



International Civil Aviation Organization

**ELEVENTH MEETING OF THE MIDANPIRG AIM SUB-GROUP
(AIM SG/11)**

(Amman, Jordan, 22 – 23 January 2025)

Agenda Item 6: Review of Air Navigation Deficiencies in the AIM Field

REVIEW OF AIR NAVIGATION DEFICIENCIES IN THE AIM FIELD

(Presented by the Secretariat)

<p style="text-align: center;">SUMMARY</p> <p>This paper presents the list of Air Navigation Deficiencies in the AIM Field and the proposed MID AN Deficiencies Management Process (MID AND-MP) for review, update and feedback provision, as appropriate.</p> <p>Action by the meeting is at paragraph 3.</p>
<p style="text-align: center;">REFERENCES</p> <p>- MIDANPIRG/21 Meeting Report</p>

1. INTRODUCTION

1.1 The meeting may wish to note that MIDANPIRG/21 meeting (Abu Dhabi, UAE, 4 – 8 March 2024), reviewed and updated the list of deficiencies in the AIM, AOP, ATM, CNS, SAR and MET fields as reflected in the MID Air Navigation Deficiency Database (MANDDD). The total number of air navigation deficiencies recorded in MANDDD was 98 deficiencies compared to 116 deficiencies in MIDANPIRG/20.

1.2 The air navigation deficiencies are reflected in the MID Air Navigation Deficiency Database (MANDDD) at: <http://www.icao.int/mid>.

1.3 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 different MIDANPIRG meetings urged States to use the MID Air Navigation Deficiency Database (MANDDD) 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.

2.2 It should be reiterated that a deficiency would be eliminated only when a State submit a formal Letter to the ICAO MID Office containing the evidence(s) that mitigation measures have been implemented for the elimination of this deficiency.

2.3 The MIDANPIRG/21 meeting noted with concern that the majority of deficiencies listed in the MANDD have no specific CAP. The meeting urged States to implement the provisions of MIDANPIRG Conclusion 15/35 related to elimination of Air Navigation Deficiencies, in particular, the submission of a specific Corrective Action Plan (CAP) for each deficiency:

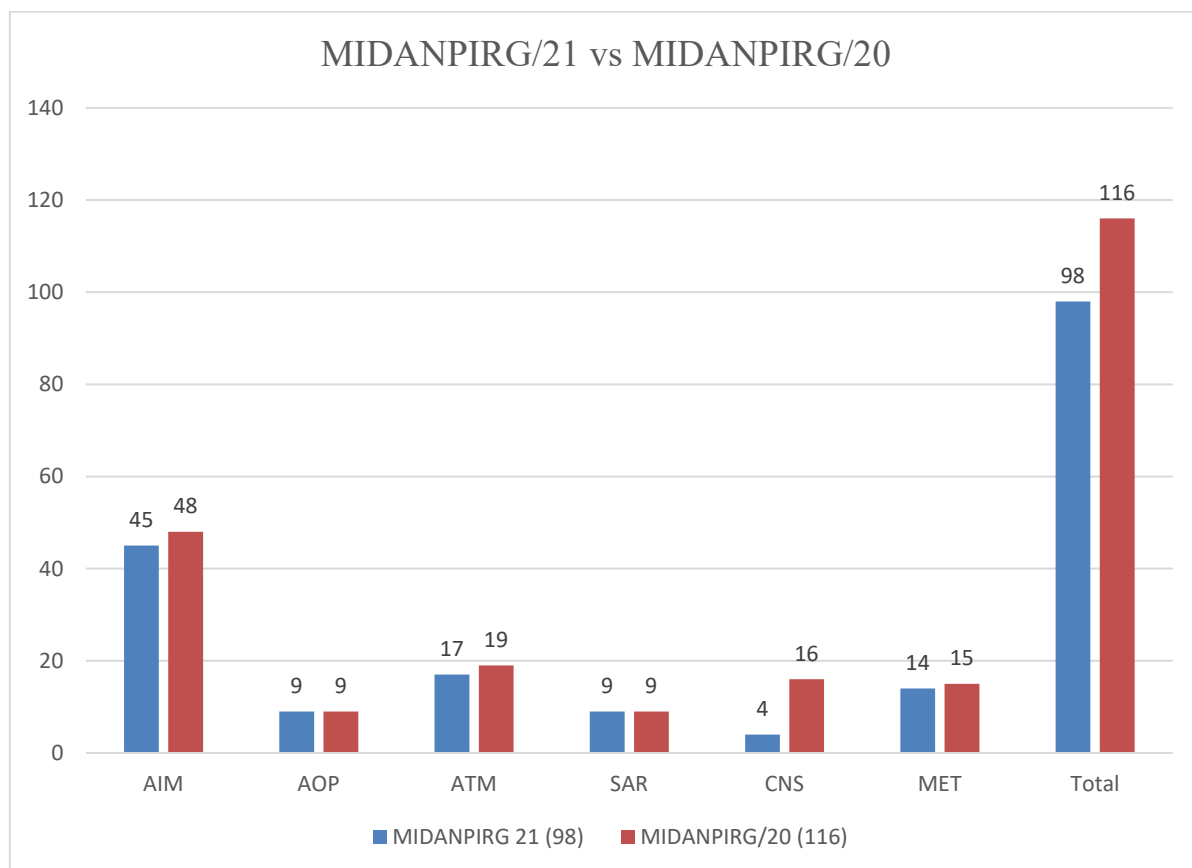
MIDANPIRG CONCLUSION 15/35: AIR NAVIGATION DEFICIENCIES

That, States be urged to:

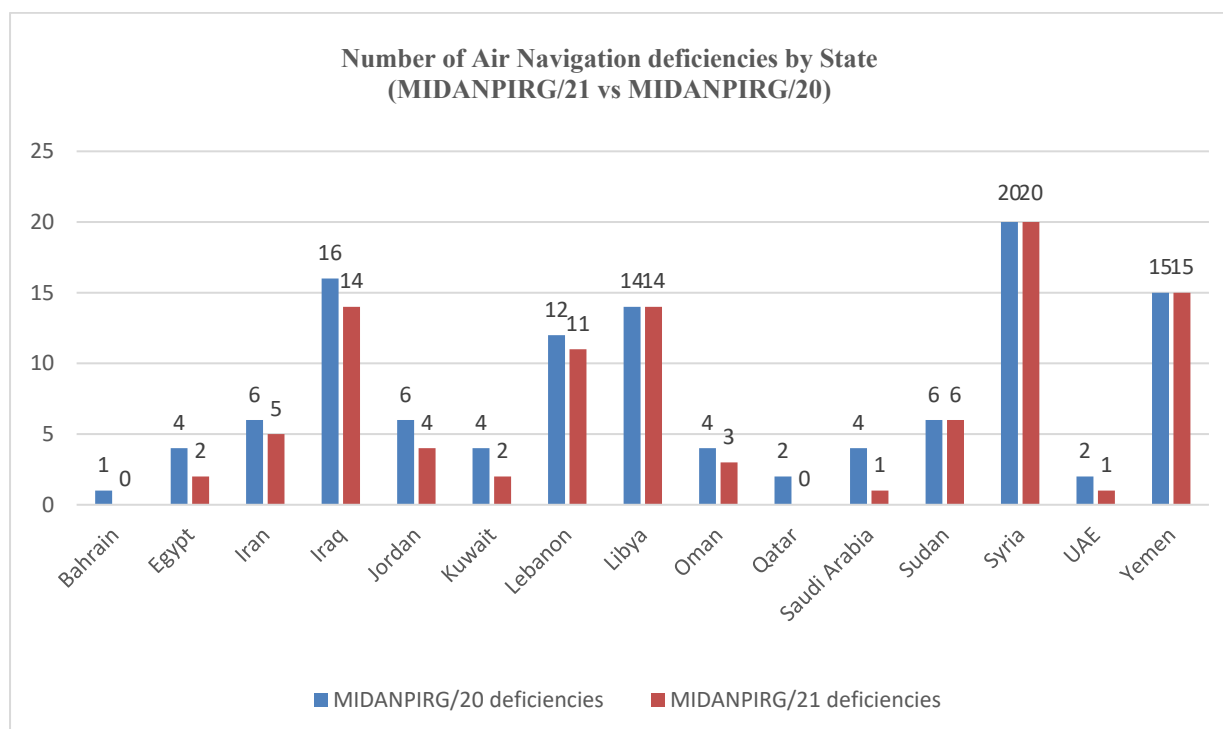
- a) use the MID Air Navigation Deficiency Database (MANDD) for the submission of requests for addition, update, and elimination of Air Navigation Deficiencies, including the submission of a specific Corrective Action Plan (CAP) for each deficiency; and*
- b) submit a Formal Letter to the ICAO MID Regional 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 In the AIM field: MIDANPIRG/21 meeting agreed to remove the deficiencies reported against Iraq related to AIP and aeronautical charts and two deficiencies against Saudi Arabia related to terrain and obstacle data set; the total number of AIM deficiencies is forty-five (45); thirty-nine (39) priority “A” and six (6) priority “B”. Twenty (20) deficiencies related to eTOD (based on the agreement to include new deficiencies related to the non-provision of TOD for Area 2a/TOFP and OLS); five (5) related to QMS; five (5) related to AIXM; six (6) related to WAC; three (3) related to pre-flight information services; one (1) related to AIP and aeronautical charts; three (3) related to AIRAC adherence; and two (2) related to WGS-84.

2.5 A quantitative analysis of the MID States’ air navigation deficiencies is shown in the following Graphs and Table:



Graph 1. Reported Deficiencies by field (MIDANPIRG/21 vs MIDANPIRG/20)

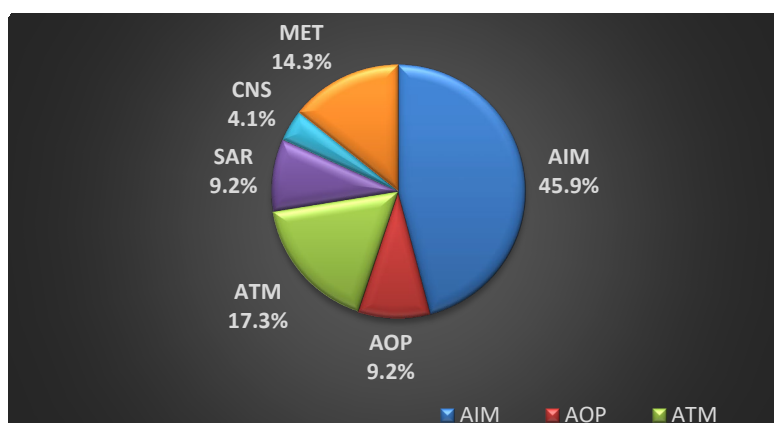


Graph 2. Number of Air Navigation deficiencies by State (MIDANPIRG/20 vs MIDANPIRG/19)

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen	Total
AIM	0	2	3	6	3	0	4	5	3	0	0	2	9	0	8	45

Table 1. Number of Air Navigation Deficiencies by State and in the AIM Field

2.6 The graph below illustrates the distribution of Air Navigation deficiencies by field, expressed as percentages. Notably, the AIM field accounts for the largest share, representing 46% of the total deficiencies, underscoring its critical importance in addressing systemic challenges.



2.7 Therefore, the list of Air Navigation Deficiencies in the AIM Field is updated as at **Appendix A**.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review, update and approve the air navigation deficiencies at **Appendix A**, and
- b) urge States to:
 - i. implement the provisions of the MIDANPIRG/15 Conclusion 15/35 and provide updates on the status of their deficiencies using MANDDD;
 - ii. submit CAP for each deficiency; and
 - iii. submit official Letter with the associated evidences when requesting to eliminate an air navigation deficiency.

