



International Civil Aviation Organization

MIDANPIRG AIM Sub-Group

Second Meeting (AIM SG/2)

(Kish Island, Iran, 31 August-2 September 2015)

Agenda Item 4: Performance Framework for AIM implementation in the MID Region

NATIONAL PLANS/ROADMAPS FOR THE TRANSITION FROM AIS TO AIM

(Presented by the Secretariat)

SUMMARY

The aim of this paper is to review the status of development/update of national plans/roadmaps for the transition from AIS to AIM.

Action by the meeting is at paragraph 3.

REFERENCES

- AIM SG/1 Report
- MIDANPIRG/15 Report
- MSG/4 Report
- SL Ref.: ME 3/1-15/034 dated 1 February 2015

1. INTRODUCTION

1.1 In order to keep pace with the AIM/SWIM developments, MIDANPIRG/14 through Conclusion 14/19 urged States to develop/update their National Plans for the transition from AIS to AIM with a view to support seamless ATM in a SWIM environment.

2. DISCUSSION

2.1 The meeting may wish to recall that, the AIM SG/1 reviewed the survey which was carried out by the ICAO MID Regional Office in April 2014, to identify difficulties faced by States for the development/update of their AIS National Plans; and highlighted the following:

- the development of a National AIM Plan/Roadmap is an important pre-requisite for a successful transition from AIS to AIM;
- the lack of qualified AIM staff is the main reason for the delay in the development/update of the National AIM Plan in many States; and the timely implementation of AIM. In this respect, the need for training is underlined;

- many States confirmed the need for support/assistance for the development/update of their National AIM Plans/Roadmaps and for the implementation of AIM, inter-alia, through seminars, workshops, missions to States, exchange of experience and sharing of expertise, etc.

2.2 The meeting may wish to note that, the AIM SG/1 meeting, as a follow-up to the MIDANPIRG Conclusion 14/19, discussed ways and means to assist States in developing/updating their AIM Implementation Roadmap/National Plan and how to foster the transition from AIS to AIM in the MID Region and accordingly developed the National AIM Implementation Roadmap Template at **Appendix A**.

2.3 The meeting may wish to recall that, the MSG/4 meeting (Cairo, Egypt, 24-26 November 2014) agreed that the focus should be on the implementation of phase II of the Roadmap for the transition from AIS to AIM and endorsed the “*MID Region AIM implementation Roadmap*” at **Appendix B**. Accordingly, the meeting agreed to the following MSG Conclusion:

*MSG CONCLUSION 4/17: NATIONAL AIM IMPLEMENTATION ROADMAP
TEMPLATE*

That, States:

- a) be invited to take into consideration the “MID Region AIM implementation Roadmap” at Appendix 4L in planning for the transition from AIS to AIM in a prioritized manner; and*
- b) that have not yet done so, be urged to provide the ICAO MID Regional Office with their National AIM Implementation Roadmap using the Template at Appendix 4K, before 1 March 2015.*

2.4 The ICAO MID Regional Office, as a follow-up action to the MSG Conclusion 4/17, issued State Letter Ref: ME 3/1-15/034 dated 1 February 2015. It is to be highlighted that, twelve (12) States have provided their AIM National Plans and/or Roadmap to the ICAO MID Regional Office. Status of the States in developing/updating the AIM National Plans and/or Roadmap is as follow:

	State	AIM National Plan			National AIM Roadmap
		First Edition	Updates	Current/Last Version	
1	Bahrain	AIM Roadmap and Strategy 2020 Ver. 1.0 01/04/2009	01/12/2009 01/9/2010 01/6/2011 01/11/2011	AIM Roadmap and Strategy 2020 Ver. 2.1 01/01/2014 (07/05/2014)	Yes-2015
2	Egypt	National Roadmap for the transition from AIS to AIM – Jan 2015	-	National Roadmap for the transition from AIS to AIM – Jan 2015	No
3	Iran	Iran AIM National Plan Edition 1.0 15 SEP 2009	-	Iran AIM National Plan 15 SEP 2009	Yes-2014
4	Iraq	-----	-	-	Yes-2014
5	Jordan	-----	-	-	Yes-2014
6	Kuwait	Kuwait DGCA AIS to AIM Roadmap 31/08/2009	-	Kuwait DGCA AIS to AIM Roadmap 31/08/2009	Yes-2015
7	Lebanon	-----	-	-	Yes-2014
8	Libya	-----	-	-	No
9	Oman	-----	-	AIM Roadmap & Strategy V. 3.0 20/08/2015	Yes-2014
10	Qatar	AIM Roadmap and Strategy 2020 Ver. 1.0 04/02/2010	Ver. 2.0 24/10/2012 Ver. 3.0 05/12/2013 Ver. 4.0 16/02/2014	Qatar Roadmap for the transition from AIS to AIM Ver. 5.0 29/01/2015	Yes-2015
11	Saudi Arabia	Roadmap steps for the transition from AIS to AIM 10/01/2012	Ver. 2.0 18/02/2014	Roadmap for the transition from AIS to AIM 18/02/2014	Yes-2014
12	Sudan	Sudan National AIM Implementation Plan	-	Sudan National AIM Implementation Plan Version 1.0 22. April 2014	Yes-2015
13	Syria	-----	-	-	No
14	UAE	Transition from AIS to AIM First Edition July 2011	-	Transition from AIS to AIM First Edition July 2011	Yes-2014
15	Yemen	-----	-	-	No
Total				9 (60%)	11 (73%)

