



International Civil Aviation Organization

**MIDANPIRG AIM Sub-Group**

**Second Meeting (AIM SG/2)**  
*(Kish Island, Iran, 31 August-2 September 2015)*

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**Agenda Item 5: Review of air navigation deficiencies in the AIM field**

**AIM DEFICIENCIES IN THE MID REGION**

*(Presented by the Secretariat)*

**SUMMARY**

This working paper presents the deficiencies in the AIM field for review, update and remedial actions.

Action by the meeting is at paragraph 3.

**REFERENCES**

- AIM SG/1 Report
- MIDANPIRG/15 Report

**1. INTRODUCTION**

1.1 The identification, assessment and reporting of air navigation deficiencies represent a regular task of the MIDANPIRG and its subsidiary bodies.

**2. DISCUSSION**

2.1 The meeting may wish to recall that, the AIM SG/1 meeting noted that the majority of the CAPs were not specifying a set of clear actions from States with specific timelines for the elimination of the deficiencies and agreed that the information reflected in the CAP column be deleted and urged States to use the MANDD to propose specific CAP for each deficiency.

2.2 The meeting may wish to note that, the AIM SG/1 meeting reviewed the methodology used for the prioritization of the air navigation deficiencies and agreed that all the priority “U” deficiencies in the AIM field (i.e. QMS, WGS-84 and AIRAC adherence) should be changed to priority “A”. The AIM SG/1 meeting also agreed to add new deficiencies related to the lack of provision of eTOD data for Area 1 and Area 4.

2.3 MIDANPIRG/15 reviewed the outcome of the different MIDANPIRG subsidiary bodies related to air navigation deficiencies and agreed to the following Conclusion to replace and supersede the MIDANPIRG/14 Conclusion 14/32:

*CONCLUSION 15/35: AIR NAVIGATION DEFICIENCIES*

*That, States be urged to:*

- a) use the MID Air Navigation Deficiency Database (MANDD) for the submission of requests for addition, update, and elimination of Air Navigation Deficiencies, including the submission of a specific Corrective Action Plan (CAP) for each deficiency; and*
- b) submit a Formal Letter to the ICAO MID Regional Office containing the evidence(s) that mitigation measures have been implemented for the elimination of deficiency(ies) when requesting the elimination of deficiency(ies) from the MANDD.*

2.4 The updated list of deficiencies in the AIM field is at **Appendix A** to this working paper for the review of the meeting.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) review and update the list of deficiencies in the AIM field;
- b) urge States to take necessary follow-up actions to implement MIDANPIRG/15 Conclusion 14/35, in particular submission of a specific Corrective Action Plan (CAP) for each deficiency.

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**APPENDIX A**

**Deficiencies in the AIM Field**

**BAHRAIN**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action

No Deficiencies Reported

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**EGYPT**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 15: Para. 10.1.3, Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Egypt	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**IRAN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 4: Para. 3.2	-	Non-production of Aerodrome Obstacle Chart-ICAO Type A	May, 1995	-	O	No Corrective Action Plan submitted by the State	Iran	Dec, 2016	A
2	ANNEX 15: Para. 3.6.5	-	Lack of AIS automation	Dec, 2007	-	O	No Corrective Action Plan submitted by the State	Iran	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

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“S”= State (Military/political)

“O”= Other unknown causes

## Deficiencies in the AIM Field

## IRAQ

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 4: Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO 1:1 000 000	May, 1995	-	F H S	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	B
2	ANNEX 4: Para. 13.2	-	Non-production of Aerodrome/ Heliport Chart - ICAO	May, 1995	-	F H O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A
3	ANNEX 15: Para 3.7.1	-	Implementation of WGS-84	Dec, 1997	-	F H O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A
4	ANNEX 15: Para. 3.2	-	Implementation of a Quality System	Jan, 2003	-	F H O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A
5	ANNEX 4: Para. 11.2	-	Non-production of Instrument Approach Chart-ICAO	Jan, 2003	-	F H O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A
6	ANNEX 15: Para. 8.1	-	Non provision of pre-flight information service at international airports	Mar, 2004	-	F H O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A
7	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
8	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Iraq	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