APPENDIX A

Deficiencies in the AIM field										
EGYPT										
Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	Executing body	Date of completion	Priority for action
1	ANNEX 15 : 5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	Lack of provision of required obstacle data sets	May 2014	-	O	Phase 1: Determine the required specification for Obstacles area 1 and 4; Phase 2: provide the required specification to Consultancy office to determine the implementing entity; Phase 3: Determine the implementing entity and begin to produce new software for eTOD; Phase 4: finish the new software and begin to produce eTOD area 4 (from existing raw data from Cairo International Airport Company); Phase 5 (in parallel with phase 4): begin to produce eTOD area 1 after get raw data Terrain data sets are provided for Areas 1 and 4. Terrain data sets for area 2a, TOFP and OLS are not provided.	Egypt	Q4 2025	A

⁽¹⁾ Rationale for non-elimination: “F”= Financial “H”= Human Resources “S”= State (Military/political) “O”= Other unknown causes

2	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	Lack of provision of required terrain data sets	Jan 2021	-	O	Phase 1: Determine the required specification for Obstacles area 1 and 4; Phase 2: provide the required specification to Consultancy office to determine the implementing entity; Phase 3: Determine the implementing entity and begin to produce new software for eTOD; Phase 4: finish the new software and begin to produce eTOD area 4 (from existing raw data from Cairo International Airport Company); Phase 5 (in parallel with phase 4): begin to produce eTOD area 1 after get raw data Terrain data sets are provided for Areas 1 and 4. Terrain data sets for area 2a, TOFP and OLS are not provided.	Egypt	Q4 2025	A
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(¹) 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		Facilities/ Services	Executing body	Date of completion	Priority for action
1	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	Dec 2007	-	O	Based on the Corrective action plan it's divided into two millstones, First; Setup up new software till DEC 2022, and Second Update the database by End of July 2024.	Iran	Dec 2025	A
2	ANNEX 15 : 5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	Lack of provision of required obstacle data sets	Jan 2021	-	O	Obstacle data sets are available for Areas 1, 4 and 2a. Obstacle data sets for TOFP and OLS are not provided.	Iran	Dec 2026	A
3	ANNEX 15 : 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	Lack of provision of required terrain data sets	Jan 2021	-	O	Terrain data sets are available for Areas 1, 4 and 2a. Terrain data sets for TOFP and OLS are not provided.	Iran	Dec 2026	A

(1) Rationale for non-elimination: “F” = Financial “H” = Human Resources “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		Facilities/ Services	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	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2024	B
2	ANNEX 15: Para. 1.2.1.1	-	Implementation of geoid undulation referenced to the WGS-84 ellipsoid	Dec 1997	-	F H O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2024	A

“O” = Other unknown causes

3	ANNEX 15: Para. 3.6	QMS Implementation	Lack of Implementation of QMS	Jan 2003	-	F H O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2024	A
4	ANNEX 15: Para. 5.5	-	Non provision of pre-flight information service at international airports	Mar 2004	-	F H O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2024	A
5	ANNEX 15: Para.5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	Lack of provision of required obstacle data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2024	A
6	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	Lack of provision of required terrain data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2024	A

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Deficiencies in the AIM field										
JORDAN										
Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	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	Corrective Action Plan has not been formally provided by the State	Jordan	Dec 2024	B
2	ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	Lack of provision of required obstacle data sets	May 2014	-	F H	Corrective Action Plan has not been formally provided by the State	Jordan	Dec 2024	A

“O” = Other unknown causes

3	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	Lack of provision of required terrain data sets	May 2014	-	F H	Corrective Action Plan has not been formally provided by the State	Jordan	Dec 2024	A
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Deficiencies in the AIM field										
LEBANON										
Item No	Identification		Deficiencies			Corrective Action				
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	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	Corrective Action Plan was provided in August 2016.	Lebanon	Dec 2024	B
2	ANNEX 15: Para. 3.6	QMS Implementation	Lack of Implementation of QMS	Jan 2003	(USOAP- CMA finding)	H	Corrective Action Plan was provided in August 2016.	Lebanon	Dec 2024	A

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“S” = State (Military/political)

“O” = Other unknown causes

3	ANNEX 15: 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	Corrective Action Plan was provided in August 2016.	Lebanon	Dec 2024	A
4	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	Lack of provision of required terrain data sets	May 2014	-	O	Corrective Action Plan was provided in August 2016.	Lebanon	Dec 2024	A