3. ACTION BY THE MEETING

3.1 The meeting is invited to urge States to:

- a) implement the MSG Conclusion 4/17;
- b) review and update, as necessary, the MID Region AIM Implementation Roadmap; and
- c) provide, on an annual basis, update on their National AIM Implementation Plan/Roadmap, as deemed necessary.

APPENDIX A

NATIONAL AIM IMPLEMENTATION ROADMAP TEMPLATE

Phase/Step	Step No.	Timeline												Start	End	Remarks	
		2014			2015			2016			2017						2018
Phase I																	
AIRAC adherence	P-03																
WGS-84 implementation	P-05																
QMS	P-17																
Phase II																	
Data Quality Monitoring	P-01																
Data Integrity Monitoring	P-02																
AIXM	P-06																
Unique identifiers	P-07																
Aeronautical information conceptual model	P-08																
eAIP	P-11																
Terrain A-1	P-13																
Obstacle A-1	P-14																
Terrain A-4	P-13																
Obstacle A-4	P-14																
Terrain A-2	P-13																Please specify implementation of Area 2a, 2b, 2c and/or 2d
Obstacle A-2	P-14																Please specify implementation of Area 2a, 2b, 2c and/or 2d

Phase/Step	Step No.	Timeline												Start	End	Remarks				
		2014			2015			2016			2017						2018			
Terrain A-3	P-13																			
Obstacle A-3	P-14																			
AD Mapping	P-15																			
Phase III																				
Aeronautical data exchange	P-09																			
Communication networks	P-10																			
Aeronautical information briefing	P-12																			
Training	P-16																			
Agreement with data originators	P-18																			
Interoperability with meteorological products	P-19																			
Electronic aeronautical charts	P-20																			
Digital NOTAM	P-21																			

**APPENDIX B
MID REGION AIM IMPLEMENTATION ROADMAP FOR THE TRANSITION FROM AIS TO AIM**

	2014				2015				2016				2017				2018				Priority	Remarks
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
AIXM	Yellow	Orange	Green	Green	Green	Green	1	The target is to have 60% by 2015, 80% by 2017 and 100% by 2019														
eAIP	Yellow	Orange	1	The target is to have 60% by 2016, 70% by 2018 and 100% by 2020																		
Terrain A-1	Yellow	Orange	2	The target is to have 50% by 2015, 70% by 2018																		
Obstacle A-1	Yellow	Orange	2	The target is to have 40% by 2015, 60% by 2018																		
Terrain A-4	Yellow	Green	2	The target is to have 50% by 2015, 100% by 2018																		
Obstacle A-4	Yellow	Green	2	The target is to have 50% by 2015, 100% by 2018																		
Terrain A-2a	White	Yellow	Orange	Orange	Orange	Orange	3	The target is to have 30% by 2017, 50% by 2018														
Obstacle A-2a	White	Yellow	Orange	Orange	Orange	Orange	3	The target is to have 30% by 2017, 50% by 2018														
Data Quality Monitoring	Yellow	3	Target for 2018: To be implemented by 50% of the States that have implemented QMS at least for the segment originator-AIS (excluding the segment AIS-End user)																			
Data Integrity Monitoring	Yellow	3																				
Agreement with data originators	Yellow	3																				
Terrain and Obstacle for Areas 2b, 2c, 2d and 3	White	4	Optional based on the States' decision to be reflected in the States' national Regulations and AIM National Plans, in accordance with operational needs																			
Aerodrome Mapping	White	4	Optional based on the States' decision to be reflected in the States' national Regulations and AIM National Plans, in accordance with operational needs																			

White: Not started

Yellow: Initial Target

Orange: Intermediate Target

Green: Target for full implementation