INTERNATIONAL CIVIL AVIATION ORGANIZATION

**THE MIDDLE EAST AIR NAVIGATION PLANNING
AND IMPLEMENTATION REGIONAL GROUP
(MIDANPIRG)**

**REPORT OF THE SECOND MEETING OF
MIDAD TASK FORCE (MIDAD TF/2)**

(Cairo, Egypt, 3 – 5 March 2015)

Approved by the Meeting
and published by authority of the Secretary General

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PART I – HISTORY OF THE MEETING

1. PLACE AND DURATION

1.1   The Second Meeting of the MIDANPIRG MIDAD Task Force was successfully held at the Meeting Room of the ICAO Middle East Regional Office in Cairo, Egypt, 3 - 5 March 2015.

2. OPENING

2.1   Mr. Mohamed Smaoui, Deputy Regional Director of the ICAO Middle East Office, welcomed the participants to Cairo and wished them a successful and fruitful meeting. He reiterated that Regional or Sub-regional AIS/AIM databases could be an important enabler for the transition from AIS to AIM and the establishment of the MID Region AIM Database (MIDAD) is considered one of the main challenging projects for the MID Region, which requires collaboration of States.

2.2   Mr. Smaoui recalled that the MIDAD Project was initiated in 2011 when the DGCA-MID/1 meeting agreed that an initial MIDAD Study – Phase 1 be carried out in the MID Region pertaining to the establishment of MIDAD. He further recalled that, the first step of Phase 2 is related to the development of the specifications for the MIDAD Detailed Study by a Consultant (ITV) and accordingly, a call for tender for the MIDAD Detailed Study was published by UAE on 25 November 2014.

2.3   Mr. Smaoui highlighted that, the meeting is expected to discuss and propose option(s) for the MIDAD funding mechanism and legal framework, for review and decision by the DGCA-MID/3 meeting and to review and update the Action Plan/Timelines related to the MIDAD Project Phase 2. Accordingly, he recalled that the MAEP SC/1 meeting (Dubai, 20-22 Jan. 2015) agreed that based on the results of the MIDAD detailed study, the MAEP SC would consider the inclusion of MIDAD (implementation phase) as a project under the framework of MAEP. He further highlighted that a closed meeting with the Four Leading States and the MIDAD Support Team is planned to be held at the second day of the meeting to address some subjects of confidential nature.

2.4   In closing, Mr. Smaoui thanked the participants for their presence and wished the meeting every success in its deliberations.

3. ATTENDANCE

3.1   The meeting was attended by a total of thirty two (32) participants from ten (10) States (Bahrain, Egypt, Iran, Jordan, Kuwait, Oman, Qatar, Saudi Arabia, Sudan and UAE) and three (3) International Organizations/Industries (Eurocontrol, IATA and Jeppesen). The list of participants is at **Attachment A** to the Report.

4. OFFICERS AND SECRETARIAT

4.1   The meeting was chaired by Mr. Abdalla Al Rashidi, Director AIM, GCAA, UAE. Mr. Abbas Niknejad, Regional Officer Aeronautical Information Management/Air Traffic Management (RO/AIM/ATM) was the Secretary of the meeting, supported by Mr. Mohamed Smaoui, Deputy Regional Director (DEPRD).

5. LANGUAGE

5.1   Discussions were conducted in English and documentation was issued in English.

6. **AGENDA**

6.1   The following Agenda was adopted:

Agenda Item 1:   Adoption of the Provisional Agenda

Agenda Item 2:   Follow-up on MIDANPIRG/14 and MSG4 Conclusions and Decisions related to MIDAD

Agenda Item 3:   Progress report on the MIDAD Project

Agenda Item 4:   MIDAD Project Phase 2 - Detailed Study

Agenda Item 5:   Future Work Programme

Agenda Item 6:   Any other Business

7. **CONCLUSIONS AND DECISIONS – DEFINITION**

7.1   All MIDANPIRG Sub-Groups and Task Forces record their actions in the form of Conclusions and Decisions with the following significance:

a)   **Conclusions** deal with the matters which, in accordance with the Group's terms of reference, merit directly the attention of States on which further action will be initiated by ICAO in accordance with established procedures; and

b)   **Decisions** deal with matters of concern only to the MIDANPIRG and its contributory bodies.

8. **LIST OF DRAFT CONCLUSIONS AND DRAFT DECISIONS**

DRAFT DECISION 2/1:   MIDAD SUPPORT TEAM (MIDAD ST)

PART II: REPORT ON AGENDA ITEMS

REPORT ON AGENDA ITEM 1: ADOPTION OF THE PROVISIONAL AGENDA

1.1   The meeting reviewed and adopted the Provisional Agenda as at Para. 6 of the History of the Meeting.

REPORT ON AGENDA ITEM 2:   FOLLOW-UP ON **MIDANPIRG/14** AND **MSG/4** CONCLUSIONS AND DECISIONS RELEVANT TO **MIDAD**

2.1   The meeting noted the status of the MIDANPIRG/14 and MSG/4 Conclusions and Decisions relevant to MIDAD as at **Appendix 2A**.