## Deficiencies in the AIM Field

## JORDAN

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 4: Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO1:1 000 000	Feb, 2008	-	F H	No Corrective Action Plan submitted by the State	Jordan	Dec, 2015	B
2	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	F H	No Corrective Action Plan submitted by the State	Jordan	Dec, 2015	A
3	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	F H	No Corrective Action Plan submitted by the State	Jordan	Dec, 2015	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**LEBANON**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 4 Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO1:1 000 000	May, 1995	-	H	No Corrective Action Plan submitted by the State	Lebanon	Dec, 2016	B
2	ANNEX 15:Para. 3.2	-	Implementation of a Quality System	Jan, 2003	(USOAP-CMA finding)	H	No Corrective Action Plan submitted by the State	Lebanon	Dec, 2016	A
3	ANNEX 15:Para. 3.7.2.4	-	Implementation of geoid undulation referenced to the WGS-84 ellipsoid.	Jan, 2003	-	H	No Corrective Action Plan submitted by the State	Lebanon	Dec, 2016	A
4	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Lebanon	Dec, 2016	A
5	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Lebanon	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**LIBYA**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 4 Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO 1:1 000 000	May, 2014	-	O	No Corrective Action Plan submitted by the State	Libya	Dec, 2016	B
2	ANNEX 15: Para. 3.2	-	Implementation of a Quality System	May, 2014	(USOAP-CMA finding)	O	No Corrective Action Plan submitted by the State	Libya	Dec, 2016	A
3	ANNEX 15: Para 6.	-	Lack of implementation of AIRAC System	May, 2014	-	O	No Corrective Action Plan submitted by the State	Libya	Dec, 2016	A
4	ANNEX 15: Para. 3.6.5	-	Lack of AIS automation	May, 2014	-	O	No Corrective Action Plan submitted by the State	Libya	Dec, 2016	A
5	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Libya	Dec, 2016	A
6	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Libya	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**OMAN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 15:Para. 3.2	-	Implementation of a Quality System	Jan, 2003	(USOAP-CMA finding)	O	The Public Authority for Civil Aviation has contracted with the Avitech Company for the development and implementation of a Quality Management System (QMS). QMS manuals and documentation are currently in draft form with approval and implementation expected in January 2016	Oman	Dec, 2016	B
2	ANNEX 15: Para. 3.6.5and 8.2	-	Lack of AIS automation	Jul, 2005	-	O	The Public Authority for Civil Aviation is working with the Comsoft Company to complete the process of AIS automation. Completion is estimated for January 2016.	Oman	Dec, 2016	B
3	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	The required terrain datasets for eTOD Areas 1 and 4 will be a long-term project.	O	In 2014 The Public Authority for Civil Aviation received eTOD presentations from 2 different service providers. There has been no formal decision on when eTOD for Areas 1 and 4 will be implemented.	Oman	Dec, 2016	B

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
4	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	The required obstacle datasets for eTOD Areas 1 and 4 will be a long-term project.	O	In 2014 The Public Authority for Civil Aviation received eTOD presentations from 2 different service providers. There has been no formal decision on when eTOD for Areas 1 and 4 will be implemented.	Oman	Dec, 2016	B

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

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**Deficiencies in the AIM Field**

**QATAR**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action

No Deficiencies Reported

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the AIM Field**

**SAUDI ARABIA**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 15: Para. 8.1	-	Pre-flight information service not provided at International Airports	Nov, 2007	-	O	No Corrective Action Plan submitted by the State	Saudi Arabia	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**SUDAN**

