLBA	AMHS		VPN			<input type="checkbox"/>	Add	--
	WSSS	AMHS/TCP-I		IPS	64K		<input type="checkbox"/>	Add	—

REPORT

Persons & Contacts

Com Centres

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region

COM Centre

Location

Country

MID

HECA

CAIRO/INTL

Egypt

HOME

SEARCH

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

HE

XX

ICAO

HE

Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	DTTC	AFTN X25		Leased Line	9.6K		<input checked="" type="checkbox"/>		—
	HHAS	AFTN X25			9.6k		<input checked="" type="checkbox"/>		—
	HKNA	CONV. AFTN			9.6k		<input checked="" type="checkbox"/>		—
	HLLT	CONV. AFTN			9.6K		<input checked="" type="checkbox"/>		—
	HSSS	CONV. AFTN		asynch	9.6K	NAFISAT	<input checked="" type="checkbox"/>		—
	LGGG	CIDIN PVC			9.6K		<input checked="" type="checkbox"/>		—
	LLBG	CONV. AFTN		AFTN	50		<input checked="" type="checkbox"/>		—
	OEJN	AMHS/TCP-I		Leased Line	128k	PTT	<input checked="" type="checkbox"/>		—
	OJAM	AMHS/TCP-I		Leased Line	64K	JTC	<input checked="" type="checkbox"/>		—
	OLBA	CIDIN SVC			9.6k		<input checked="" type="checkbox"/>		—
	OSDI	CONV. AFTN			50		<input checked="" type="checkbox"/>		—

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	DTTC	AMHS/TCP-I		Leased Line	64k	TUNISIE TELECOM	<input type="checkbox"/>	Change	—
	HSSS	AMHS		TCP		telecom company Or NAFISAT	<input type="checkbox"/>	Add	—

REPORT

Persons & Contacts

Com Centres

AFTN / CIDIN Capabilities

AMHS Capabilities

VCG's

Connections

Region

COM Centre

Location

Country

MID

OIII

TEHRAN/MEHRABAD INTL

Iran, Islamic Republic of

HOME

SEARCH

MD Common Name

Country-Name

ADMD-Name

PRMD-Name

OI

XX

ICAO

OI

Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	LTAC	CONV. AFTN			64k		<input checked="" type="checkbox"/>		—
	OBBI	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OKBK	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OMAE	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OOMS	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OPKC	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OSDI	CONV. AFTN			50		<input checked="" type="checkbox"/>		—

Planned Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
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Iraq

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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OJAM	AFTN X25			50		<input type="checkbox"/>		—
	OKBK	AFTN X25			64K		<input checked="" type="checkbox"/>		—
	OLBA	AFTN X25			9.6k		<input type="checkbox"/>		—
	OSDI	AFTN X25			50		<input type="checkbox"/>		—

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	OJAM	AMHS/TCP-I		VSAT			<input type="checkbox"/>	Change	—
	OJAM	CONV. AFTN		VSAT			<input type="checkbox"/>	Add	—

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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OBBI	AFTN X25			100		<input checked="" type="checkbox"/>		-

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Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OBBI	AFTN X25			100		<input checked="" type="checkbox"/>		-

Planned Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OBBI	CONV. AFTN			64K		<input checked="" type="checkbox"/>		—
	OIII	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OLBA	CONV. AFTN			19.2k		<input checked="" type="checkbox"/>		—
	OPKC	CONV. AFTN			2.4K		<input checked="" type="checkbox"/>		—
	ORBI	AFTN X25			64K		<input checked="" type="checkbox"/>		—
	OSDI	CONV. AFTN			50		<input checked="" type="checkbox"/>		—
	OTBD	AFTN X25			64K		<input checked="" type="checkbox"/>		—

Planned Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type
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Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	HECA	CIDIN SVC			9.6k		<input checked="" type="checkbox"/>		—
	LCNC	CIDIN SVC			9.6k		<input checked="" type="checkbox"/>		—
	OBBI	CIDIN PVC			9.6K		<input checked="" type="checkbox"/>		—
	OEJN	CONV. AFTN		ASYN	19.2K	STC	<input checked="" type="checkbox"/>		—
	OKBK	CONV. AFTN			19.2k		<input checked="" type="checkbox"/>		—
	ORBI	AFTN X25			9.6k		<input type="checkbox"/>		—
	OSDI	CONV. AFTN			2x50		<input checked="" type="checkbox"/>		—

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	OBBI	AMHS		VPN			<input type="checkbox"/>	Add	--
	OEJN	AMHS		Leased Line	256 Kbps		<input type="checkbox"/>	Add	--
	OJAM	AMHS	10.100.100.15	VPN	2MHz		<input type="checkbox"/>	Add	--

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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	DTTC	CONV. AFTN		Leased Line	9.6K		<input checked="" type="checkbox"/>		—
	FTTT	CONV. AFTN			19200		<input checked="" type="checkbox"/>		—
	HECA	CONV. AFTN			9.6K		<input checked="" type="checkbox"/>		—
	HSSS	CONV. AFTN		asynch	9.6K	NAV SAT	<input checked="" type="checkbox"/>		—
	LIII	CONV. AFTN			64K	PTT Router	<input checked="" type="checkbox"/>		—
	LMML	CONV. AFTN		Digital	2.4K		<input checked="" type="checkbox"/>		—