REPORT ON AGENDA ITEM 3:   PROGRESS REPORT ON THE MIDAD PROJECT

3.1   The meeting recalled that, the DGCA-MID/2 meeting (Jeddah, Saudi Arabia, 20-22 May 2013) agreed that Bahrain, Qatar, Saudi Arabia and UAE take the lead in carrying out the MIDAD Project Phase 2 - Detailed Study.

3.2   The meeting noted that, the MIDANPIRG/14 through Decision 14/20 agreed that the MIDAD Support Team be composed of members from Jordan, Iran, Kuwait and the ICAO MID Regional Office to provide necessary support to the Four Leading States as well as to the MIDAD Task Force to successfully complete Phase 2 of the MIDAD Project. In this respect, Oman and Sudan expressed their interest to be part of the MIDAD ST. Accordingly, the meeting agreed to the following Draft Decision, which is proposed to replace and supersede the MIDANPIRG/14 Decision 14/20:

> *DRAFT DECISION 2/1:   MIDAD SUPPORT TEAM (MIDAD ST)*
>
> *That, the MIDAD Support Team (MIDAD ST)*
>
> a) *be composed of members from Jordan, Iran, Kuwait, Oman, Sudan and the ICAO MID Regional Office; and*
>
> b) *provide necessary support to Bahrain, Qatar, Saudi Arabia and UAE as well as to the MIDAD Task Force to successfully complete Phase 2 of the MIDAD Project.*

3.3   The meeting noted that, in line with the DGCA-MID/2 Conclusion 2/7, the Civil Aviation Affairs of Bahrain (BCAA) published a Call for Tender related to the MIDAD Project Phase 2 (First step) on 15 August 2013. After evaluation of tenders, ITV has been selected as the Consultant and a contract was signed on 10 February 2014 for the development of the specifications for the MIDAD Detailed Study. Bahrain, Qatar, Saudi Arabia and UAE covered the cost of the mentioned contract for the MIDAD Project Phase 2 (First step) on the basis of equal contribution.

3.4   The meeting noted that the draft Specifications for the Detailed Study developed by ITV, were distributed to all MIDAD States on 4 November 2014 for their comments and after considering comments/inputs from the four leading States and the MIDAD Support Team.

3.5   Based on the Specifications of the Detailed Study, developed initially by ITV and finalized taking into consideration the comments/inputs received from the four leading States, the MIDAD Support Team, and the rest of the MIDAD States, a Call for Tender for the development of the MIDAD Detailed Study was issued by UAE on 25 November 2014 (receipt of offers until 1 March 2015).

3.6   The meeting recalled that, for an improved coordination between all Stakeholders related to the MIDAD Project, the MSG/4 meeting recognized the need for designation of MIDAD Focal Points. Accordingly, the MSG/4 meeting agreed to the following MSG Conclusion:

> *MSG CONCLUSION 4/18:   MIDAD FOCAL POINTS*
>
> *That, for an improved coordination between all Stakeholders related to the MIDAD Project, States that have not yet done so, be urged to designate MIDAD Focal Points (FPPs) before 31 December 2014.*

3.7   In connection with the above, the meeting reviewed and updated the list of MIDAD Focal Points as at **Appendix 3A**.

3.8   The meeting noted that the MSG/4 meeting agreed that it is necessary to explore all possibilities of cooperation and exchange of aeronautical information and services between MIDAD, EAD and eventually other Regional AIS/AIM Databases, in order to avoid duplication of efforts.

3.9   The meeting noted with appreciation that the EAD-MIDAD Workshop, hosted by EUROCONTROL, was successfully held at the EAD Operational Centre in Madrid, 3-4 February 2015. The meeting was apprised of the outcome of the Workshop, as at **Appendix 3B**, and thanked Mr. Gaston Liegeois, Deputy Head of EAIM unit, EAD, Eurocontrol for his support and excellent cooperation. The meeting confirmed that the EAD-MIDAD Workshop was very important and useful and the objective of the Workshop to share the EAD experience with MIDAD was fully met. It was highlighted that it is very important to learn from and build on the EAD experience, in establishing formal ways of cooperation with EUROCONTROL. In this respect, the meeting agreed that a Memorandum of Cooperation (MOC) on sharing/exchange of Aeronautical Information/Services between the two Regional databases, should be signed between EUROCONTROL and the ICAO MID Regional Office (on behalf of MIDAD States). The meeting agreed that the above arrangement should be considered in the development of the MIDAD Detailed Study.

REPORT ON AGENDA ITEM 4: **MIDAD PROJECT PHASE 2 - DETAILED STUDY**

4.1 The meeting was apprised of the status of the Tender phase of the MIDAD Detailed Study by UAE. It was noted that the tender has been issued on 25 November 2014 and offers were received by 1 March 2015. The bidders who expressed interest in participating to the tender have been pre-qualified according to the UAE regulations.

