



International Civil Aviation Organization

MIDANPIRG ATM/AIM/SAR Sub-Group

Thirteenth Meeting (ATM/AIM/SAR SG/13)
(Cairo, Egypt, 30 September – 3 October 2013)

Agenda Item 6: AIM Issues

MID REGION AIS DATABASE (MIDAD)

(Presented by the MIDAD Support Team)

SUMMARY

This paper presents a progress report related to the MIDAD Project, including the outcome of the DGCA-MID/2 meeting and MIDAD STG/2 meeting.

Action by the meeting is at paragraph 3.

REFERENCES

- DGCA-MID/1 Report
- DGCA-MID/2 Report
- MIDAD SG*/1 Report
- MIDAD STG/2 Report
- MIDANPIRG/13 Report

1. INTRODUCTION

1.1 The meeting may wish to recall that taking into consideration the limitations and drawbacks related to the current operational structure and provision of AIS/AIM services in the MID Region, and the experience of adjacent Regions in the implementation of Regional AIS databases, especially the European AIS Database (EAD), the DGCA-MID/1 meeting, through DGCA-MID/1 Conclusion 1/5, agreed that a study/business case be carried out in the MID Region pertaining to the establishment of a MID Region AIS Database (MIDAD).

2. DISCUSSION

2.1 The first phase of the MIDAD Study was successfully completed and achieved the expected goals. It was noted with appreciation that Jordan and Bahrain took the lead in carrying out the MIDAD initial study with the support of appropriate Consultant and in close coordination with ICAO.

2.2 The objective of the MIDAD study, at its first step, was to collect data from States in order to get a realistic and sound picture of the situation in the AIS Offices in the Region in terms of organization, staffing, facilities and infrastructure, workload, automation, transition to AIM, and most

importantly to identify the States' commitment, support and interest in MIDAD and its inclusion in the planning process for the transition to AIM. It was also highlighted that the missions to States were intentionally used by the MIDAD Support Team (MIDAD ST) to explain the MIDAD concept and the different scenarios for the implementation of MIDAD as well as to clarify the different steps of the transition from AIS to AIM and answer States' questions in this respect and generate ownership in the MIDAD project.

2.3 The Report related to the Initial MIDAD Study (First Phase), which is available on the ICAO MID Website, was endorsed by MIDANPIRG/13. Based on the Recommendations contained in the Initial MIDAD Study Report, MIDANPIRG/13 agreed to move ahead with the Project.

2.4 MIDANPIRG/13 acknowledged the challenges associated with the implementation of an important project such as MIDAD. In this respect, it was recognized that the legal, institutional and human resources (training) issues are the most challenging.

2.5 Based on the above, MIDANPIRG/13 agreed that the commitment of States to the MIDAD Project should be officially recorded in a legal document. Accordingly, the meeting agreed to the following Conclusions:

CONCLUSION 13/19: MIDAD PROJECT SECOND PHASE

That, taking into consideration the results of the first phase of the MIDAD Study, States, Users and all concerned stakeholders be invited to provide all necessary support for the achievement of the second phase of the MIDAD Project.

CONCLUSION 13/20: COMMITMENT TO THE MIDAD PROJECT

That, as part of the Second Phase of the MIDAD Project:

- a) a Memorandum of Agreement (MOA) be signed by Bahrain, Iran, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria and Yemen in order to legally reflect their commitment to the MIDAD Project; and*
- b) other States from within and outside the MID Region, interested to participate in the MIDAD Project, be invited to sign the MOA.*

2.6 With regard to the MIDAD legal framework, MIDANPIRG/13 agreed to the following Conclusion:

CONCLUSION 13/21: MIDAD LEGAL FRAMEWORK

That, the following options be considered for the endorsement of the MIDAD legal framework by the DGCA-MID/2 meeting:

- a) a volunteer State/Group of States provides the legal framework by hosting the project; or*
- b) an ICAO TCB Project for the implementation of MIDAD, including the establishment of a MIDAD legal entity or agency (similar to the MIDRMA).*

2.7 As a follow-up action to the MIDANPIRG/13 Conclusion 13/20, the DGCA-MID/2 meeting (Jeddah, Saudi Arabia, 20 - 22 May 2013) noted with satisfaction that Bahrain, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Sudan, UAE and Yemen signed the Memorandum of Agreement (MOA) reflecting their commitment to the MIDAD Project as shown in **Appendix A** to this working paper. The meeting encouraged other States from within and outside the MID Region, interested to participate in the MIDAD Project, to sign the MOA.

