



*International Civil Aviation Organization*

**Middle East Air Navigation Planning and  
Implementation Regional Group (MIDANPIRG)**

**Fourteenth Meeting**  
*(Jeddah, Saudi Arabia, 15-19 December 2013)*

**Agenda Item 4: Performance Framework for Regional Air Navigation Planning and  
Implementation:**  
**4.5 CNS**

**STATUS OF MID-AMC**

*(Presented by the Secretariat)*

**SUMMARY**

This paper presents the MID-AMC status and the accreditation procedure for using the MID-AMC and calls for additional testing of the system.

Action by the meeting is at paragraph 3.

**REFERENCES**

- ATN/IPS WG/4 and WG/5 Reports
- CNS SG/5 Report

**1. INTRODUCTION**

1.1 The ATN/IPS WG/4 meeting was held at the ICAOMID Regional Office, Cairo, 21-23 May 2012.

1.2 The Fifth Meeting of the CNS Sub Group (CNS SG/5) was held at ICAO Middle East Regional Office, Cairo, Egypt, 11 – 13 December 2012. The meeting was attended by a total of twenty-seven (27) participants, which included delegates from seven (7) States and one (1) Organization.

1.3 The Fifth Meeting of Aeronautical Telecommunication Network/Internet Protocol Suite Working Group (ATN/IPS WG/5) was held at the ICAO MID Regional Office in Cairo, Egypt, 11-13 March 2013. The meeting was attended by a total of twenty-three (23) participants, which included delegates from six (6) States.

1.4 The Second Meeting of the Directors General of Civil Aviation-Middle East Region (DGCA-MID/2) was hosted by Saudi Arabia, General Authority of Civil Aviation (GACA) from 20-22 May 2013, and was attended by sixty four (64) participants from fifteen (15) States and five (5) Organizations.

## 2. DISCUSSION

2.1 The meeting may wish to note that the CNS SG/5 meeting was apprised of the MID AMC project activities which are divided into two phases which correspond to the goals of the project. The two phases had been successfully completed and the system had been accepted; also trial period has commenced since 12/12/2012 for one year.

2.2 The CNS SG/5 meeting noted also that a Synchronization protocol procedure between the EUR AMC and the MID AMC was concluded. EUROCONTROL would no more accept new users from the MID Region and all Regional users should register on the MID AMC. However, it has been noted that some new MID users had tried to register on the EUR AMC during the trial period but the requests had been refused by EUROCONTROL and forwarded to the MID AMC team.

2.3 The meeting may wish to recall MIDANPIRG/13 Conclusion 13/27:

*CONCLUSION 13/27: MID-ATS MESSAGE MANAGEMENT CENTRE (AMC) PROJECT*

*That,*

- a) Jordan complete the development of the MID-AMC;*
- b) ICAO MID Regional Office communicate with EUROCONTROL to provide the necessary support for the project;*
- c) ATN-IPS WG and CNS SG develop the necessary legal framework for the use of the MID-AMC; and*
- d) States be encouraged to use the MID-AMC on trial basis for one year.*

2.4 Based on the above, Jordan completed the development of the MID-AMC with the support from EUROCONTROL. The CNS SG/5 and ATN/IPS WG/5 developed Memorandum of Agreement (MOA) and agreed on the establishment of a Board (Steering Group) composing from all the MID States to manage the MID-AMC.

2.5 The MOA was signed during DGCA-MID/2. Eleven (11) States (Bahrain, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Sudan, UAE and Yemen) have signed the MOA. The DGCA-MID/2 meeting encouraged States that have not done so, to sign the MOA. In this respect, it's to be highlighted that Iran also signed the MOA.