4.2 The meeting recalled that, the MSG/4 meeting (Cairo, Egypt, 24-26 November 2014) urged States to provide the ICAO MID Regional Office before 31 December 2014 with their preferred option for the funding of the MIDAD Detailed Study in order to be considered by the MIDAD TF/2 meeting in the selection of the best option(s) to be presented to the DGCA-MID/3 meeting for final decision.

4.3 In this respect, various options on the MIDAD Detailed Study funding mechanism were discussed.

4.4 The meeting recalled that the MSG/4 meeting agreed that, for the funding of the MAEP PMO running cost, the contribution of States should be based on the volume of traffic and the Gross Domestic Product per capita (GDP), to be paid through the ICAO TCB.

4.5 Based on the above, the meeting noted that for the MIDAD Detailed Study funding mechanism, the following should be considered:

a) the MIDAD Project Memorandum of Agreement (MOA) as signed by the MIDAD Participating States;

b) the contribution of States be based on their economic figures; the volume of traffic and the Gross Domestic Product per capita (GDP);

c) proposals received from States (formal proposal, discussions, etc.) and in particular from the GCC States;

d) the method of collection of contributions;

e) the political/security stability of the committed States and their ability to pay contributions;

f) possibility of advance contribution from a number of State with a possibility for recovery;

g) late joining of additional States;

h) possible delays in the payment/collection of contributions;

i) legal/institutional framework;

j) initial thoughts about a cost-recovery mechanism.

4.6   The meeting recalled that, the MSG/4 agreed that the institutional issues related to the MIDAD Entity/Agency be addressed by the MIDAD TF/2 meeting in order for the DGCA-MID/3 meeting to take the final decision related to the best mechanism for the establishment of this Entity/Agency in term of staffing, funding, duties and responsibilities, etc.

4.7   The meeting further noted that the MAEP SC/1 meeting (Dubai, 20-22 Jan. 2015) agreed that based on the results of the MIDAD detailed study, the MAEP SC would consider the inclusion of MIDAD (implementation phase) as a project under the framework of MAEP.

4.8   The meeting recognized the difficulty to agree on a funding mechanism for the MIDAD Detailed Study and agreed that this is linked also to the agreed legal framework (collection of contributions, signature of contract, etc.).

4.9   Based on the inputs received from States, the meeting agreed that the MIDAD Project should be managed as a TCB project. The meeting agreed also that some Timelines of the MIDAD Project were very tight and need to be reviewed and updated. In particular, it was agreed that the final decision on the funding mechanism should not necessarily be taken during the DGCA-MID/3 meeting.

4.10   Based on all of the foregoing, the meeting agreed that the MIDAD Project (Detailed Study and Implementation Phase) should be included as a project under the framework of MAEP, pending final approval by the DGCA-MID/3 meeting. It was highlighted that the final decision on the funding mechanism of the MIDAD Project should be addressed by the MIDAD TF/3 meeting and MAEP SC/Board, taking into consideration the outcome of the DGCA-MID/3 meeting.

4.11   The meeting reviewed and updated the Action Plan/Timelines related to the MIDAD Project Phase 2 as at **Appendix 4A**, taking into consideration the outcome of its discussions.

REPORT ON AGENDA ITEM 5:   **FUTURE WORK PROGRAMME**

5.1   Taking into consideration the progress of the MIDAD Project and the planned ICAO MID Regional events which are of relevance to the activity of the MIDAD Task Force, the meeting agreed the MIDAD TF/3 be tentatively scheduled to be held in Kish Island, Iran, 12-13 September 2015. The meeting recalled that based on the outcome of the MSG/4 meeting, the AIM SG/2 meeting will be held back-to-back with the MIDAD TF/3 meeting, 14-16 September 2015.

5.2   The meeting reviewed the MIDAD TF Terms of Reference (TORs) at **Appendix 5A**, as approved by the MSG/4 meeting and agreed that they are still valid and current.

REPORT ON AGENDA ITEM 6: **ANY OTHER BUSINESS**

6.1   Nothing has been discussed under this agenda item.

APPENDICES

APPENDIX 2A

FOLLOW-UP ACTION PLAN ON MIDANPIRG/14 CONCLUSIONS AND DECISIONS

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
DECISION 14/20: MIDAD SUPPORT TEAM That, the MIDAD Support Team (MIDAD ST) a) be composed of members from Jordan, Iran, Kuwait and the ICAO MID Regional Office; and 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.	MIDAD ST to provide necessary support	MIDANPIRG/14	MIDAD ST composition	Dec.2013	Completed (Superseded by MIDAD TF/2 Draft Decision 2/1)

FOLLOW-UP ACTION PLAN ON MSG/4 CONCLUSIONS AND DECISIONS

CONCLUSIONS AND DECISIONS	FOLLOW-UP	TO BE INITIATED BY	DELIVERABLE	TARGET DATE	REMARKS
MSG CONCLUSION 4/18: MIDAD FOCAL POINTS That, for an improved coordination between all Stakeholders related to the MIDAD Project, States that have not yet done so, be urged to designate MIDAD Focal Points (FPPs) before **31 December 2014.**	Implement the Conclusion	ICAO States	State Letter Feedback	Dec 2014	Actioned AN 8/4.2.1-14/341 dated 24 Dec 2014 Twelve (12) States and Four (4) Organizations have nominated MIDAD FPP
MSG DECISION 4/19: TERMS OF REFERENCE OF THE MIDAD TASK FORCE That, the Terms of Reference of the MIDAD Task Force be updated as at **Appendix 4O.**	Implement the work programme of the MIDAD TF	MSG/4	TOR of the MIDAD TF endorsement	Nov 2014	Completed

