



International Civil Aviation Organization

MIDANPIRG/20 and RASG-MID/10 Meetings

(Muscat, Oman, 14-17 May 2023)

Agenda Item 6.8: Air Navigation Deficiencies

MID AIR NAVIGATION DEFICIENCIES STATUS

(Presented by the Secretariat)

SUMMARY

This paper presents the outcome of the MIDANPIRG subsidiary bodies with regard to the review and update of air navigation deficiencies.

Action by the meeting is at paragraph 3.

REFERENCES

- MIDANPIRG/19 & RASG-MID/9 Report (Riyadh, Saudi Arabia, 14-17 February 2022)
- AIM SG/9 Report (Virtual Meetings, 20 – 21 September 2022)
- ASPIG/4 Report (Virtual Meeting, 14-16 March 2022)
- ATM SG/8 Report (Amman, Jordan, 07 – 10 November 2022)
- CNS SG/11 Report (Muscat, Oman, 16 – 19 May 2022)
- CNS SG/12 Report (Amman, Jordan, 02 – 04 May 2023)
- MET SG/10 Report (Virtual Meeting, 17 – 19 May 2022)

1. INTRODUCTION

1.1 The meeting may wish to note that MIDANPIRG/19 meeting (Riyadh, Saudi Arabia, 14-17 February 2022), reviewed and endorsed the list of deficiencies in the AIM, AOP, ATM, CNS, SAR and MET fields as reported by the relevant subsidiary bodies. The meeting noted that the total number of air navigation deficiencies recorded in MANDDD, was 105 deficiencies compared to 107 deficiencies approved by MIDANPIRG/18 (Virtual Meeting, 15 – 22 February 2021).

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 MIDANPIRG/19 meeting noted with concern that the majority of deficiencies listed in the MANDDD have no specific Corrective Action Plan (CAP). The meeting urged States to implement the provisions of MIDANPIRG Conclusion 15/35 related to the elimination of Air Navigation Deficiencies, in particular, the submission of a specific Corrective Action Plan (CAP) for each deficiency.

2. DISCUSSION

2.1 The meeting may wish to note that:

- a) In the AOP field: the total number of AOP deficiencies is nine (9) priority “A”. Seven (7) deficiencies related to aerodrome certification; one (1) related to runway physical characteristics; and one (1) related to apron lighting. The lack of implementation of aerodromes’ certification represents 78% of these deficiencies.
- b) In the AIM field: based on ANNEX 15 (16th edition) the total number of AIM deficiencies is fifty (50); forty-four (44) priority “A” and six (6) priority “B”. Twenty-four (24) deficiencies related to eTOD; five (5) related to QMS; five (5) related to AIXM; six (6) related to WAC; three (3) related to pre-flight information services; two (2) related to AIP and aeronautical charts; three (3) related to AIRAC adherence; and two (2) related to WGS-84.

Based on AIM SG/9 report, deficiency reported against Oman, UAE and Libya respectively related to lack of implementation of QMS, terrain and obstacle data sets (two deficiencies) and AIRAC adherence are proposed for deletion; therefore, the total number of deficiencies in the AIM field would be forty-six (46).

- c) In the ATM field: the total number of deficiencies is eighteen (18); eleven (11) priority “A” and seven (7) priority “B”. Nine (9) related to the uncompleted signature of contingency agreements; seven (7) related to the non-implementation of planned regional ATS Routes; and two (2) related to unsatisfactory reporting of Large Height Deviation (LHD) to the MIDRMA.
- d) In the CNS field: The total number of CNS deficiencies is five (5); two (2) priority “A” and three (3) priority “B”. Three (3) deficiencies are related to ATS Direct speech circuits, one (1) related to Inter-Regional Communication link with ICAO EUR/NAT Region and one (1) for HF service.

Deficiencies related to ATS Direct speech circuits reported against Oman is proposed for deletion; and therefore, the total number of deficiencies in the CNS field would be four (4).

- e) In the MET field: the total number of MET deficiencies is thirteen (13) priority “A” deficiencies. Six (6) related to QMS; and seven (7) related to METAR, TAF, SIGMET and WAFS.

Based on MET SG/10 (Virtual Meeting, 17 – 19 May 2022), deficiency reported against Oman and Iraq respectively related to lack of implementation of QMS and METAR at ORBM are proposed for deletion. In addition, new deficiencies are proposed to be added against Iraq and Jordan related to SADIS service as well as Libya and Sudan related to METAR and TAF services; therefore, the total number of deficiencies in the MET field would be fifteen (15).

- f) In the SAR field: the total number of deficiencies is ten (10) priority “A”. Five (5) related to the lack of SAR provisions; and five (5) related to non-compliance with the carriage of Emergency Locator Transmitter (ELT) requirements.

Based on information provided by Iraq CAA to ICAO MID, the deficiency reported against Iraq related to non-compliance with the carriage of ELT is proposed for deletion; therefore, the total number of deficiencies in the SAR field would be nine (9).

2.2 The updated lists of deficiencies in the AIM, AOP, ATM, CNS, SAR and MET fields are at Appendices A, B, C, D, E and F, respectively.

2.3 The analysis of the MID States' air navigation deficiencies is shown in the tables and graphs presented at Appendices G and H. In particular, it's to be highlighted that:

- The total number of air navigation deficiencies recorded in MANDD would be 101 deficiencies compared to 105 deficiencies approved by MIDANPIRG/19.
- The total number of deficiencies varies between 0 and 21 deficiencies per State as shown in Appendix H.
- The distribution of air navigation deficiencies by field is shown in Appendix G as follows: AIM 45.5%, AOP 8.9%, ATM 17.8%, CNS 4.0%, MET 14.9% and SAR 8.9%.
- The distribution of air navigation deficiencies by priority is shown in Appendix G as follows: 0% "U", 91.10% "A", and 8.90% "B":

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review, update and approve the air navigation deficiencies at **Appendices A, B, C, D, E and F**;
- b) review the analyses in **Appendices G and H**; and
- c) urge States to:
 - i. implement the provisions of the MIDANPIRG/15 Conclusion 15/35 and provide updates on the status of their deficiencies using MANDD;
 - ii. submit CAP for each deficiency; and
 - iii. submit official Letter with the associated evidence(s) 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 (1/1/2018 to 1/3/2018); Phase 2: provide the required specification to Consultancy office to determine the implementing entity (1/3/2018 to 1/3/2019); Phase 3: Determine the implementing entity and begin to produce new software for eTOD (1/03/2019 to 1/12/2019); Phase 4: finish the new software and begin to produce eTOD area 4 (from existing raw data from Cairo International Airport Company) (1/1/2020 to 1/6/2020); Phase 5 (in parallel with phase 4): begin to produce eTOD area 1 after get raw data (1/1/2020 to 31/12/2020) Terrain data sets are provided for Areas 1 and 4. Terrain data sets for area 2a, TOFP and OLS are not provided.	Egypt	Dec 2022	2023 A	

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

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

7	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 May 2014	-	O	Phase 1: Determine the required specification for Obstacles area 1 and 4 (1/1/2018 to 1/3/2018); Phase 2: provide the required specification to Consultancy office to determine the implementing entity (1/3/2018 to 1/3/2019); Phase 3: Determine the implementing entity and begin to produce new software for eTOD (1/03/2019 to 1/12/2019); Phase 4: finish the new software and begin to produce eTOD area 4 (from existing raw data from Cairo International Airport Company) (1/1/2020 to 1/6/2020); Phase 5 (in parallel with phase 4): begin to produce eTOD area 1 after get raw data (1/1/2020 to 31/12/2020) Terrain data sets are provided for Areas 1 and 4. Terrain data sets for area 2a, TOFP and OLS are not provided.	Egypt	Dec 2022 2023	A
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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 Based on Corrective action plan it's divided on two millstone, First; Setup new software till July 2021, Second Update database by End of DEC2021	Iran	Dec 2021 July 2024	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

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	July 2024 Dec 2021	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	July 2024 Dec 2021	A

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 2023	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

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
3	ANNEX 4: Para. 11.2	-	Non production of Instrument Approach Chart ICAO for Mosul Intl. Airport	Jan 2003	-	F H O	An official letter regarding the status of Mosul Airport was not submitted to ICAO MID office	Iraq	Dec 2021	A
4	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 2022 2023	A
5	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 2023	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

6	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
7	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

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 ¹	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

‡	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 2	A
‡	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 2	A

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	
†	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 2021 2023	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

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 2022 2023	A
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 2021 2023	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 2021 2023	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	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021 2023	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

