



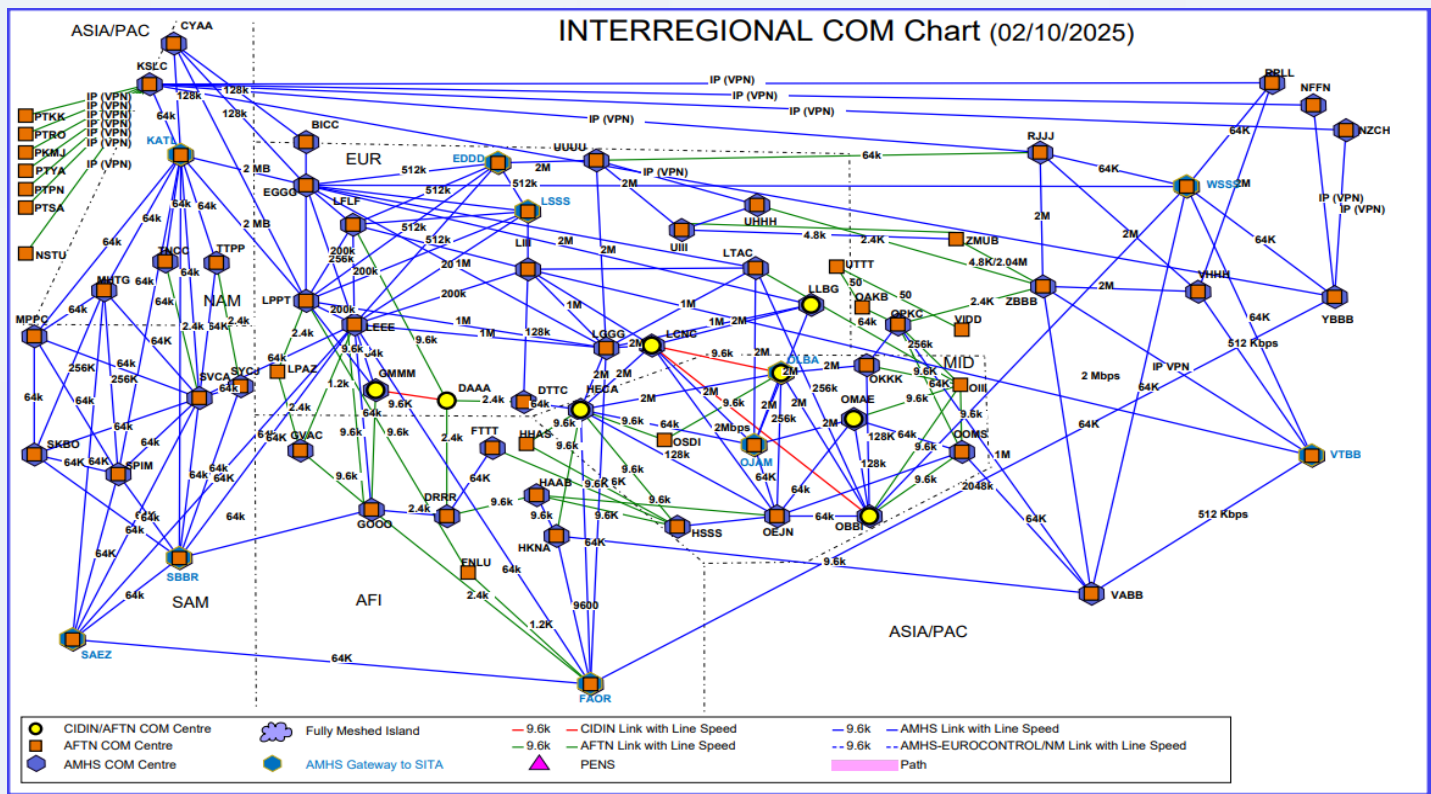
**Tenth Meeting of the MID ATS Messaging Management Centre  
Steering Group (MIDAMC STG/11)  
(Cairo, Egypt, 8-9 April 2026)**