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APPENDIX 3A

MID Region AIM Database (MIDAD) Focal Points

	States	Main Focal Point			Alternate Focal Point (Optional)		
		Name	**Title**	**Email/Tel/Mobile**	**Name**	**Title**	**Email/Tel/Mobile**
1	**Bahrain**	Mohammed Ahmed Alhallagh	Acting Head AIM Operation	alhallagh@caa.gov.bh T: + 973 17329037 M: +973 39684688	Mohamed Yusuf Bumtaia	Head Airspace Planning	mbumtai@caa.gov.bh T: +973 17 321179 M: +973 37735556
2	**Egypt**	Abdelsattar Abo Elhassan Adawy	Head of AIS sector	Abdelsatar.aboelhass@nansceg.net T: (02) 22678885 M: 0100 5484984 - 01142686199			
3	**Iran**	Ali Azami	Expert of AIS	aliazamy@yahoo.com T: 00982166025108 M :+98-9122655694	Mohammad Esmaeil Movahedifar	Expert of AIS	movahedifar48@yahoo.com T: 00982166025108 M: +98-9126953881
4	**Iraq**	Ali Waleed Abdulameer	AIS Manager	ais_hq@iraqcaa.com T: 00964 813 (1) 2122 M: 00964 780 748 8484			
5	**Jordan**	Hanan A. Qabartai	Chief AIS HQ	ais.hq@carc.gov.jo T: +962648972681 M: +962796768012			
6	**Kuwait**	Salah Almushity	AIS Officer	sh.almushity@dgca.gov.kw Tel : Mobil:			
7	**Lebanon**	Ali Jammoul	Chief of AIS	jammoul@beirutairport.gov.lb T: + 961 1 629067 M: + 961 76 434154			
8	**Libya**						
9	**Oman**	Jaffer A.amir Salman		Jaffer.caa.gov.om +96899316040			
10	**Qatar**	Faisal Alqahtani	Head of AIS	Faisal.alqahtani@caa.gov.qa T: + 974 44656221			
11	**Saudi Arabia**	Ghorman	Director of	galshehri@gaca.gov.sa			

		Al-Shehri	AIS	T: +96626290564			
12	**Sudan**	Hayder Mohammed Abdalla	AIM Director	aishyder@gmail.com T: +249 123499246 M: +249912268269			
13	**Syria**						
14	**UAE**	Abdalla Al Rashidi	Director AIM	akaabi@szc.gcaa.ae T: +97125996891 M: +971506119865			
15	**Yemen**						

	Organizations	**Main Focal Point**			**Alternate Focal Point**		
		Name	**Title**	**Email/Tel/Mobile**	**Name**	**Title**	**Email/Tel/Mobile**
1	**AACO**	Rashad KARAKY	Senior Manager - Economics & Technical Management	ETM@aaco.org Tel: +961 1 861 297/8/9			
2	**Eurocontrol**	Gaston LIEGEOIS	Deputy Head of European AIM (EAIM)	gaston.liegeois@eurocontrol.int T: +32 2 729 3083 M: +32 478 241419			
3	**IATA**	Rose AL OSTA	Manager, Safety & Flight Operations	alostar@iata.org T: + 96 265804200 Ext 1405 M: +96 2796668978			
4	**Jeppesen**	Volker MEYER	Manager International Relations	volker.meyer@jeppesen.com T: +49 6102 50 7240 M: +49 173 88 15 820			

Workshop Minutes

EAD MIDAD Workshop
Sharing EAD Experiences
NMD/NS/EAIM/5396

3 - 4 February 2015
Madrid- Torrejón, Spain
EAD Operational Centre

Participants

Bahrain	Civil Aviation Authority	Mohamed Nabeel
		Fatema Ali Mohamed
Islamic Republic of Iran	Iranian Airports Company	Javad Pashaei
		Ali Azami
Jordan	Civil Aviation Regulatory Commission	Hanan Qabartai
Qatar	Civil Aviation Authority	Ahmed Al-Eshaq
		Faisal Alqahtani
		Bernard Lucat
Saudi Arabia	General Authority of Civil Aviation	Ghorman A. Al Shehri
		Faisal Alzahrani
Sudan	Civil Aviation Authority	Hayder Mohamed Abdalla
United Arab Emirates	General Civil Aviation Authority	Abdalla Al Rashidi
		Razvan Guleac
ICAO	MID Regional Office (Cairo - Egypt)	Abbas Niknejad *(Facilitator)*
EUROCONTROL	NMD/NS/EAIM (HQ Brussels - Belgium)	Gaston Liegeois *(Facilitator)*
		Rebeca Hernandez Montero
		Boris Kummer (day 1)
	EAD Data Operations Service Provider (Madrid – Spain)	Oscar Centeno*(during DOP presentations and EAD ops room visits)*
		Ops manager +staff on duty*(during EAD ops room visits)*