Planned Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type
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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OBBI	AFTN X25			9.6K		<input checked="" type="checkbox"/>		—
	OEJN	CONV. AFTN		ASync	300	PTT	<input checked="" type="checkbox"/>		—
	OIII	CONV. AFTN			9600		<input checked="" type="checkbox"/>		—
	OMAE	AMHS/TCP-I			64K		<input checked="" type="checkbox"/>	AMHS Link	—
	OYSN	AFTN X25			100		<input checked="" type="checkbox"/>		—
	VABB	CONV. AFTN		64K Leased Line	9.6k		<input checked="" type="checkbox"/>	AFTN/IP	—

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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	VABB	AMHS/TCP-I		IPS	64K		<input type="checkbox"/>	Change	—

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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OBBI	AFTN X25			1200		<input checked="" type="checkbox"/>		—
	OBBI	AMHS			64 K		<input checked="" type="checkbox"/>		—
	OKBK	AFTN X25			64K		<input checked="" type="checkbox"/>		—
	OMAE	AMHS/TCP-I			64K		<input checked="" type="checkbox"/>	Bilaterally agreed	—

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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
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	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	FTTT	CONV. AFTN		asynch	9.6K	NAFISAT	<input checked="" type="checkbox"/>		--
	HAAB	CONV. AFTN		asynch	9.6K	NAFISAT	<input checked="" type="checkbox"/>		--
	HECA	CONV. AFTN		asynch	9.6K	NAFISAT	<input checked="" type="checkbox"/>		--
	HHAS	CONV. AFTN		asynch	9.6K	NAFISAT	<input checked="" type="checkbox"/>		--
	HLLT	CONV. AFTN		asynch	9.6K	NAV SAT	<input checked="" type="checkbox"/>		--
	OEJN	CONV. AFTN		ASync	9.6K	NAFISAT	<input checked="" type="checkbox"/>		--
	OEJN	AMHS		tcp		telecom company	<input checked="" type="checkbox"/>	active from 15/02/2015	--

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
	HECA	AMHS		TCP		telecom company Or NAFISAT	<input type="checkbox"/>	Add	--

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Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	HECA	CONV. AFTN			50		<input checked="" type="checkbox"/>		—
	LGGG	CONV. AFTN			2x50		<input checked="" type="checkbox"/>		—
	OIII	CONV. AFTN			50		<input checked="" type="checkbox"/>		—
	OJAM	CONV. AFTN			19.2k		<input checked="" type="checkbox"/>		—
	OKBK	CONV. AFTN			50		<input checked="" type="checkbox"/>		—
	OLBA	CONV. AFTN			2x50		<input checked="" type="checkbox"/>		—
	ORBI	AFTN X25			50		<input type="checkbox"/>		—

Planned Connections

Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
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Existing Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Remark	
	OEJN	CONV. AFTN		ASync	9.6K	NAFISAT	<input checked="" type="checkbox"/>		—
	OOMS	AFTN X25			100		<input checked="" type="checkbox"/>		—

Planned Connections

	Remote COM	Protocol	Network Address	Link Type	Capacity	Supplier	Active	Event Type	
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Action Plan to Migrate from Gateway Type B to Gateway Type X in Jordan and Qatar

Gateway Type X in Jordan

Task	References	date	Note
1. Installation and Testing of IPv4 Connection	- IP Infrastructure Tests Guidelines EUR Doc 027	Aug 2015	
2. Develop Configuration document of the AMHS Interoperability Test	-ICAO EUR Doc 020 – Appendix E -ICAO EUR Doc 021	Sep 2015	
3. Installation and testing of Redundant IPv4 Connection	- IP Infrastructure Tests Guidelines EUR Doc 027	Oct 2015	
4. Conduct AMHS Interoperability Test	-ICAO EUR Doc 020 – Appendix E	Nov 2015	
5. Develop Configuration document of the AMHS Pre-operational Test	-ICAO EUR Doc 020 – Appendix F	Dec 2015	
6. Conduct AMHS Pre-operational Test	-ICAO EUR Doc 020 – Appendix F	Jan-Feb 2016	
7. Update routing tables in Jordan AMHS System and migration to Gateway Type X	-MID AMC Manual	Mar 2016	

Action Plan to Migrate from Gateway Type B to Gateway Type X in Jordan and Qatar

Gateway Type X in Qatar

Task	References	date	Note
1. Installation and Testing of IPv4 Connection	- IP Infrastructure Tests Guidelines EUR Doc 027	Aug 2015	
2. Develop Configuration document of the AMHS Interoperability Test	-ICAO EUR Doc 020 – Appendix E -ICAO EUR Doc 021	Sep 2015	
3. Installation and testing of Redundant IPv4 Connection	- IP Infrastructure Tests Guidelines EUR Doc 027	Oct 2015	
4. Conduct AMHS Interoperability Test	-ICAO EUR Doc 020 – Appendix E	Nov 2015	
5. Develop Configuration document of the AMHS Pre-operational Test	-ICAO EUR Doc 020 – Appendix F	Dec 2015	
6. Conduct AMHS Pre-operational Test	-ICAO EUR Doc 020 – Appendix F	Jan-Feb 2016	
7. Update routing tables in Qatar AMHS System and migration to Gateway Type X	-MID AMC Manual	Mar 2016	

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