2.6 The ATN/IPS WG/5 meeting urged States to start using the MID AMC and provide regular feedback to the ICAO MID Office and the MID AMC Project manager, and agreed to the following Draft Conclusion:

*DRAFT CONCLUSION 5/2: MID-AMC OPERATION*

*That,*

- a) all MID States start using MID-AMC as of 12 December 2012 and provide feedback to ICAO MID Regional Office and MID-AMC-Project manager;*
- b) States nominate three MID-AMC users; and*
- c) concerned States sign the MOA as at Appendix 3C to the Report on Agenda Item 3 by 1 March 2013*

The ATN/IPS WG/5 noted that MID-AMC has a lot of functions; accordingly the meeting defined three types of MID-AMC users in order to enable the functions according to each user. The meeting developed User Accreditation Procedure as at **Appendix A** to this working paper and agreed to the following Draft Conclusion:

*DRAFT CONCLUSION 5/2: MID-AMC USER ACCREDITATION PROCEDURE*

*That, States be urged to register users for the MID-AMC according to the accreditation procedure defined at **Appendix A** to this working paper.*

2.7 The meeting may wish to note that forty-one (41) users have registered from eleven (11) States either as CCC Users or Read-only users. **Appendix B** to this working paper illustrates States registrations status. Furthermore, no negative feedback has been received from any user.

2.8 The meeting may wish to note that ATN/IPS WG5 and CNS SG/5 urged States to provide their AFTN/CIDIN/AMHS tables to the MID-AMC. Accordingly, four (4) States (Iran, Jordan, Lebanon and Saudi Arabia) have provided their routing tables.

2.9 Since MID-AMC did not receive all States routing tables, some functions could not be tested. Accordingly, it is proposed to extend the trial phase until 30 June 2014 to test these functions successfully, and request States that have not yet done so, to provide their routing tables. It's to be noted that the First Meeting of the MID-AMC Steering Group would determine the date of operation.

2.10 Based on all forgoing, the meeting is invited to agree to the following Draft Conclusion and Draft Decision:

<b>Why</b>	Smooth operation of MID-AMC
<b>What</b>	State Letter / Routing tables
<b>Who</b>	ICAO/States
<b>When</b>	March 2014

*DRAFT CONCLUSION 14/XX: MID-AMC OPERATION*

*That,*

*a) States be urged to:*

- i. provide their AFTN/AMHS/CIDIN Routing tables to MID-AMC by 30 March 2014;*
- ii. to register users for the MID-AMC according to the accreditation procedure defined at **Appendix A** to this working paper;*
- iii. complete testing of all MID-AMC functions; and*

*b) the operation date of the MID-AMC be determined by the MID-AMC Steering Group.*

***DRAFT DECISION 14/XX: ESTABLISHMENT OF MIDAMC STEERING GROUP***

*That,*

- a) MIDAMC Steering Group is established with TOR as at **Appendix C** to this paper; and*
- b) States appoint member and alternate for the MIDAMC Steering Group.*

2.11 In order to assess the MID-AMC first year of Operation, a survey has been developed by MID-AMC Team in coordination with the ICAO Regional MID Regional Office to measure the deliverables of the project, the survey focus on four main areas:

- a. awareness level about the MID AMC Project Objectives and need;
- b. MID-AMC web application Performance;
- c. new Functions and procedure; and
- d. MID-AMC Team Performance.

2.12 The reply to the survey questions will be analyzed and result will be presented to the first meeting of the MIDAMC Steering Group, in order to take the Go decision related to the operation date and any further actions. The survey is at **Appendix D** to this working paper.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) endorse the Draft Conclusion and Decision in para 2.10; and
- b) agree to extend the trial phase of the MID-AMC until 30 June 2014.

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## APPENDIX A

### Accreditation of Users

- There are tentatively three 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.
  