Item No	Agenda item
1.00	**Setting the scene**
	Welcome and agenda
	Related presentation: IT01-00-Welcome
	The workshop was attended by a total of thirteen (13) participants from seven (7) States (Bahrain, Islamic Republic of Iran, Jordan, Qatar, Saudi Arabia, Sudan, and United Arab Emirates), and representatives from two International Organizations (ICAO MID Regional Office and EUROCONTROL) including the EAD Data Operations Service Provider (GroupEAD) who have organised and coordinated the preparation and realization of the workshop.
	The facilitator board composed of Mr. Abbas Niknejad (Regional Officer AIM/ATM at ICAO MID Office), and Mr. Gaston Liegeois (Deputy Head of EAIM Unit at EUROCONTROL) welcomed the participants and whished them a successful and fruitful workshop.
	Mr. Niknejad expressed, on behalf of Mr. Khonji, the ICAO MID Regional Director and Mr. Smaoui, the Deputy Regional Director, his gratitude and deep thanks to EUROCONTROL for the efforts to arrange and host this workshop, and also to all MID States for the effort made to attend and support the workshop.
	He reiterated that the successful transition from AIS to AIM is a collective goal, and that there is continuous growing of recognition and awareness that aeronautical information will be a critical component of the future ATM system. Aviation is a global activity and the key to globalization is interoperability. Middle East States need to work with all stakeholders to develop standards and systems to ensure global exchange of aeronautical information.
	The MID Region AIM Database (MIDAD) could be an important enabler for the transition from AIS to AIM, and in this respect, the establishment of MIDAD is considered as one of the main challenging projects for the MID Region.
	The EAD-MIDAD Workshop is giving us opportunity to learn from an adjacent region having gained more than 10 years of experiences with the European AIS Database (EAD) in order to efficiently deal with challenges of the MIDAD.
	The agenda was presented and adopted by the participants.

Item No	Agenda item

1.01	***EAD Overview and Background:***
	
	Related presentation: IT01-01-EAD Overview
	
	G, Liegeois presented and overview of the EAD system/services by describing the following items:
	
	• Main objectives and benefits of the EAD system/service
	• Overview of the concept and principles
	    o AIS process with EAD
	    o Data Provider (DP)/User (DU) functions
	    o EAD interfaces
	    o Operational areas, data content and usage
	• EAD service provision organisation
	• DP / DU Client migration overview
	
	The following suggestions/questions were raised:
	
	• H. Qabartai suggested EUROCONTROL to not make distinction between ECAC and non-ECAC states migrated to EAD, showing a more global perspective.
	• H. Qabartai also expressed that Middle East States do not use IFPS for flight plan management and asked EUROCONTROL how it should be taken into consideration in the future. EUROCONTROL has proposed to investigate with NM IFPS experts in order to get some advice for MIDAD.
	• A. Al Rashidi asked how was decided which static data should be in the EAD, and from where MIDAD should start. EUROCONTROL replied that EAD data content has been extracted from the ICAO Annex 15 that is describing mainly the data part of an AIP. This was in 2000, but today, due to the continuous evolution and enlarged scope, we need to accommodate more information.
	
	• B. Lucat indicated that he understood that EUROCONTROL through its Provisional Council (Member States delegations) is responsible to provide the EAD service, but what are the rules for non-EUROCONTROL member States. In addition through the European Commission, more and more implementing rules have to be followed by the European States.
	EUROCONTROL indicated that in the EAD decision approved by the Provisional Council about the provision of the EAD service, it is indicated that EUROCONTROL can conclude agreement with national administrations and/or Air Navigation Service Providers of the EUROCONTROL member States as well as other providers of aeronautical information and users.
	Niknejad said that for the Middle East, it would be beneficial to have a regulatory body similar to EC/ EASA/ EUROCONTROL for Europe; as that would set the legal framework.
	EUROCONTROL gave some examples on how other regions were working with EAD without the legal framework existing in Europe.

Item No	Agenda item

1.02	**_MIDAD Project Status_**
	
	Related presentation: IT01-02-MIDAD Project Status
	
	A Niknejad presented the actual status of the MIDAD project by reminding to the participants the different major decisions and phases that took place including activities for the next coming months.
	
	• DGCA-MID/1 meeting (Abu Dhabi, UAE, 22 - 24 March 2011)
	
	• MIDAD Initial Study – Phase 1, having as objectives:
	    o To collect data from States in order to get a realistic and sound picture of the situation in the AIS Offices in the Region
	    o To identify the States' commitment, support and interest in MIDAD and its inclusion in the planning process for the transition to AIM.
	
	• Signature in May 2014 of a Memorandum of Agreement (MoA) reflecting the commitment to the MIDAD Project by Bahrain, Iran, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Sudan, UAE and Yemen.
	