2.8 In accordance with the MIDANPIRG/13 Conclusion 13/21 related to the MIDAD legal framework, the DGCA-MID/2 meeting noted with appreciation that Bahrain, Qatar, Saudi Arabia and UAE volunteered to take the lead in carrying out the detailed MIDAD Study (Phase 2). It was highlighted that Phase 2 of the project will be composed of two (2) main steps. During the first step, a Consultant would be hired to develop the Call for Tender for the detailed Study. Accordingly, the meeting agreed to the following Conclusion:

DGCA-MID/2 CONCLUSION 2/7 – PHASE 2 OF THE MIDAD PROJECT

That,

- a) Bahrain, Qatar, Saudi Arabia and UAE take the lead in carrying out the detailed MIDAD Study (Phase 2), in close coordination with the MIDAD Study Group; and*
- b) States provide all necessary support for the achievement of Phase 2 of the Study.*

2.9 The MIDAD STG/2 meeting (Cairo, Egypt, 1 – 3 July 2013) recalled that during its first meeting the Study Group initiated discussion on the following:

- MIDAD Purpose and Scope;
- Technical issues/scenarios for the implementation of MIDAD;
- Operation of MIDAD and maintenance aspects;
- MIDAD Financial Plan/Funding Mechanism;
- Legal and Institutional issues associated with the implementation of MIDAD; and
- project management and Timelines for the development and implementation of MIDAD.

2.10 The MIDAD STG/2 meeting agreed that detailed discussion on the above subjects will be addressed as part of the MIDAD detailed study.

2.11 The meeting re-iterated that MIDAD should be designed in a manner that will ensure the availability of aeronautical information to any authorized ATM user in a globally interoperable and fully digital environment. The interoperability between MIDAD, the National AIS/AIM Systems and other regional/sub-regional AIS databases (EAD, AFI-CAD, etc) was also underlined.

2.12 The meeting emphasized that the outcome of the twelfth Air Navigation Conference (AN-Conf/12) related to AIM and SWIM as well as current and upcoming global developments related to AIM should be taken into considerations when developing the MIDAD detailed study.

2.13 The meeting was provided with two (2) presentations from the Industry (IDS and FREQUENTIS) highlighting their vision and understanding of the scope of the MIDAD project and main milestones.

2.14 The meeting recalled that during the first step of Phase 2, a Consultant would be hired to develop the Call for Tender for the MIDAD detailed study. The meeting agreed that, the MIDAD Project Phase 2 would consist of the following main steps:

- a) Call for Tender to select the Consultant, which will develop the Technical Specifications and Call For Tender related to the MIDAD detailed Study;
- b) selection of the Consultant and Contract negotiation;
- c) development of the Technical Specifications and Call For Tender related to the MIDAD detailed Study;
- d) selection of the Company who will be developing the MIDAD detailed study and Contract negotiation.

2.15 The meeting agreed that the Consultant chosen in step a) would provide necessary support until the end of Phase 2 and accordingly will not be eligible to bid for the development of the detailed study.

2.16 The meeting agreed that the delivery and acceptance of the MIDAD detailed study will mark the end of Phase 2 of the MIDAD Project and the start of phase 3 (implementation, operation, maintenance, etc).

2.17 In line with the DGCA-MID/2 Conclusion 2/7, the meeting agreed that Bahrain will be responsible for the issuance of the Calls for Tender related to the MIDAD Project. It was highlighted that, the MIDAD ST should support Bahrain, Qatar, Saudi Arabia and UAE in the advancement of the project. Accordingly, the meeting agreed that the composition of the MIDAD ST should be reduced to the following members:

- Mrs. Hanan, Qabartai from Jordan;
- Mr. Abbas Niknejad from Iran;
- Mr. Abdullah Al-Adwani from Kuwait;
- Mr. Mohamed Smaoui from the ICAO MID Office;
- Mr. Grant Wilson from IATA; and
- Mr. Werner Kurz, from Jeppesen, Germany

2.18 Based on the above, the meeting agreed to the following Draft Decision:

DRAFT DECISION 2/1: MIDAD SUPPORT TEAM

That, the MIDAD Support Team (MIDAD ST)

a) be composed of:

- *Mrs. Hanan, Qabartai from Jordan;*
- *Mr. Abbas Niknejad from Iran;*
- *Mr. Abdullah Al-Adwani from Kuwait;*
- *Mr. Mohamed Smaoui from the ICAO MID Office;*
- *Mr. Grant Wilson from IATA; and*
- *Mr. Werner Kurz, from Jeppesen, Germany*

- b) *Provide necessary support to Bahrain, Qatar, Saudi Arabia and UAE as well as to the MIDAD Study Group to successfully complete Phase 2 of the MIDAD Project.*

2.19 The meeting also agreed that the Chairperson of the MIDAD Study Group, Mr. Salah Alhumood, Head Aeronautical Information & Airspace, Civil Aviation Affairs, Bahrain, would sign the Contracts with the chosen Consultant/Company, on behalf of the participating States.

