



International Civil Aviation Organization

MIDANPIRG AIM Sub-Group

Sixth Meeting (AIM SG/6)
(Cairo, Egypt, 21 - 23 January 2020)

AIM SG/6-WP/10
6/01/2020

Agenda Item 4: AIM Planning and Implementation in the MID Region

MIDAD PROJECT

(Presented by the Secretariat)

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| <p style="text-align: center;">SUMMARY</p> <p>This paper presents an update on the MIDAD Project.</p> <p>Action by the meeting is at paragraph 3.</p> |
| <p style="text-align: center;">REFERENCES</p> <ul style="list-style-type: none">- MIDAD TF/4 Report- EAD-MIDAD Workshop SODs- MIDANPIRG/16 & 17 Reports- DGCA-MID/4 & 5 Reports |

1. INTRODUCTION

1.1 The meeting may wish to recall that the Memorandum of Agreement (MOA) reflecting commitment to the MIDAD Project was signed by Bahrain, Iran, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Sudan, UAE and Yemen in May 2013.

1.2 The MIDAD TF/4 meeting agreed that an EAD-MIDAD Workshop be conducted in EUROCONTROL Headquarters, Brussels, Belgium in order to discuss all the details related to the implementation of an EAD-based MIDAD project, and agree on a MIDAD implementation plan.

2. DISCUSSION

2.1 The EAD-MIDAD Workshop was hosted by EUROCONTROL in Brussels, Belgium from 5 to 6 October 2017. The Workshop provided an opportunity to address all the questions/concerns related to MIDAD Project based on the inputs received mainly from Iraq, Saudi Arabia, UAE and the ICAO MID Office.

2.2 The Workshop was also apprised of the EAD experience and the EUROCONTROL proposal for the implementation of MIDAD.

2.3 The Workshop discussed the proposal and agreed on the following way forward:

| Implementation phases | Phase Description | Responsible |
|-----------------------|--|--|
| Phase A | Individual migration of MID States to EAD | MID States |
| Phase B | Set-up of MIDAD Manager | MIDAD States, ICAO MID, EUROCONTROL (as advisor) |
| Phase C | Implementation of MIDAD system and service | MID States |

2.4 The Workshop agreed that Phase A would have the main following advantages:

- a) Cost effectiveness including shared investments and resources
- b) Data Quality and Integrity
- c) Training
- d) Compliance with ICAO requirements and the European regulatory framework, including for an expeditious transition from AIS to AIM
- e) Technical solutions including system upgrades
- f) Interoperability
- g) System and Service security
- h) Back-up and Contingency

2.5 The Workshop developed the following Draft Action Plans for Phase A and Phase B. It was agreed that a detailed action plan for the implementation of Phase B (Set-up of MIDAD Manager) should be developed by the MIDAD Task Force.

PHASE A

| EAD – MIDAD Action No. | Responsible | Action Description | Due date |
|------------------------|----------------------------------|---|--------------------------------------|
| EAD-MIDAD/A-01 | MIDAD States | Provide EUROCONTROL with En-route ATS services (En-route air navigation charges), preferably for the year 2015 (2016 or 2014 would also be accepted). | End of 2017 |
| EAD-MIDAD/A-02 | EUROCONTROL | Finalize individual offers to MIDAD States. | End of January 2018 |
| EAD-MIDAD/A-03 | EUROCONTROL | Inform EAD SSG that MIDAD Task Force Chairman may participate as an observer to the 27 th Meeting of the EAD Service Steering Group in May 2018. | 21-22 November 2017 |
| EAD-MIDAD/A-04 | EUROCONTROL EAD Customer Manager | Participate to MIDAD meeting | Meeting of MIDAD TF/4: February 2018 |
| EAD-MIDAD/A-05 | EUROCONTROL | Evaluate from a legal perspective if a single Data Provider agreement can be made for a single entity regrouping several States. | February 2018 |
| EAD-MIDAD/A-06 | EUROCONTROL | Provide answers to all MIDAD questions provided so far. Include these Questions & Answers in a configured document to be shared between EUROCONTROL, ICAO and MID States. | End of January 2018 |
| EAD-MIDAD/A-07 | MIDAD TF | Develop a detailed way forward based upon the agreed steps forward (please refer to Agenda Item 4 above). | End of 2018 |
| EAD-MIDAD/A-08 | MIDAD/ EUROCONTROL | Plan second EAD – MIDAD workshop in +/- 1 year time – if possible back to back with AIM/SWIM Team meeting. | September 2018 |
| EAD-MIDAD/A-09 | EUROCONTROL | Enquire with CARC Jordan whether it would be possible to host a live EAD system/services demonstration for the benefit of MID States. | February 2018 |
| EAD-MIDAD/A-10 | EURCONTROL | Organize a live demonstration (half day) of the EAD system/services. | TBD |

PHASE B

| EAD – MIDAD Action No. | Responsible | Action Description | Due date |
|---------------------------|-------------|--|----------|
| EAD-MIDAD/B-01 | MID States | Decision to go ahead to Phase B | |
| EAD-MIDAD STEP B-02 | DGCA-MID | Address the following: <ul style="list-style-type: none"> • Set-up the MIDAD programme governance & organizational structure • Create the MIDAD service provision governance • Develop a financing mechanism for the programme & the resulting MIDAD service • Develop the legal framework for the service provision • Capture all customer requirements • Initial risk assessment and mitigations | |

2.6 The meeting may wish to recall that the DGCA-MID/4 meeting was provided with a progress report related to the MIDAD project and agreed on the way forward proposed by the EAD-MIDAD Workshop. The meeting agreed to the following Conclusion:

DGCA-MID/4 CONCLUSION 4/4 – MID REGION AIM DATABASE (MIDAD)

That:

- a) States are encouraged to engage with EUROCONTROL to migrate to the European AIS Database (EAD);*
- b) a detailed action plan for the implementation of Phase B: “Set-up of MIDAD Manager” be developed by the MIDAD Task Force; and*
- c) a progress report be presented to the DGCA-MID/5 meeting.*

2.7 The MIDANPIRG/17 meeting agreed that the development of a detailed action plan for the implementation of the MIDAD Project Phase B (set-up of MIDAD Manager) be initiated when at least 7 States complete their migration to EAD. Accordingly, the meeting agreed to the following MIDANPIRG Conclusion:

MIDANPIRG CONCLUSION 17/1: MID REGION AIM DATABASE (MIDAD)

That:

- a) the status of individual migration by MID States to EAD (MIDAD Project Phase A) be monitored by the AIM Sub-Group; and*
- b) the development of a detailed action plan for the implementation of the MIDAD Project Phase B (set-up of MIDAD Manager) be initiated when at least 7 States complete their migration to EAD.*

2.8 The DGCA-MID/5 meeting recalled that the establishment of Regional/Sub-regional AIM Database (MIDAD) in the MID Region would improve the quality, availability and timeliness of aeronautical information provided to users and pave the way for the transition from AIS to AIM to AIM 2.0 to SWIM. The meeting agreed with MIDANPIRG/17 that the development of a detailed action plan for the implementation of the MIDAD Project Phase B (set-up of MIDAD Manager) be initiated when at least 7 States complete their migration to EAD. The meeting reviewed the status of migration to EAD as reflected in the Table below:

| | Migrated | Planning | Still under consideration | No Plan | Remarks |
|---------------------|-----------------|------------------|----------------------------------|----------------|----------------|
| Bahrain | | | √ | | |
| Egypt | | | | √ | |
| Iran | | | | √ | Sanctions |
| Iraq | | √ (2021) | | | |
| Jordan | √ | | | | |
| Kuwait | | √ | | | |
| Lebanon | | √ | | | |
| Libya | | | | √ | |
| Oman | | √ (late 2020) | | | |
| Qatar | | √ (Q2-2020) | | | |
| Saudi Arabia | | | √ | | |
| Sudan | | | | √ | Sanctions |
| Syria | | | | √ | Sanctions |
| UAE | | √ | | | |
| Yemen | | | | √ | |

2.9 Based on the above, the DGCA-MID/5 meeting encouraged the remaining States to take necessary measures to migrate to EAD.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and provide update on the States' plan and progress for the MIDAD Project Phase A (Migration to EAD); and
- b) encourage States to engage with EUROCONTROL to migrate to EAD.