	• MIDAD Detailed Study – Phase 2 having as objective to develop technical specifications about concept of operations, institutional/legal issues, implementation plan, etc., in order to select a company, via a call for tender, to prepare the full set of documents according to the detailed study, required to launch a call for tender to implement MIDAD.
	
	A Niknejad indicated that current challenges are Legal issues, funding and possible revenue generation models, unstable situation in some States and that 3 States (Egypt, Libya and Syria) have not yet signed the MoA.
	
	Finally, A. Niknejad has indicated that ICAO MID office will support the next MIDAD TF/2 meeting that will take place at Cairo, Egypt, 3-5 March 2015.
	
	Al Rashidi indicated that one very important and complex aspect of MIDAD is the size of the project. It will need a clear and proper organization set-up at all level (legal, technical, etc.). For Europe it is different because there is EUROCONTROL, but for MIDAD, the implementation part has to be clarified, and more specially the legal framework, data liability, governance, funding, etc.

# 2	**EAD Management: Legal - Financial framework** 	
	
	Related presentation: IT02-01-EAD Management
	
	G. Liegeois presented the legal framework applied to EAD, and the associated financial model:
	
	• Legal framework and contractual relationship
	    o Service outsourcing and Service level Specifications
	    o Client agreement and data ownership
	
	• EAD Financial model
	    o Licensing and user fees
	    o Service and royalty charging concept

Item No	Agenda item
	To the question is there a possibility to join the EAD system/service if you are not member of EUROCONTROL, raised by H. Mohamed Abdalla, EUROCONTROL replied positively. For Non-member States, an EAD service charge is calculated as if the State joining the EAD would be member of EUROCONTROL, and this service charge contribution is going back to the EUROCONTROL budget and therefore reduces the overall member State contribution to the EUROCONTROL budget. To the question raised by J. Pashaei asking what were the reasons that EAD is a non-profit based service, it was replied that EUROCONTROL is an international governmental organization.
# 3	**IT Service Provision - SW Maintenance and evolution** *Related presentation: IT03-01-ITP* B. Kummer presented an overview of the IT Infrastructure in place with the associated management process, and the overview of management of the EAD software maintenance and evolution: • ITP service o EAD Technical solution, and overall architecture: o IT service management & monitoring o SLS, Monitoring and reporting • EAD Maintenance and evolution o EAD Products and tools o Sub-system and Maintenance concept o Evolution – Change and Release Management Open discussion took place in order to clarify the different points as difference between safety, security, service desk activities, impact of certification on the software development method used in EAD, etc. EUROCONTROL indicated that management of software release for EAD is requiring more and more resources in order to comply with all requirements and especially now with the European Commission AIS Data Quality Implementing Rule (ADQ IR). F. Alzahrani raised the question about the number of persons working for EAD, and EUROCONTROL indicated that approximately 100 persons are involved in the provision of the IT service and software maintenance, and 50 persons to the data operation service. From EUROCONTROL, $\pm$ 10 persons are managing the oversight of EAD
# 4	**Data Operation Service Provision** *Related presentation: IT04-01-Description of EAD OPS* O. Centeno presented an overview of the Data Operation Service encompassing: • Description of EAD Operations (SDO, INO and PAMS) o Data operations by Providers and Users o Data operations by Data Operations Provider • Other services: Service desk and training • DOP service management, monitoring and reporting After the presentation, a visit to the EAD operations room took place in order to have a first contact with the operational staff, and discover the different services that have been described during the presentation.

Item No	Agenda item
# 5	**Setting the scene – Day 2** The facilitator board welcomed the participants for the second day of the workshop, and presented the agenda of the day.
# 6	**EAD Oversight** *Related presentation: IT06-01-EAD Oversight* G, Liegeois presented the history of EAD starting from the decision of the EUROCONTROL Provisional Council to start the development and implementation of the EAD system and service based on an outsourcing model up to now. He also introduced the future of EAD that should be gradually merged with additional data and services related to Network Management under the banner of the European ATM information Management service (EAIMS) project. The principle of the EAD Oversight Management by EUROCONTROL was presented knowing that EUROCONTROL is ultimately responsible for the successful and effective provision of the service. The major tasks of the team ensuring the oversight of the EAD were described: • Monitor the provision of the EAD service against contractual SLS KPIs; • Carry out regular efficiency measurements and benchmark analyses; • Guarantee the continuity of the EAD service, • Prepare and manage the re-tendering of the provision of the service • Ensure that the EAD meets the needs of its stakeholders; • Keep up with state-of-the-art technologies, new regulations (e.g. ADQ IR), and international standards and agreements. • Support the migration of clients to the EAD; • Manage the dialogue with all involved stakeholders. Finally, a list of current major challenges related to service outsourcing and quality of provided services were discussed as the evolution to CS5-EAIMS, the certification of EAD service, complete data migration of European States, and user relation.