2.20 Based on all of the foregoing, the meeting developed the following Action Plan/Timelines related to the MIDAD Project Phase 2:

	Action	Deliverable	Responsible	Timeline
1	Call for Tender preparation to select the Consultant, which will develop the Technical Specifications and Call for Tender related to the MIDAD detailed Study	Call for Tender	Bahrain	15/08/13
2	Tender phase	Closing of the Tender	Bahrain	15/09/13
3	Receipt of the Offers	Offers	Industry	15/10/13
4	Evaluation of the offers and selection of the Consultant	Contract with the selected Consultant	Bahrain, Qatar, Saudi Arabia and UAE with the support of the MIDAD ST	30/11/13
5	Progress report to MIDANPIRG/14	Outcome of MIDANPIRG/14 (Endorsement)	Bahrain, Qatar, Saudi Arabia and UAE with the support of the MIDAD ST and Consultant	19/12/13
6	Contact (Workshops) with potential Companies interested to bid for the development of the MIDAD detailed study	First Draft of technical specifications for the MIDAD detailed study	Bahrain, Qatar, Saudi Arabia and UAE with the support of the chosen Consultant	15/02/14
7	Preparation of the Technical Specifications and Call for Tender related to the MIDAD detailed Study for review by the MIDAD STG/3 meeting	Final Draft of the Technical Specifications	Consultant	15/06/14
8	Review and endorsement of the specifications for the	Call for Tender specifications	MIDAD STG/3	30/06/14

	Action	Deliverable	Responsible	Timeline
	MIDAD detailed study by the MIDAD STG/3 meeting	approved		
9	Tender Phase (opening)	Call for Tender	Bahrain	31/07/14
10	Tender Phase (closing)	Call for Tender	Bahrain	31/08/14
11	Receipt of the Offers	Offers	Industry	31/10/14
12	Evaluation of the offers and selection of the Company which will be awarded the contract related to the MIDAD detailed study	Company selected	Bahrain, Qatar, Saudi Arabia and UAE with the support of the MIDAD ST and Consultant	31/12/14
13	Progress report to the MIDAD STG/4 meeting	Outcome of the MIDAD STG/4 (Endorsement)	Bahrain, Qatar, Saudi Arabia and UAE with the support of the MIDAD ST and Consultant	15/02/15
14	Progress report to the DGCA-MID/3 meeting	DGCA-MID/3 Go-ahead decision and agreement on funding mechanism	Bahrain, Qatar, Saudi Arabia and UAE with the support of the MIDAD ST and Consultant	30/04/15
15	Signature of the Contract with the selected Company	Contract signed	MIDAD STG Chairperson	15/05/15
16	Development of the detailed Study documents/deliverables	TBD	Company	TBD

2.21 In accordance with the Action Plan/Timelines related to the MIDAD Project Phase 2 developed by the MIDAD STG/2 meeting, the Civil Aviation Affairs of Bahrain (BCAA) published the first Call for Tender No. AND/9/P/73 ICAO-MIDAD/2013 on 15 August 2013.

2.22 The Call for Tender consists of the following documents:

- a) Tender Submission Form (1 page);
- b) Methods of Payment (1 page);
- c) Tender Advertisement in Arabic (1 page);
- d) Tender Advertisement in English (1 page); and
- e) Request for Proposal AND/9/P/73 ICAO-MIDAD/2013 (27 pages).

(Cf. <http://www.bahrainaims.com> for full tender documents.)

2.23 It is to be highlighted that:

- the date of closing (for purchasing Tender Doc) was 16 September 2013; and
- the deadline for the submission/receipt of proposals is 23 October 2013 before 1330 Bahrain Time.

2.24 The meeting may wish to note that based on the agreed MIDAD Project Action Plan/Timelines, the MIDAD STG/2 agreed that the MIDAD STG/3 meeting be held in June 2014 and the MIDAD STG/4 meeting be held in February 2015.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) endorse the Draft Decision in para. 2.18;
- c) encourage those States that have not yet signed the MIDAD Project Memorandum of Agreement (MOA) to do so; and
- d) urge States to provide all necessary support to Bahrain, Qatar, Saudi Arabia, UAE and the MIDAD ST for the achievement of Phase 2 of the Study.