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
1	ANNEX 4 Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO 1:1 000 000	May, 2014	-	O	No Corrective Action Plan submitted by the State	Sudan	Dec, 2016	B
2	ANNEX 15: Para. 3.2	-	Implementation of a Quality System	May, 2014	(USOAP-CMA finding)	O	No Corrective Action Plan submitted by the State	Sudan	Dec, 2016	A
3	ANNEX 15: Para. 3.6.5	-	Lack of AIS automation	May, 2014	-	O	No Corrective Action Plan submitted by the State	Sudan	Dec, 2016	A
4	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Sudan	Dec, 2016	A
5	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Sudan	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

## Deficiencies in the AIM Field

## SYRIA

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
1	ANNEX 15: Para 6.	-	Lack of implementation of AIRAC System	May, 1995	-	F H	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
2	ANNEX 4: Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO1:1 000 000	May, 1995	-	F H S	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	B
3	ANNEX 15: Para. 3.2	-	Implementation of a Quality System	Jan, 2003	(USOAP-CMA finding)	F H	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
4	ANNEX 15: Para. 3.7.2.4	-	Implementation of geoid undulation referenced to the WGS-84 ellipsoid.	Jan, 2003	-	F H	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
5	ANNEX 15: Para 4.2.9 & 4.3.7	-	Lack of regular and effective updating of the AIP	Jul, 2005	-	F H O	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
6	ANNEX 15 Para. 3.1.1.2, 3.1.5, 3.1.6 & 4.1	-	Lack of consistency between the different Sections of the AIP containing the same information.	Jul, 2005	-	H	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
7	ANNEX 15: Para. 3.6.5	-	Lack of AIS automation	Jul, 2005	-	F H	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A

(1) Rationale for non-elimination: “F”= Financial

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Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
8	ANNEX 15: Para. 8.1	-	Non provision of pre-flight information service at international airports	Jul, 2005	-	F H	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
9	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A
10	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Syria	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Deficiencies in the AIM Field**

**UAE**

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action

No Deficiencies Reported

<sup>(1)</sup> Rationale for non-elimination: "F"= Financial

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"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the AIM Field**

**YEMEN**

Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination	Description	Executing Body	Date of Completion	Priority for Action	
1	ANNEX 15: Para 6.	-	Lack of implementation of AIRAC System	May, 1995	-	H O	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A
2	ANNEX 4: Para. 16.2	-	Non-production of World Aeronautical Chart – ICAO1:1 000 000	May, 1995	-	F	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	B
3	ANNEX 15: Para. 3.2	-	Implementation of a Quality System	Jan, 2003	-	F	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A
4	ANNEX 4: Para. 11.2	-	Non-production of Instrument Approach Chart-ICAO	Jan, 2003	Yemen has produced the Instrument Approach Chart-ICAO except for TAIZ Intl Airport	O	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A
5	ANNEX 15: Para. 8.1	-	Non provision of pre-flight information service at international airports	Mar, 2004	-	F H	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A
6	ANNEX 15: Para. 3.6.5	-	Lack of AIS automation	Jul, 2005	-	F	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A
7	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Terrain Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

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“O”= Other unknown causes

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date First Reported	Remarks/ Rationale for Non-elimination		Description	Executing Body	Date of Completion	Priority for Action
8	ANNEX 15: Para. 10.1.3 Para. 10.1.9	-	Lack of the required Obstacle Datasets for eTOD Area 1 and Area 4	May, 2014	-	O	No Corrective Action Plan submitted by the State	Yemen	Dec, 2016	A

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

**Note:**\* Priority for action to remedy a deficiency is based on the following safety assessments:

**'U' priority = Urgent requirements having a direct impact on safety and requiring immediate corrective actions.**

**Urgent requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is urgently required for air navigation safety.**

**'A' priority = Top priority requirements necessary for air navigation safety.**

**Top priority requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is considered necessary for air navigation safety.**

**'B' priority = Intermediate requirements necessary for air navigation regularity and efficiency.**

**Intermediate priority requirement consisting of any physical, configuration, material, performance, personnel or procedures specification, the application of which is considered necessary for air navigation regularity and efficiency.**

**Definition:**

**A deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation.**

- END -

<sup>(1)</sup> Rationale for non-elimination: “F”= Financial

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes