International Civil Aviation Organization

MID ATS Message Management Center Steering Group

Second Meeting (MIDAMC STG/2)
(Cairo, Egypt, 10- 12 March 2015)

Agenda Item 4:   **Enhancement of the MID AFS Network services**

PLAN TO REPLACE CIDIN IN THE MID REGION

(Presented by the Secretariat)

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SUMMARY

This paper proposes the development of a plan for the removal and or replacement of the CIDIN in the MID Region in order to complete the AMHS implementation by December 2017 in accordance with the MID Air Navigation Strategy.

Action by the meeting is at paragraph 3.

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REFERENCES

- ANSIG/1 Report

- CNS SG/6 Report

- MSG/4 Report

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1.   INTRODUCTION

1.1   The Fourth meeting of the MIDANPIRG Steering Group (MSG/4) was held in Cairo, Egypt, from 24 to 26 November 2014. The meeting was attended by a total of thirty one (31) participants from nine (9) States (Bahrain, Egypt, Iran, Jordan, Kuwait, Oman, Qatar, Saudi Arabia and United Arab Emirates) and two (2) Organizations (IATA and IFALPA).

1.2   The First meeting of the Air Navigation Systems Implementation Group (ANSIG/1) was held in Cairo, Egypt, from 10 – 12 February 2015. The meeting was attended by a total of thirty one (32) participants from seven (7) States (Bahrain, Egypt, Iran, Kuwait, Qatar, Saudi Arabia and United Arab Emirates) and two (2) Organizations (IATA and MIDRMA).

2.   DISCUSSION

2.1   The MSG/4 meeting was apprised with the development related to OPMET exchange and establishment of the Regional OPMET Center (ROC) in Jeddah and Backup center in Bahrain.

2.2   The meeting may wish to note that in 2019 the OPMET will start exchanging data in digital format, which cannot be handled in AFTN and CIDIN; therefore AMHS should be fully implemented in the MID Region.

2.3   The fourth meeting of the MSG agreed that the MIDAMC STG should develop a plan to implement AMHS interconnection between MID and EUR Region, and agreed to conclusion MSG 4/21 "*AMHS ROUTING FROM MID TO EUR REGIONS",* which is discussed in detail in WP/09.

2.4   The meeting may wish to recall that, the ANSIG/1 meeting urged States to expedite their AMHS implementation and discouraged the implementation of AFTN and CIDIN Circuits specially at International level and agreed that the replacement of the AFTN or CIDIN connections between States by AMHS links shall be based on ICAO Standards and Guidance Material (ICAO Doc 9880 and the ICAO EUR DOCs 020 and 021). Accordingly, the meeting agreed to the following Draft Conclusion:

> *DRAFT CONCLUSION 1/9:   AFTN/CIDIN AFS CONNECTIVITY AND AMHS IMPLEMENTATION*
>
> *That State be urged to,*
>
> a) *refrain the establishment of new AFTN and CIDIN connections at the International level;*
> b) *gradually phase out the current connections based on AFTN or CIDIN standards; and*
> c) *expedite their AMHS implementation*

2.5   Based on the above, a simple study shows that Five (5) COM Centers in the MID Region have CIDIN links (Bahrain, Egypt, Lebanon, Saudi, and UAE), and all these States already have AMHS system in place.

2.6   Egypt, Saudi and UAE have operational AMHS, and Bahrain is in the testing phase and expects to put AMHS into operation soon.

2.7   The new capability of those COM centers justifies the need to remove all CIDIN Routes in the MID Region. The new AMHS links can reduce the CIDIN Relay traffic in the network.

2.8   It is foreseen that the transition from CIDIN to AMHS will require a significant amendment in AFTN, CIDIN and AMHS routing tables not only in the State itself but also in adjacent COM centers and others in the network. Therefore, concerned COM Centres and the MIDAMC Operator should identify all dependencies when the CIDIN Relay traffic is taken off a dedicated CIDIN connection in normal routing situations and in all alternate routing cases as well.

2.9   It is recommended that all COM centers start planning to transit intra-regional connection from CIDIN to AMHS as soon as possible. The transition should be phased and coordinated.

2.10   Existence of mixed environment, AFTN/CIDIN/AMHS cannot enable exchange of data in digital format, furthermore as per the MID AN Strategy endorsed by MSG/4 meeting the target for the AMHS implementation is Dec 2017 as indicated in WP/3.

2.11   Based on above, the meeting is invited develop a detailed plan for the removal/replacement of the CIDIN routes by 2016 and complete the AMHS implementation by December 2017.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to note the information in this paper and develop detailed plan as recommended in para 2.11.

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