Item No	Agenda item
# 7	**Data Operations – Static Data (SDO) and AIP Library (PAMS)** *Related presentations: IT07-01-SDO and IT07-01-PAMS* O. Centeno presented an overview of the Data Operation Service related to Static Data (SDO), and AIP library (PAMS) maintenance. The objective of the SDO service is to provide a database of validated, up-to-date, consistent and harmonised static data for clients that can further use this "data *backbone" for other sub-systems* like AIP production, chart production, NOAM validation, or any other ATM services requesting such data. The major activities related to the SDO service are to: • Coordinate the data provider SDO maintenance activities • Maintain world-wide static data • Coordinate static data download/upload • Monitoring static data consistency review and completeness For the PAMS service, the objective is to make available a library of published English version of AIPs, AIP Amendments, AIP Supplements and AICs in digital format for the complete ECAC area. The major activities related to the PAMS service are to: • Ensure that the AIP library is updated with the last available Publications for ECAC States which are not yet migrated (knowing that once migrated to EAD, data providers are the responsible body to keep their publications up to date in EAD) • Continuously monitor the timely reception of the publications. • Monitoring AIP library consistency review and completeness For both services, O. Centeno explained by some examples the Service Level Specifications (SLS) and associated Key Performance Indicators (KPI) in place allowing EUROCONTROL to monitor the quality of the service provided by the Data Operation Service Provider.
# 8	**Data Operations – Demo in EAD Ops Room** In coordination with the EAD operation manager, a visit to the EAD operations room took place in order to demonstrate by real example the SDO and PAMS services. Fruitful open discussions took place between the participants and the EAD staff.

Item No	Agenda item
# 9	**Data Operations – Dynamic Data and Briefing Facility (INO – BF)** *Related presentation: IT09-01-INO* O. Centeno presented another major activities part of the Data Operation Service related to International NOTAM Operations (INO). The objective of the INO service is to facilitate the exchange between States of the different types of TAM messages like NOTAM, SNOWTAM, ASHTAM, etc. The INO service shall operate as a 'NOTAM processing Unit' and shall process all TAM in accordance with the OPADD guidelines. The major activities related to the INO service are to: • Ensure that all worldwide TAM messages received via the AFTN channel are validated, coherent, in the recommended format, and that syntax and structure of messages are compliant to ICAO Annex 15 and OPADD, before storage in EAD, and further distribution. • Monitoring TAM data consistency review and completeness O. Centeno explained by some examples the Service Level Specifications (SLS) and associated Key Performance Indicators (KPI) in place allowing EUROCONTROL to monitor the quality of the service provided by the Data Operation Service Provider.
# 10	**Data Operations – Demo in EAD Ops Room** In coordination with the EAD operation manager, a visit to the EAD operations room took place in order to demonstrate by real example the INO service. Fruitful open discussions took place between the participants and the EAD staff.
# 11	**Mutual benefits and cooperation** Open discussion took place. G. Liegeois suggested to analyse how EAD and MIDAD could work more closely, and already started data exchange, improve data quality, and local AIS/AIM services. He also indicated that this should take place before the end of MIDAD implementation that will probably not be in operation before minimum 3 years. He suggested to analyse the feasibility to already start the transition to the MIDAD system/service by having a first step with EAD where it will be possible to prepare the data at the level of completeness, quality, exchange format, etc. Once MIDAD will become ready, the population of MIDAD will be facilitated by making it from EAD, and MIDAD states will simply transfer their system connection to MIDAD in order to continue to data maintenance in MIDAD. Data synchronisation mechanism between the 2 systems will be realised by automatic backend processes implemented in MIDAD and EAD.
	Close-out A round table took place in order to clarify last questions and receive participant feedback from the workshop in general (organization, presentation, etc.), At unanimity, participants indicated that this workshop was greatly appreciated, to the point in order to measure the work made by EAD to deliver such service, and that is now in front of the MIDAD project. All presentations, related discussions in the workshop and in the ops room were very useful in the context of the future work that will take place during 2015 related to MIDAD project. Mr. Niknejad thanked again EUROCONTROL and its Data Operation Service provider, and reminded the participants to register to the next MIDAD TF/2 meeting that will take place at Cairo, Egypt, 3-5 March 2015.

APPENDIX 4A

Action Plan/Timelines related to the MIDAD Project Phase 2

	Action	Deliverable	Responsible	Timeline	Status
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	Completed
2	Tender phase	Closing of the Tender	Bahrain	15/09/13	Completed
3	Receipt of the Offers	Offers	Industry	23/10/13	Completed
4	Evaluation of the offers and selection of the Consultant	Consultant selected	Four Leading States with the support of the MIDAD ST	31/01/14	Completed
5	Progress report to MIDANPIRG/14	Outcome of MIDANPIRG/14	Four Leading States with the support of the MIDAD ST	19/12/13	Completed
6	Contract negotiation with the selected Consultant	Contract with the selected Consultant	Four Leading States with the support of the MIDAD ST	07/02/14	Completed
7	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	Four Leading States with the support of the chosen Consultant	15/03/14	Completed
8	Preparation of the Draft Specifications for the MIDAD Detailed Study, for review by the MIDAD TF/1	Draft Specifications for the Detailed Study	ITV, Four Leading States and MIDAD ST	15/06/14	Completed
9	Preparation of the revised Draft-1 Specifications for the MIDAD Detailed Study, taking into consideration comments/inputs of MIDAD TF/1	Revised Draft-1 Specifications for the Detailed Study	ITV	31/07/14	Completed
10	Review and comments by Four Leading States and the MIDAD ST on the	Comments/Inputs	Four Leading States with the support of the	15/09/14	Completed