MEMORANDUM OF AGREEMENT - MOA

MID REGION AIS DATABASE (MIDAD) PROJECT

Date: 20 May 2013

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**MEMORANDUM OF AGREEMENT
FOR THE DEVELOPMENT OF A MID REGION AIS DATABASE
(MIDAD)**

1. PURPOSE:

- Considering that the implementation of a Regional/Sub-Regional AIS Database 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, in accordance with the ICAO Roadmap from AIS to AIM;
- Considering the limitations and drawbacks related to the current operational structure and provision of AIS/AIM services in the MID Region;
- Considering the experience of adjacent regions in the implementation of Regional AIS databases and the associated benefits;
- Considering the agreement made by the DGCA-MID/1 meeting held in Abu Dhabi, UAE from 22 to 24 March 2011, through DGCA-MID/1 Conclusion 1/5, to carry out a study/business case pertaining to the establishment of a MID Region AIS Database (MIDAD);
- Considering that a MIDAD Study Group (MIDAD STG) has been established by the Middle East Planning and Implementation Regional Group (MIDANPIRG) to monitor the MIDAD Project and address all associated technical, operational, financial, legal and institutional issues;
- Considering the outcome of the initial MIDAD Study (First phase) and the support expressed by the majority of the MID States;
- Considering the outcome of the MIDANPIRG/13 meeting related to the MIDAD Project, which considered that the first phase of the MIDAD Study is completed and has achieved the expected goals; and invited States and all concerned stakeholders to provide necessary support for the achievement of the second phase of the MIDAD Project;
- Considering that through MIDANPIRG/13 Conclusion 13/20, Bahrain, Iran, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria and Yemen confirmed their commitments to the MIDAD Project;
- Considering the agreement of the MIDAD STG, endorsed by MIDANPIRG/13 that:
 - it's necessary to reach first an agreement on the MIDAD legal framework and then the funding of the second phase of the MIDAD project, which will include, inter-alia, the development of the Financial Plan/Model for the whole MIDAD Project phases (set-up, operations, maintenance, etc); and
 - starting from phase 2 of the project (detailed study) and taking into consideration the huge amount of work to be done and Documents to be developed, it's not realistic that this task be achieved on a voluntary basis and accordingly, the outsourcing is necessary, which raises legal, institutional and financial implications; and

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- Considering MIDANPIRG/13 Conclusion 13/21 related to MIDAD Legal framework:

2. AGREEMENT

2.1 The Parties to this agreement, referred to hereunder as Participating States, agreed to the following:

- a. to reflect their commitment to the MIDAD Project, through the signature of this Memorandum;
- b. to provide all necessary support for the achievement of the second phase of the MIDAD Project, based on the agreed legal framework;
- c. other States from within and outside the MID Region, interested to participate in the MIDAD Project, be invited to sign this MOA;
- d. the MIDAD STG monitor the developments of all phases of the MIDAD Project and report progress to MIDANPIRG and its relevant subsidiary bodies; and
- e. a MIDAD Supervisory Management Board composed of Representatives from each Participating State empowered to take decisions should be established to take the strategic decisions related to the MIDAD Project, on behalf of the DGCA's of participating States.

3. LANGUAGE OF CORRESPONDENCE

- a. All correspondences and other information shall be in English;
- b. All correspondence relating to this Agreement, shall be addressed to:

The ICAO Regional Director

ICAO Middle East Regional Office
Egyptian Civil Aviation Complex, Airport Road
P.O Box 85, Airport Post office, Terminal One
11776, Cairo, Egypt

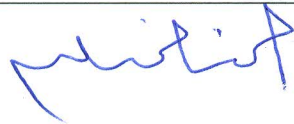




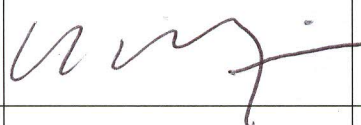


4. AMENDMENT TO THE AGREEMENT

- a. This agreement may be amended by an instrument in writing signed by each of the parties.


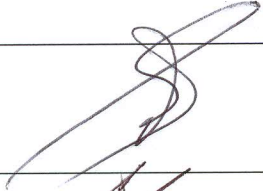

5. ENTRY IN FORCE

- a. This agreement shall come into force on the date it has been signed by the participating States.

6. SIGNATURES

State	Signature	Name/Title	Date
Bahrain		AL UNDER SECRETARY	20/05/2013
Egypt			
Iran			
Iraq		ALI-MUSTAFA	20/05/2013
Jordan		محمد بن القردان	20/05/2013
Kuwait		حوازي عبد العزيز الفرح رئيسة الأمانة العامة	21/5/2013
Lebanon		دايان العيسى	20/5/2013
Libya			
Oman		SALIM AL AULI CEO / PACT	21/5/13
Qatar		Abdulaziz M. AL Noaimi	20/5/2013
Saudi Arabia		مؤيد بن جعفر	20/5/2013

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Sudan		Ahmed Satti Bajouri	20-05-2013
Syria			
UAE		SAIF ALSUWAIDI	20-05-13
Yemen		Hamed Ahmad Farag	20/5/2013

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