Deficiencies in the AIM field

LIBYA

Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	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	Plan to Sign a contract with a specialized company for the production of this chart.	Libya	Dec 2024	B
2	ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2024	A

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“S” = State (Military/political)

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3	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	Lack of provision of required terrain data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2024	A
4	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	May 2014	-	O	The installation of AIM equipment has been completed , Awaiting for Data Migration	Libya	Dec 2024	A
5	ANNEX 15: Para. 3.6	QMS Implementation	Lack of Implementation of QMS	May 2014	(USOAP-CMA finding)	O	An agreement with an International quality company is Established to assist for Progressive implementation of Quality systems within LYCAA ; AIS QMS is expected to be fully Implemented by DEC 2024	Libya	Dec 2024	A

Deficiencies in the AIM field										
OMAN										
Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	Executing body	Date of completion	Priority for action
1	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	Jul 2005	-	O	Scope of work has been developed; Tender has been floated; Contract to be signed with a company to start AIP data migration and provision of the AIXM-based AIS Database	Oman	June 2024	A
2	ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	TOD implementation working group has been established; TOD implementation focal points have been nominated;	Oman	Dec 2025	A

⁽¹⁾ Rationale for non-elimination: “F” = Financial “H” = Human Resources “S” = State (Military/political) “O” = Other unknown causes

							TOD policy to be developed; Tender to be floated; Contract to be signed with a company to provide obstacle data sets for Area 1, 2a , TOFP and OLS penetrations at aerodromes.			
3	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	Lack of provision of required terrain data sets	May 2014	-	O	TOD implementation working group has been established; TOD implementation focal points have been nominated; TOD policy to be developed; Tender to be floated; Contract to be signed with a company to provide terrain data sets for Area 1, 2a , TOFP and OLS penetrations at aerodromes.	Oman	Dec 2025	A

Deficiencies in the AIM field

SUDAN

Item No	Identification		Deficiencies			Corrective Action			
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination	Facilities/ Services	Executing body	Date of completion	Priority for action

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

1	ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Sudan	Dec 2024	A
2	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	Lack of provision of required terrain data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Sudan	Dec 2024	A

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Deficiencies in the AIM field										
SYRIA										
Item No	Identification	Deficiencies					Corrective Action			

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	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	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	-	F H S	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	B
2	ANNEX 15: Para 6.2	-	Lack of a system for AIRAC adherence monitoring	May 1995	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A
3	ANNEX 15: Para. 1.2.1.1	-	Implementation of geoid undulation referenced to the WGS-84 ellipsoid.	Jan 2003	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A
4	ANNEX 15: Para. 3.6	QMS Implementation	Lack of Implementation of QMS	Jan 2003	(USOAP-CMA finding)	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A

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5	ANNEX 15 Para. 5.2 and 6.3.1	-	Lack of consistency in AIP information and lack of regular and effective updating of the AIP.	Jul 2005	-	H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A
6	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	Jul 2005	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A
7	ANNEX 15: Para. 5.5	-	Non provision of pre-flight information service at international airports	Jul 2005	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A
8	ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A
9	ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	Lack of provision of required terrain data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2024	A

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Deficiencies in the AIM field			
YEMEN			
Item No	Identification	Deficiencies	Corrective Action

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	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	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	-	F	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	B
2	ANNEX 15: Para 6.2	-	Lack of a system for AIRAC adherence monitoring	May 1995	-	H O	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	A
3	ANNEX 4: Para. 11.2	-	Non-production of Instrument Approach Chart-ICAO for TAIZ Intl. Airport	Jan 2003	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2025	A
4	ANNEX 15: Para. 3.6	QMS Implementation	Lack of Implementation of QMS	Jan 2003	-	F	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	A
5	ANNEX 15: Para. 5.5	-	Non provision of pre- flight information service at international airports	Mar 2004	-	F H	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

6	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	Jul 2005	-	F	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	A
7	ANNEX 15 : Para 5.3.3.3.2 5.3.3.3.3	-	Lack of provision of required terrain data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	A
8	ANNEX 15 : Para. 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2024	A

- END -

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

“H” = Human Resources

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