	Action	Deliverable	Responsible	Timeline	Status
	Revised Draft-1 Specifications for the Detailed Study		MIDAD ST		
11	Preparation of the revised Draft-2 Specifications for the MIDAD Detailed Study, taking into consideration comments/inputs of Four Leading States and MIDAD ST	Revised Draft-2 Specifications for the Detailed Study	ITV	30/09/14	Completed
12	Review and comments by All States of the Revised Draft-2 Specifications for the Detailed Study	Comments/Inputs	All States	15/10/14	Completed
13	Preparation of Final Specifications and Tender Documentation for the MIDAD Detailed Study	Final Specifications and Tender Documentation	ITV	30/10/14	Completed (04/11/14)
14	Tender Phase (opening)	Call for Tender	UAE	01/11/14	Completed (25/11/14)
15	Tender Phase (closing)	Call for Tender	UAE	30/11/14	Completed (16/01/15)
16	Receipt of the Offers	Offers	Industry	15/02/15	Completed (01/03/15)
17	Agree on proposal(s) on the Legal Framework of the MIDAD Project (to be presented to DGCA-MID/3)	Proposal(s) on the Legal Framework of the MIDAD Project	MIDAD TF/2	05/03/15	Completed
18	Detailed Study cost range	Detailed Study cost range	UAE	15/03/15	Completed
19	Progress report to the DGCA-MID/3 meeting	DGCA-MID/3 endorsement of the proposed MIDAD Legal Framework	MIDAD TF Chairman/ ICAO	April 2015 (DGCA-MID/3)	
20	Coordination meeting between ITV and Four Leading States to present initial Evaluation of the offers	Evaluation/Analysis report	ITV and Four Leading States	May 2015 (UAE)	

	Action	Deliverable	Responsible	Timeline	Status
21	Report progress to the MIDANPIRG/15 meeting	Progress report	MIDAD TF Chairman/ ICAO	10/06/15	
22	Interviews with the companies	Clarifications	ITV and Four Leading States	15/06/15	
23	Initial Evaluation of the offers by Four Leading States and MIDAD ST and proposal for the selected company	Evaluation/Analysis report and proposal of the selected company	Four Leading States with the support of the MIDAD ST	31/08/15	
24	Final Evaluation and Decision regarding the awarded company	Final Evaluation and Decision regarding the awarded company	MIDAD TF/3	15/09/15	
25	Recommend to the MAEP SC/Board the preferred funding mechanism for Detailed Study	Proposal(s) of the funding mechanism	MIDAD TF Chairman/ ICAO	22/10/15 (MAEP Board/2)	
26	Signature of a MOC between EUROCONTROL and ICAO MID (on behalf of MIDAD States)	MOC signed	EUROCONTROL with the ICAO MID Office (on behalf of MIDAD States)	25/12/15	
27	Letter of Intent to the awarded company (before the deadline of the validity of Tenders (300 Days))	Letter of Intent	UAE	25/12/15	
28	Contract negotiation and signature process	Contract signed	MAEP Board Chairperson	Q1-2016	
29	Development of the Detailed Study (deliverables)	Detailed Study (deliverables)	Awarded Company	Q1-2017 (TBC)	
30	Analysis of the Detailed Study to select the best scenario/options for implementation (Phase 3)	Best Scenario/options for implementation (Phase 3) agreed upon	MIDAD TF	Q2-2017	
31	Report progress to the MAEP SC/Board	Progress report	MIDAD TF Chairman/ MAEP PMO	Q2-2017	

APPENDIX 5A

MID REGION AIM DATABASE TASK FORCE (MIDAD TF)

1. **TERMS OF REFERENCE**

The terms of Reference of the MIDAD TF are to:

a) take responsibility for overall leadership, supervision, direction, and management of the MIDAD project;

b) carry out necessary coordination with States for the establishment of the MID Region AIM Database (MIDAD);

c) address all technical, operational, financial, legal and institutional issues related to MIDAD;

d) agree on the mechanism(s) for the oversight of MIDAD;

e) monitor the developments of the MIDAD Project; and

f) provide regular progress reports to the AIM SG, ANSIG and MIDANPIRG, as appropriate, concerning its work programme.

2. **COMPOSITION**

The MIDAD TF is composed of:

a) all MIDAD member States;

b) other MID States which are not member of MIDAD and concerned International/Regional Organizations, as observers; and

c) representatives from industry and user Organizations having a vested interest in Aeronautical Information Management and experience in the development of Regional AIS/AIM Databases could participate as observers, as necessary.

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