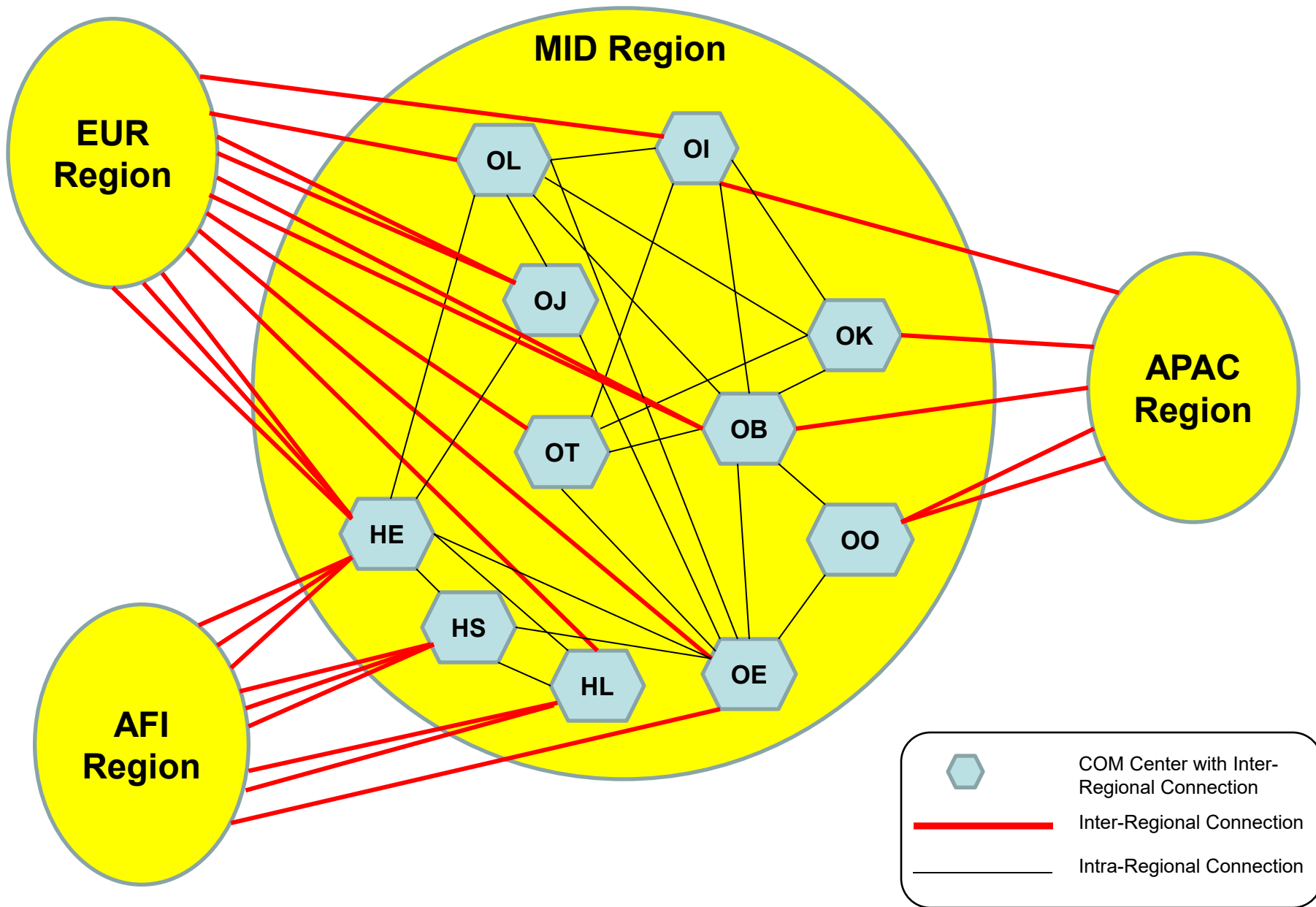
# **MIDAMC Progress report**

By MIDAMC

# Interregional Connections of MID Region to other ICAO Regions

Several institutional, operational and technical aspects must be considered in the planning process of interregional connections between MID and adjacent ICAO Regions.