- 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 who 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:
  - 1) AMC External Operators on European AMC of the MID Region:
    - 1-1 MID-AMC Operator transferred those users to MID-AMC as MID-AMC Users.
    - 1-2 AMC External operator to register online on MID-AMC website at [www.midamc.jo](http://www.midamc.jo).
  - 2) New MID-AMC Users:
    - 2-1 State to send letter (email) to ICAO MID Regional Office to designate a new MID-AMC User.
    - 2-2 New MID-AMC User to register online on MID-AMC website at [www.midamc.jo](http://www.midamc.jo).
    - 2-3 MID-AMC Operator coordinate with ICAO MID Office to approve the request in (2-2).
  - 3) AMC Read-Only Users on European AMC of 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](http://www.midamc.jo).
  - 4) New MID-AMC Read-only User:
    - 4-1 New MID-AMC Read-Only User to register online on MID AMC website at [www.midamc.jo](http://www.midamc.jo).
    - 4-2 MID-AMC Operator coordinate with the MID AMC User of the corresponding COM center (if any) Or with the ICAO MID office to approve the request in (4-1).

5) MID-AMC Operator Selection:

The MID-AMC Operator is responsible for overall operation of the AMC and of associated procedures. Two Operators are selected every year, a main and a backup MID-AMC Operator.

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**APPENDIX B**

MID-AMC Registered users

<b>State</b>	<b>Signed the agreement</b>	<b>CCC User</b>	<b>Read-only User</b>	<b>Provided AFTN/CIDIN/AMHS Routing table</b>
<b>Bahrain</b>	✓	✓		
<b>Egypt</b>		✓	✓	
<b>Iran</b>	✓	✓	✓	✓
<b>Iraq</b>	✓			
<b>Jordan</b>	✓	✓	✓	✓
<b>Kuwait</b>	✓	✓		
<b>Lebanon</b>	✓	✓		✓
<b>Libya</b>				
<b>Oman</b>	✓	✓	✓	
<b>Qatar</b>	✓	✓		
<b>Saudi Arabia</b>	✓	✓	✓	✓
<b>Sudan</b>	✓	✓	✓	
<b>Syria</b>				
<b>UAE</b>	✓	✓	✓	
<b>Yemen</b>	✓			

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## APPENDIX C

### MID-AMC Steering Group

#### 1. TERMS OF REFERENCE (TOR)

##### 1.1 The Terms of Reference of the MID-AMC 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 (MID-AMC);
- 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 MID-AMC
- 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 MID-AMC project and will review/update the MID-AMC work plan whenever required; and
- e) provide regular progress reports to the CNS SG, ANSIG and MIDANPIRG concerning its work programme.

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

- a) Develop a credential procedure for all users on the MID-AMC;
- b) develop and maintain guidance materials for MID-AMC 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) identify the need for any enhancement for the MID-AMC and prepare functional and technical specifications, and define its financial implications;
- g) follow-up on ICAO standards and recommendations on the ATS messaging management;



- h) define future liabilities and new participating States and ANSPs; and
- i) follow-up and review the work of similar groups in other ICAO Regions.

**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 .

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## MID AMC Survey



MIDANPIRG/14-WP/20  
APPENDIX D

The ATS Messaging Management Center in the Middle East (MID AMC) has been running on a trial basis since 12/12/2012, the thirteenth meeting of MIDANPIRG encouraged states to provide a periodic feedback about the MID AMC. Before launching the MID AMC operation the ICAO MID office in collaboration with the MID AMC Team is conducting a survey which includes the following questionnaire.

Please fill the questions precisely to help us make necessary change/ improvement on the MID AMC.

<b>Part (1) : Personal data</b>
- Name:
- Organization:
- Country:
- Years of Experience in the Aeronautical Fixed Services (AFS):
- Job title:
- Your role on MID AMC: <input type="checkbox"/> CCC Operator <input type="checkbox"/> Read-only User
- Do you have AMHS system in place in your country? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, Have you attended any AMHS Training course? <input type="checkbox"/> Yes <input type="checkbox"/> No
- Did you attend the AMC training Course held in the ICAO MID office in 2009? <input type="checkbox"/> Yes <input type="checkbox"/> No - Do you require further training in your State <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Part (2): MID AMC Project</b>
1- Are you aware about the objectives of the ATS Messaging Management Center (AMC)? <input type="checkbox"/> Yes <input type="checkbox"/> No
2- Are you aware about the need to create a Regional AMC (MID AMC)? <input type="checkbox"/> Yes <input type="checkbox"/> No



## MID AMC Survey



3- Are you aware about the MID AMC Project phases? <input type="checkbox"/> Yes <input type="checkbox"/> No
4- How did you hear about the MID AMC? <input type="checkbox"/> ICAO Meeting <input type="checkbox"/> ANSP Management <input type="checkbox"/> From a colleague <input type="checkbox"/> Other, please specify:
5- If you are a CCC user, are you aware about your responsibility? <input type="checkbox"/> Yes <input type="checkbox"/> No
6- How often do you visit the MID AMC? <input type="checkbox"/> Every MID AMC phase <input type="checkbox"/> Every week <input type="checkbox"/> Every AIRAC Cycle <input type="checkbox"/> When I get notification email from the MID AMC operator <input type="checkbox"/> Other, please specify:
7- Are you aware about the role and responsibilities of the MID AMC Team? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Part (3): MID AMC Web Application</b>
1- What is the type of Internet browser do you use when login to the MID AMC? <input type="checkbox"/> Internet Explorer <input type="checkbox"/> Google Chrome <input type="checkbox"/> Other, please specify:
2- Are you aware about the minimum requirement to login to the MID AMC? <input type="checkbox"/> Yes <input type="checkbox"/> No
3- How do you evaluate the MID AMC Design? <input type="checkbox"/> Very good <input type="checkbox"/> Good <input type="checkbox"/> Acceptable <input type="checkbox"/> Bad <input type="checkbox"/> Very bad
4- How do you rate the registration process on the MID AMC? <input type="checkbox"/> Very good <input type="checkbox"/> Good <input type="checkbox"/> Acceptable <input type="checkbox"/> Bad <input type="checkbox"/> Very bad



## MID AMC Survey



5- How do you rate the performance (Response rate) of the MID AMC web application? <input type="checkbox"/> Very good <input type="checkbox"/> Good <input type="checkbox"/> Acceptable <input type="checkbox"/> Bad <input type="checkbox"/> Very bad
<b>Part (4): MID AMC Functions and Procedure</b>
1- Have you found any anomalies during working on the MID AMC? <input type="checkbox"/> Yes <input type="checkbox"/> No
2- Have you found any inaccurate/wrong data on the MID AMC? <input type="checkbox"/> Yes <input type="checkbox"/> No
3- Have you found any inconsistent data in MID AMC Report (s)? <input type="checkbox"/> Yes <input type="checkbox"/> No
4- If your answer is "Yes" in the previous three questions, please answer the following: Have you informed the MID AMC Team about the finding in questions (1 or 2 or 3)? <input type="checkbox"/> Yes <input type="checkbox"/> No, please specify why?
5- Are you aware about the difference between the MID AMC and the European AMC procedures? <input type="checkbox"/> Yes <input type="checkbox"/> No
6- Are you aware about all functions on the MID AMC? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Part (5) MID AMC Team Performance</b>
1- Do you receive notification messages from the MID AMC operator periodically? <input type="checkbox"/> Yes <input type="checkbox"/> No
2- Have you got any misleading information from the MID AMC Team? <input type="checkbox"/> Yes <input type="checkbox"/> No
3- How do you rate the MID AMC team performance <input type="checkbox"/> Very good <input type="checkbox"/> Good



## MID AMC Survey



- Acceptable
- Bad
- Very bad

If you have any suggestion, please mention it here:

***Thank you for filling the form. It shall be of great help***

*Note: Please send the filled form to the ICAO Regional Office and to the MID AMC Team at [midamc@carc.gov.jo](mailto:midamc@carc.gov.jo)*