## AFTN/AMHS Interregional Connections with **EUR Region**

- A summary of the existing connections between the EUR designated interregional gateways and MID Region is presented below, with some details as derived from the AMC.

State	COM Centre	EUR Region Centre	Type of connection	Capacity	Operational date	Comments
Egypt	HECA	LGGG	AMHS	2M		
		DTTC	AMHS	2M		
		LCNC	AMHS	2M		For bilateral traffic
Jordan	OJAM	LCNC	AMHS	2M	9-9-2025	
		LTAC	AMHS			For bilateral traffic
Iran	OIII	LTAC	<b>AFTN</b>			Unstable
Saudi Arabia	OEJN	LCNC	AMHS	2M		
Qatar	OTBD	LCNC	AMHS	2M	15-5-2025	
Lebanon	OLBA	LCNC	<b>CIDIN</b>	64k		
Bahrain	OBBI	LCNC	<b>CIDIN</b>	64K		
		LTAC	AMHS			
Libya	HLTT	DTTC	<b>AFTN</b>	9.6K		

## Designated AFTN/AMHS Gateway Centres in the EUR/NAT Regions

- The Gateway Centres EUR/NAT Regions for interregional AFTN/AMHS traffic exchange as specified below

For the MID Region	Athens and Nicosia
For the NAM Region	London and Lisbon
For the CAR Region	London and Madrid
For the SAM Region	Madrid and London
For the ASIA/PAC Regions	London, Rome and Moscow
For the AFI Region	Athens and Madrid

## AFTN/AMHS Interregional Connections with **APAC Region**

- A summary of the existing connections between the APAC Region and MID Region is presented below, with some details as derived from the AMC.

State	COM Centre	APAC Region Centre	Type of Connection	Capacity	Operational Date	Comments
Oman	OOMS	VABB	AMHS	64k		
		OPKC	AFTN	64k		Will migrate to AMHS soon
Bahrain	OBBI	WSSS	AMHS	2M	9-2025	
Iran	OIII	OPKC	AFTN	64k		
Kuwait	OKKK	OPKC	AMHS	2M		

### 5 Connections

- ❑ According to AMC information, Oman (OOMS) has planned activity to migrate the existing AFTN connection with Pakistan (OPKC) to AMHS in the near future.
- ❑ The interregional connections between the MID region and APAC region have to be expanded to ensure that both regions are served sufficiently.
- ❑ Qatar, UAE, and Saudi Arabia may consider implementing new AMHS interregional connections with APAC region which will improve redundancy between the two regions.

## AFTN/AMHS Interregional Connections with **AFI Region**

- A summary of the existing connections between the AFI Region and MID Region is presented below, with some details as derived from the AMC.

	COM Centre	AFI Region Centre	State	Type of Connection	Capacity	Operational Date
<b>Egypt</b>	HECA	FAOR	South Africa	AMHS	64k	
		HHAS	Eritrea	AFTN	9.6K	
		HKNA	Kenya	AFTN	9.6K	
<b>KSA</b>	OEJN	HAAB	Ethiopia	AFTN	9.6K	Unstable
<b>Sudan</b>	HSSS	FTTT	Chad	AFTN	9.6K	
		HAAB	Ethiopia	AFTN	9.6K	
		HHAS	Eritrea	AFTN	9.6K	
<b>Libya</b>	HLLT	DRRR	Niger	AFTN	9.6K	
		FTTT	Chad	AFTN	9.6K	

- As there is currently one AMHS connection between the two regions, it is recommended that most of AFTN interregional connections should be migrated to AMHS to reduce the asymmetric routing between the two regions

## AFTN/AMHS Gateway Centres to other Networks (AMHS Gateways to SITA)

- The SITA Regional Gateways connected the AFS Network via an AMHS Gateway are identified in the following table :

ICAO REGION	COM CENTRES	STATES
AFI	FAOR	South Africa
ASI/PAC	VTBB	Thailand
	WSSS	Singapore
EUR/NAT	EDDD	Germany
	LSSS	Switzerland
<b>MID</b>	<b>OJAM</b>	<b>Jordan</b>
	<b>OLBA</b>	<b>Lebanon</b>
NAM/CAR	KATL	United States
SAM	SBBR	Brazil
	SAEZ	Argentina

## AFTN/AMHS Gateway Centres to other Networks

### (AFS to SWIM transition)

- ❑ It was agreed in In (CNS SG13/MIDAMC SG9) to assign the MID AMC Steering Group (MIDAMC STG) the role of overseeing SWIM transition management at the regional level.
- ❑ Therefore, the meeting amended the new draft of the Terms of Reference (ToRs) for the MIDAMC Steering Group which was adopted in MIDANPIRG/ 22.

### **MIDANPIRG DECISION 22/19: MID AMC STG AMENDED TERMS OF REFERENCE**

*That, the amended MID AMC Steering Group Terms of Reference at Appendix B, incorporating SWIM-related activities is endorsed.*

- ❑ MID States are to follow-up on AST TF meetings regarding any updated requirements for SWIM transition.

## Regional IP Network

- ❑ MIDAMC meetings will offer a unique opportunity whereby all MID States work together towards a harmonized IP Network implementation across States and Regions, highlighting the need for interregional coordination and systems' interoperability.
- ❑ Regional IP Network is an enabler of several ASBU modules.
- ❑ MID states will use the procurement framework of the available regional network such as APAC Common Regional Virtual Private Network Programme (CRV) or New PENS .

❑ **MPLS services are used to implement regional IP networks such as**

- 1) Common aeRonautical VPN (CRV) for Asia and Pacific (APAC).
- 2) New Pan-European Network Service (New PENS) for EUR/NAT.

Currently, the communication services providers for these networks are PCCW Global (CRV), British Telecom (New PENS) .

## Common aeRonautical Virtual Private Network (CRV)

- ❑ In CNS SG/13/MIDAMC9 meeting, the service provider (PCCWG) responsible for the implementation CRV network shared information about CRV network topology, and service delivery along with a description of each Package available in the CRV contract. PCCWG provided detailed information on the technical solutions proposed for CRV implementation and a price summary for various packages compared to the price quoted in 2018.
- ❑ PCCWG presented a special promotion offer for MID States to join CRV for Package D and Package D+.
- ❑ Renewed opportunities were offered for MID States to join CRV due to reduced costs and enhanced features. States were urged to conduct readiness assessments and consider participation.
- ❑ CRV contract mandates States to join CRV for an initial term of a minimum of 5 years.

## New Pan-European Network Service (NewPENS)

- ❑ Directive 15/88 –dated 21 May 2015 –further enables the use of PENS by any interested Parties from the EUROCONTROL Member States and other States within the ICAO EUR/NAT Region and bordering States.

### Pre-requisites to joining PENS

- ❑ The requesting Party must be in scope of Directive N°15/88 dated 21.5.2015 of the EUROCONTROL Permanent Commission.
- ❑ The ICAO MID Office, with the support of concerned States, may initiate discussions with EUROCONTROL, in order to explore the possibility of joining the NEWPENS project as an alternative solution for establishing a MID IP Network.

## Updating data in EUR AMC

State	Routing Tables	Network Connections	Focal Points Contact Info.	AMHS System Capabilities
Jordan	✓	✓	✓	✓
Iraq	✓	✓	✓	✓
Saudi Arabia	✓	✓	✓	✓
Qatar	✓	✓	✓	✓
Bahrain	✓	✓	✓	✓
Iran	✓	✓	✓	n/a
UAE	✓	✓	✓	✓
Kuwait	x	✓	✓	✓
Oman	x	✓	✓	✓
Lebanon	x	x	x	x
Syria	x	✓	x	n/a
Egypt	✓	✓	x	x
Sudan	x	x	x	x
Libya	x	x	x	n/a
Yemen	x	x	x	n/a

## Updating Routing Directory in EUR AMC

- ❑ The MIDAMC team contacted the COM Centres (*Saudi Arabia, Qatar, Bahrain, UAE, Egypt, Lebanon, Syria, Kuwait, Iran, and Oman*) to update their AFTN/AMHS Routing Tables in the EUR AMC application. Accordingly, only five States (Saudi Arabia , Bahrain, Qatar, UAE, and Iran) provided their Touting Tables .
- ❑ The MIDAMC team couldn't not contact the COM Centres (*Sudan, Libya, and Yemen*) due to the lack of focal points contact information.
- ❑ MID states may update their AFTN/AMHS routing tables if they registered AMC accounts or through MIDAMC team by sending their routing tables.

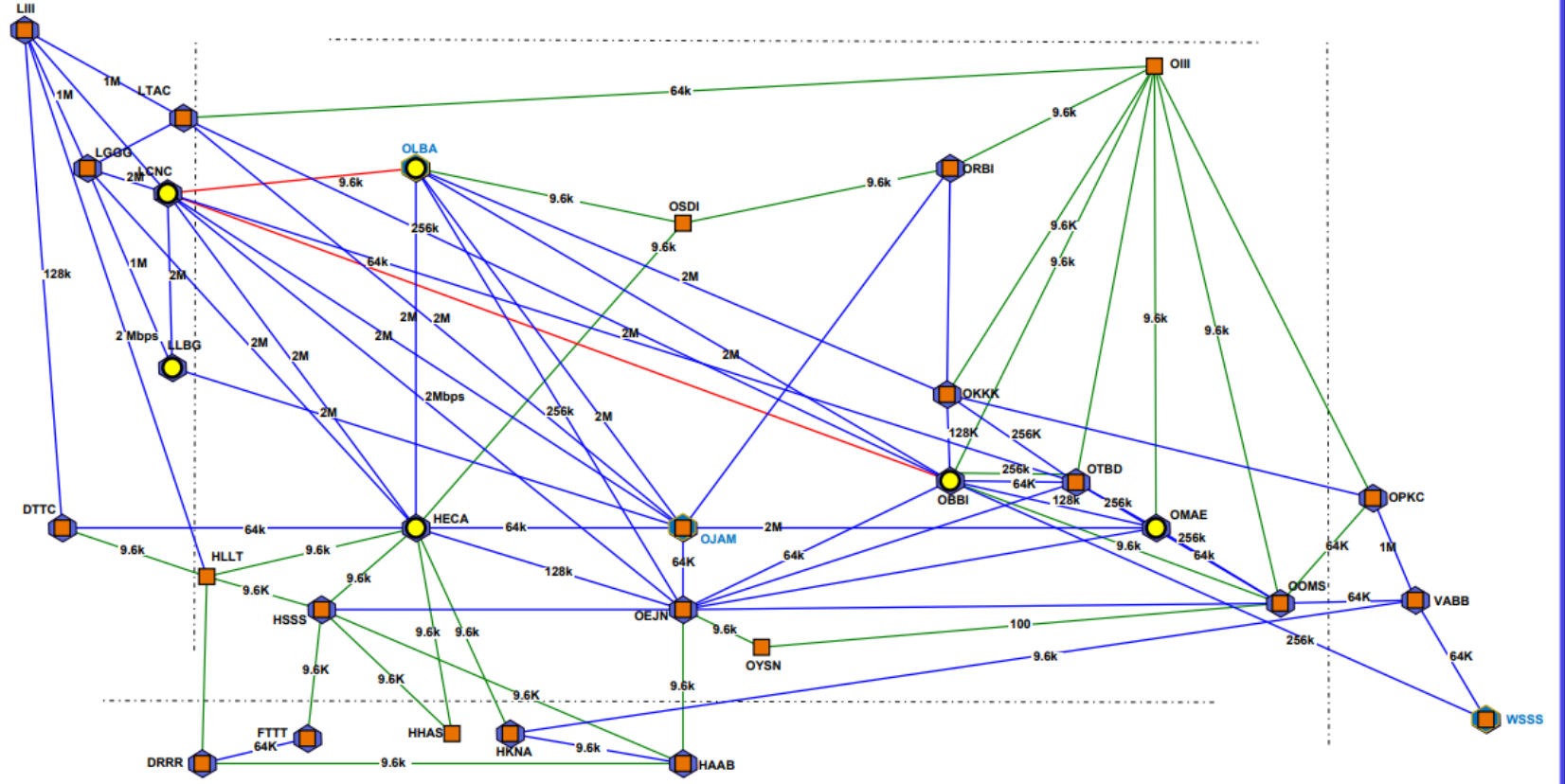
## Updating Connections in EUR AMC

- The status of connections of MID states in AMC are almost up to date due to the low level of implementation of new links and migration of the AFTN links to AMHS.
- MID states may update their connections if they registered AMC accounts, or through MIDAMC team by sending their connection information.

## Updating Focal points in Network Inventory in EUR AMC

- All MID states have updated their Focal Points contact details except (Sudan, Libya, Yemen, Lebanon, and Egypt).

### MID COM Chart (02/10/2025)



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	

## Miscellaneous issues

- ❑ It was noted that some of the AFTN/AMHS routing tables in MID region are inconsistent and need to be optimized and updated regularly .
- ❑ It was also noted that most of MD COM Centres route FH and FJ addresses towards Africa while they should be routed towards Europe since FH and FJ are British territories.
- ❑ Any change of a PRMD value (like ZK => DPRK recently) requires update of all AMHS Routing Tables world-wide.
- ❑ Address Look-Up tables may need to be updated in external systems which have a P3 or P7 interface to the MTA .

## Inconsistencies of AMC data

- ❑ The EUROCONTROL AMC Project Manager has notified all AMC users about been receiving a number of complaints about the inconsistencies between the data held in the AMC and what it is actually implemented on AMHS switches. This is causing addressing and routing problems within the global network.
- ❑ It was recommended to :
  - Update AMHS switch in accordance with the validated AMC data (*AMHS MD Register table*, *AMHS CAAS table*, and *Look-up User Addresses*)

## Roles of MIDAMC team

The MIDAMC provide the following main tasks on daily to support its operations:

- provide AMC tables each AIRAC date;
- check the routing tables for consistency;
- help in activating new AMC users in coordination with Eurocontrol;
- keep the Network Inventory data updated;
- coordinate and communicate with MID states and support AMHS Planning and Implementation when required;
- Coordinate and validate user Addresses with SITA and the EUR AMC .

## Status of IWXXM Implementation

- AMHS Extended Service is a pre-requisite to exchange IWXXM messages.
  
- The implementation of providing a suite of MET products (METAR/SPECI, TAF, SIGMET, AIRMET, TCA, VAA and SWXA) in IWXXM format is a prerequisite to the System Wide Information Management (SWIM) and a requirement during the ASBU-B1 time frame (requirement 5 November 2020).
  
- States to provide update on the status of IWXXM implementation.
  
- It was observed Saudi IWXXM messages are not in line with the profile as in ICAO EUR Doc 020 – EUR AMHS Manual, Appendix. H

## Action by the Meeting:

The meeting is invited to:

- a) note the content of this paper;
- b) contribute by providing any planned actions related to intra-regional & interregional connections;
- c) urge relevant States to migrate AFTN/CIDIN connections to AMHS;
- d) urge states that have not updated AFTN/AMHS routing, Connections, and Focal points in AMC to do so;
- e) update AMHS switch in accordance with the validated AMC data.
- f) urge states to provide update on the status of IWXXM implementation; and
- g) request ICAO MID Office to organize AMHS/AMC Workshop/Training for new AMC users.