2	ANNEX 15: Para. 5.3.3.4.3 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 2023 ¹	A
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 2023 ¹	A
4	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	May 2014	-	O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2023 ¹	A
5	ANNEX 15: Para 6.2	-	Lack of a system for AIRAC adherence monitoring	May 2014	-	Ø	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021	A
6	ANNEX 15: Para. 3.6	QMS Implementation	Lack of Implementation of QMS	May 2014	(USOAP-CMA finding)	O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2023 ¹	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. 3.6	QMS Implementation	Lack of Implementation of QMS	Jan 2003	(USOAP-CMA finding)	Ø	An agreement with an international quality company is established to assist for progressive implementation of quality systems within DGAN AIS. QMS is expected to be fully implemented by September 2019.	Oman	Jun 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

2	ANNEX 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	Jul 2005	-	O	A contract is going to be signed with a company specializing in this area for AIP Data Migration. AIM equipment installation will be completed by end of February 2017. The target is to have 70% of the data by June 2018	Oman	Dec Oct 2023 2	A
3	ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	Lack of provision of required obstacle data sets	May 2014	-	O	Area 1 obstacles are published in AIP Oman ENR 5.4 "Air Navigation (En-Route) Obstacles". Data originators for obstacles will be consulted for Area 1 obstacle completeness and update.	Oman	Dec 2023 2	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	An agreement with National survey authority is going to be established to assist for progressive implementation of terrain datasets for area1. The target is to have the required data by Dec 2019.	Oman	Dec 2023 2	A

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	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	Dec 2021	-	O	Obstacle data sets are provided for Areas 1 and 4. Obstacle data sets for area 2a, TOFP and OLS are provided in: OERK, OEDF, OEMA, and OEJN. Updates of OEJN terrain digital data sets are expected to be available and published by: Q1-2021	Saudi Arabia	Dec 2021 2023	A

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

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"S" = State (Military/political)

"O" = Other unknown causes

4	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	Dec 2021	-	O	Terrain data sets are available for Areas 1 and 4. Terrain data sets for area 2a, TOFP and OLS are provided in: OERK, OEDF, OEMA, and OEJN. Updates of OEJN terrain digital data sets are expected to be available and published by: Q1-2021	Saudi Arabia	Dec 2023 ¹	A
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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	
4	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 2023 ¹	A

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

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"S" = State (Military/political)

"O" = Other unknown causes

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 2023 ⁺	A
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Deficiencies in the AIM field

SYRIA

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	-	F H S	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2023 ⁺	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 2023 ⁺	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 2023 ⁺	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

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 2023 ¹	A
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 2023 ¹	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 2023 ¹	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 2021	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 2023 ¹	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

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 2023 ¹	A
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Deficiencies in the AIM field

UAE

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 : 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	Lack of provision of required terrain data sets	Dec 2021	-	⊖	Terrain data sets are provided for Areas 1, 4 and 2a. Terrain data sets for TOFP and OLS are not provided. Abu Dhabi Airports (Fully Compliant) Dubai Airports (Fully Compliant) OMSJ (Fully Compliant) OMFJ (Fully Compliant) OMRK (Not Compliant) All UAE Intl Airports are providing full Area 2 Terrain.	UAE	Dec 2021	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	Dec 2021	-	⊖	Obstacle data sets are provided for Areas 1, 4 and 2a. Obstacle data sets for TOFP and OLS are not provided. Abu Dhabi Airports (Fully Compliant) Dubai Airports (Fully Compliant) OMSJ (Fully Compliant) OMFJ (Fully Compliant) (Partially compliant, update survey required) All UAE Intl Airports are providing full Area 2 obstacles.	UAE	Dec 2021	A

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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		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 2021 2023	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 2021 2023	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 2021 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 2021 2023	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

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 2021 2023	A
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 2021 2023	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 2021 2023	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 2021 2023	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

APPENDIX B

Deficiencies in the AOP 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 14 VOL I: Para. 1.4	-MASHHAD/Shahid Hashemi Nejad Intl (OIMM), SHIRAZ/Shiraz Intl (OISS), TABRIZ/Tabriz Intl (OITT), TEHRAN/Imam Khomains Intl (OIIE), BANDAR ABBAS/Bandar Abbas Intl (OIKB)	Implementation of Certification of Aerodromes used for international operations	Nov 2006	Certification Status for: - TEHRAN/ IKIA Intl (OIIE) - BANDAR Abbas /Bandar Abbas Intl (OIKB) are waiting final action for certification very soon	F H	Corrective Action Plan has not been formally provided by the State	Iran	Dec 2021	A

Deficiencies in the AOP 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 14 VOL I: Para. 1.4	Al Najaf/Al Najaf Intl (ORNI), BASRAH/Basrah Intl (ORMM), MOUSL/Mousl Intl (ORBM), SULYMANIYAH/Sulaymaniyah Intl (ORSU)	Implementation of Certification of Aerodromes used for international operations	Nov 2006	-	F H O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021	A

Deficiencies in the AOP field

LEBANON

⁽¹⁾ 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	Facilities/ Services	Executing body	Date of completion	Priority for action	
1	ANNEX 14 VOL I: Para. 1.4	BEIRUT/ Rafic Hariri Intl (OLBA)	Implementation of Certification of Aerodromes used for international operations	Nov 2006	-	F H	Corrective Action Plan has not been formally provided by the State	Lebanon	Dec 2021	A

Deficiencies in the AOP 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 14 VOL I: Para. 1.4	BENGHAZI/Benina (HLLB), SEBHA/Sebha (HLLS), TRIPOLI/Tripoli Intl (HLLT)	Implementation of Certification of Aerodromes used for international operations	May 2015	-	F H S	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021	A

Deficiencies in the AOP field

SUDAN

⁽¹⁾ 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	Facilities/ Services	Executing body	Date of completion	Priority for action	
1	ANNEX 14 VOL I: Para. 1.4	- Nyala/Nyala Airports	Implementation of Certification of Aerodromes used for international operations	May 2015	Certification of NYALA/Nyala (HSNN) Will be in January 2018	F H	- Sudan	Dec 2021	A	

Deficiencies in the AOP field

SYRIA

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	MID eANP VOL II Table AOP II-1	Damascus int'l Airport	Apron lighting inadequate	Sep 2003	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	A
2	MID eANP VOL II Table AOP II-1	Damascus int'l Airport	Runway surface rough and damaged. Runway markings unsatisfactory	Sep 2003	-	F H	Corrective Action Plan has not been formally	Syria	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

							provided by the State			
3	ANNEX 14 VOL I: Para. 1.4	ALEPPO/Aleppo Intl (OSAP), DAMASCUS/ Damascus Intl (OSDI), LATTAKIA /Bassel AL-Assad Intl (OSLK)	Implementation of Certification of Aerodromes used for international operations	Nov 2006	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	A

Deficiencies in the AOP field

YEMEN

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 14 VOL I: Para. 1.4	ADEN/Aden Intl (OYAA), HODEIDAH/ Hodeidah Intl (OYHD), MUKALLA/Riyan Intl (OYRN), SANA'A/Sana'a Intl (OYSN), TAIZ/ Taiz Intl (OYTZ)	Implementation of Certification of Aerodromes used for international operations	Nov 2006	-	F H	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2021	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

APPENDIX C

Deficiencies in the ATM 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	MID ANP TABLE ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS routes A418/UP574 not implemented	Dec 2006	KUMUN-PAPAR segment not implemented.	S O	Corrective Action Plan has not been formally provided by the State	Iran- UAE	Dec 2021	B

Deficiencies in the ATM 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	MID ANP Table ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS route G667 not implemented	Sep 2006	Segment ALSAN-ABD not implemented	S	Corrective Action Plan has not been formally provided by the State	Iraq- Iran- Kuwait	Dec 2021	B
2	Annex 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Nov 2006	Contingency Agreement to be signed with Syria	S	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

3	MID ANP Table ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS route G795 not implemented	May 2008	RAF-BSR segment not implemented	S	Corrective Action Plan has not been formally provided by the State	Iraq- Saudi Arabia	Dec 2021	B
4	MID ANP Table ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS route A424 not implemented	May 2008	LOTAN-LOVEK segment not implemented	O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021	B

Deficiencies in the ATM 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 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Nov 2006	Contingency agreements not signed with Syria.	H	Corrective Action Plan has not been formally provided by the State. State comment: due to political impact in the region Jordan is not able to complete the signature of contingency agreements with all adjacent States	Jordan	Dec 2021	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

Deficiencies in the ATM 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 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Nov 2006	Contingency agreements not signed with Syria	S	Corrective Action Plan has not been formally provided by the State	Lebanon	Dec 2021	A

Deficiencies in the ATM 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 11 Para 3.3.5.1	-	Not reporting the required data to the MIDRMA in a timely manner.	Dec 2013	-	H O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021	A
2	Annex 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public	Dec 2014	Agreement signed only with Egypt	S O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

health emergencies. Contingency agreements should be signed with all adjacent ACCs

Deficiencies in the ATM field

QATAR

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 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Nov 2006	Contingency agreements not signed with UAE.	S	Corrective Action Plan has not been formally provided by the State	Qatar-Bahrain	Dec 2021	A

Deficiencies in the ATM field

SAUDI ARABIA

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 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also	Nov 2006	Contingency Agreements not signed with Iraq, Qatar and Sudan.	S	Corrective Action Plan has not been formally provided by the State	Saudi Arabia	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

			address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.						
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Deficiencies in the ATM 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	Annex 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Dec 2014	Contingency Agreement signed only with Egypt	H S O	Corrective Action Plan has not been formally provided by the State	Sudan	Dec 2021	A

Deficiencies in the ATM field
SYRIA

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	MID ANP Table ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS route G202 not implemented	Dec 1997	Segment DAKWE - Damascus not implemented	S	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	B

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

2	MID ANP Table ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS route UL602 not implemented	Dec 2003	Segments ELEXI-DRZ- GAZ not implemented.	S	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	B
3	Annex 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Nov 2006	No signed agreement yet	H O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	A
4	Annex 11 Para 3.3.5.1	-	Reporting unsatisfactory LHDs to MIDRMA	Oct 2013	Syria to coordinate with MIDRMA.	H	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	A

Deficiencies in the ATM field

UAE

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 11 Para. 2.31	-	Development of contingency plan for implementation in the event of disruption or potential disruption of ATS and related supporting services. The Plan should also address natural disasters and public health emergencies. Contingency agreements should be signed with all adjacent ACCs.	Nov 2006	Plan completed and Agreements signed with Bahrain, Iran, Oman and Saudi Arabia. The plan next is to sign with Qatar after the finalisation of the LoA.	O	Corrective Action Plan has not been formally provided by the State	UAE	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

2	MID ANP Table ATM II-MID-1 MID REGION ATS ROUTE NETWORK	-	ATS routes A418/UP574 not implemented	Dec 2006	KUMUN-PAPAR segment not implemented.	S	Corrective Action Plan has not been formally provided by the State	Iran- UAE	Dec 2021	B
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⁽¹⁾ Rationale for non-elimination: “F” = Financial

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

APPENDIX D

Deficiencies in the CNS field
KUWAIT

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	MID eANP VOL II, Table CNS II-2	Inter-regional Communication link with ICAO EUR/NAT Region	The Inter-regional Communication Link between Kuwait COM Centre and one of the entry/exit points of the ICAO EUR/NAT Region is not implemented	Mar 2019	-	O -		Kuwait	Dec 2021	B

Deficiencies in the CNS 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	MID eANP VOL II, Table CNS II-3	ATS Direct Speech circuit Ankara - Beirut	ATS Direct Speech Circuit between Ankara and Beirut is not implemented	Mar 2019	-	O -		Lebanon and Turkey	Dec 2021	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

Deficiencies in the CNS 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	MID eANP Vol II, Table CNS II-4	HF Service	HF Service in Tripoli is unserviceable	Mar 2019	-	O -	Libya	Dec 2021	A	

Deficiencies in the CNS 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	MID eANP VOL II Table CNS II-3	Direct Speech Circuit Muscat-Sana'a	Direct Speech Circuit (LIM-MID-RAN) is required between Muscat and Sana'a	Oct 1998	Under implementation. Oman Ready. Oman and Yemen are working to implement the circuit. The required actions have been implemented.	⊖	Corrective Action Plan has not been formally provided by the State. with regards to the AFTN line the actions were as follows: 1. Agreed with Yemen to re-establish the link. 2. Agreed with Yemen on the equipment to be used as the comms interface. Cisco router was selected with data and voice interfaces. 3. Agreed on the	Oman-Yemen	Dec 2021 Mar 2022	B

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

							configuration. 4. Started testing the link with test messages. 5. Introduced operational test messages. 6. Exchanged operational AFTN messages in June 2021 between the two centers. The actions needed to restore the ATS voice circuit 1. The router configuration and confirmation with Telecom providers in Oman and Yemen agreed. 2. Router configuration updated. 3. Test calls completed successfully. 4. Two voice circuits are introduced through the link. a. One line directly connected between the two ACCs for operational use. b. The other one is connected between the two technical rooms for engineering coordination between the two sides. 5. The lines are put into operation in March 2022.			
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Deficiencies in the CNS field

YEMEN

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	MID eANP VOL II Table CNS II-3	ATS Direct speech Circuits Sana'a-Asmara, Sana'a-Djibouti, Sana'a-Mogadishu, Sana'a-Mumbai and Sana'a-Muscat. ATS Direct speech	ATS Direct speech circuits are not implemented between Sana'a-Mumbai and Sana'a-Muscat. ATS Direct speech circuits are not	Oct 1998	-	O	Corrective Action Plan has not been formally provided by the State	Yemen, India and Oman Yemen and India	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

APPENDIX D

		Circuits Sana'a-Asmara, Sana'a-Djibouti, Sana'a-Mogadishu and Sana'a-Mumbai	implemented between Sana'a-Mumbai a						
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⁽¹⁾ Rationale for non-elimination: “F” = Financial

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

APPENDIX E

Deficiencies in the MET field
BAHRAIN

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 3; Para 9.1.4, 9.3.1, 9.4.1 and Appendix 2, 2.1.1	WAFS forecasts required for briefing and flight documentation	Payment not made on time and SADIS service ceased per contract	Jan 2022	SADIS Provider	F	Coordinate with the SADIS Manager (sadis.manager@metoffice.gov.uk) on payment to resume SADIS service	Jordan	Dec 2022	A

Deficiencies in the MET 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 3: Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep 2014	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021 Dec 2022	A
2	MID eANP VOL II, MET Table II-2	ORBM METAR and 24-hour TAF	ORBM METAR and 24-hour TAF not available internationally	Dec 2019	annual OPMET monitoring	O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021	A
3	Annex 3; Para 9.1.4, 9.3.1, 9.4.1 and Appendix 2, 2.1.1	WAFS forecasts required for briefing and flight documentation	Payment not made on time and SADIS service ceased per contract	Jan 2021	SADIS Provider	F	Coordinate with the SADIS Manager (sadis.manager@metoffice.gov.uk) on payment to resume SADIS service	Iraq	Dec 2022	A

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

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

Deficiencies in the MET 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 3; Para 9.1.4, 9.3.1, 9.4.1 and Appendix 2, 2.1.1	WAFS forecasts required for briefing and flight documentation	Payment not made on time and SADIS service ceased per contract	Jan 2022	SADIS Provider	F	Coordinate with the SADIS Manager (sadis.manager@metoffice.gov.uk) on payment to resume SADIS service	Jordan	Dec 2022	A

Deficiencies in the MET 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 3: Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep 2014	(USOAP - CMA finding)	O	Corrective Action Plan has not been formally provided by the State	Lebanon	Dec 2021 Dec 2022	A
2	Annex 3: Para. 9.1.4, 9.3.1, 9.4.1 and Appendix 2, 2.1.1	WAFS forecasts required for briefing and flight documentation	SADIS FTP not available Payment not made on time and SADIS service ceased by contract	May 2016	(METP WG-MOG: Status of implementation of SADIS FTP)	O	Corrective Action Plan has not been formally provided by the State Coordinate with the SADIS Manager (sadis.manager@metoffice.gov.uk) on payment to resume SADIS service	Lebanon	Dec 2021 Dec 2022	A

Deficiencies in the MET field

LIBYA

(1) 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	Facilities/ Services	Executing body	Date of completion	Priority for action
1	Annex 3: Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep 2014	(USOAP - CMA finding) O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021 Dec 2022	A
2	Annex 3, Para 9.1.4, 9.3.1, 9.4.1 and Appendix 2, 2.1.1	WAFS forecasts required for briefing and flight documentation	SADIS FTP not available SADIS FTP not available due to necessary hardware and software not available	Jan 2019	(METP WG-MOG: Status of implementation of SADIS FTP) O	Corrective Action Plan has not been formally provided by the State ICAO MID RO, SADIS Provider and Libya to coordinate on obtaining the necessary hardware and software to retrieve SADIS	Libya	Dec 2021 Dec 2022	A
3	MID eANP VOL II, MET Table II-2	HLLB and HLLT METAR and 24-hour TAF; HLLS METAR	HLLB and HLLT METAR and 24-hour TAF; HLLS METAR not available internationally	Nov 2021	ROC Jeddah monthly OPMET monitoring S	ICAO RO and Libya will investigate a method to disseminate OPMET data internationally as a contingency arrangement when AFS is not available	Libya	Dec 2022	A

Deficiencies in the MET 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 3: Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep 2014	(USOAP - CMA finding) O	Corrective Action Plan has not been formally provided by the State	Oman	Dec 2021	A

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

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Deficiencies in the MET 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	MID eANP VOL II, MET Table II-2	HSSK and HSPN METAR and 30-hour TAF; HSOB and HSNN METAR	HSSK and HSPN METAR and 30-hour TAF; HSOB and HSNN METAR not available internationally	Oct 2021	ROC Jeddah monthly OPMET monitoring	S	Corrective Action Plan has not been formally provided by the State	Sudan	Dec 2022	A

Deficiencies in the MET field

SYRIA

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	MID eANP VOL II, MET Table II-2	OSAP METAR and 24-hour TAF	OSAP METAR and 24-hour TAF not available internationally	Nov 2013	-	O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021 Dec 2022	A
2	Annex 3: Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep 2014	(USOAP - CMA finding)	O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021 Dec 2022	A
3	Annex 3; Para 7.1	SIGMET implementation	Non-issuance of SIGMET information	Nov 2017	(USOAP – CMA finding)	O	Corrective Action Plan has not been formally provided by the State Corrective Action Plan has not been formally provided by the State Consider bi-lateral arrangement	Syria	Dec 2021 Dec 2022	A

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

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

Deficiencies in the MET field									
YEMEN									
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 3: Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep 2014	-	<p>Corrective Action Plan has not been formally provided by the State</p> <p>A contract is being signed with an external quality consultant to assist in establishment & implementation of QMS in the provision of MET service by the end of year 2022.</p>	Yemen	Dec 2021 Dec 2022	A
2	Annex 3; Para 7.1	SIGMET implementation	Non-issuance of SIGMET information	Nov 2017	-	<p>Corrective Action Plan has not been formally provided by the State</p> <p>All OPMET (SIGMET) information is issued internally but not transmitted internationally due to war, considering a reconnection with another MET regional centre other than Jeddah.</p>	Yemen	Dec 2021 Dec 2022	A
3	MID eANP VOL II, MET Table II-2	OYAA METAR and 30-hour TAF; OYHD, OYRN, OYSN, OYTYZ METAR and 24-hour TAF	OYAA METAR and 30-hour TAF; OYHD, OYRN, OYSN, OYTYZ METAR and 24-hour TAF not available internationally	Dec 2019	annual OPMET monitoring	<p>Corrective Action Plan has not been formally provided by the State</p> <p>All OPMET information is issued internally but not transmitted internationally due to war, considering a reconnection with another MET regional centre other than Jeddah.</p>	Yemen	Dec 2021 Dec 2022	A

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

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

APPENDIX F

Deficiencies in the SAR 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 12 Para. 2.1	-	Lack of provision of required SAR services	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021	A
2	Annex 6 Part I, Chap.6 and Part II Chap. 2 Annex 10, Vol III, Chap. 5 Annex 12 para. 2.6.4	ELT	Non-compliance with carriage of Emergency Locator Transmitter (ELT) requirements	Apr 2012	-	Ø	Corrective Action Plan has not been formally provided by the State	Iraq	Dec 2021	A

Deficiencies in the SAR field

KUWAIT

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 6 Part I chap. 6 and Part II chap. 2 Annex 10, Vol III, Chap. 5 Annex 12 para. 2.6.4	ELT	Non-compliance with carriage of Emergency Locator Transmitter (ELT) requirements	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Kuwait	Dec 2021	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

Deficiencies in the SAR 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 12 Para. 2.1	-	Lack of provision of required SAR services	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Lebanon	Dec 2021	A

Deficiencies in the SAR 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 6 Part I chap. 6 and Part II chap. 2 Annex 10, Vol III, Chap. 5 Annex 12 para. 2.6.4	-	Non-compliance with carriage of Emergency Locator Transmitter (ELT) requirements	Dec 2014	-	H S O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021	A
2	Annex 12 Para. 2.1	-	Lack of provision of required SAR services	Dec 2014	-	H S O	Corrective Action Plan has not been formally provided by the State	Libya	Dec 2021	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

Deficiencies in the SAR field

SYRIA

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 12 Para. 2.1	-	Lack of provision of required SAR services	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	A
2	Annex 6 Part I chap. 6 and Part II chap. 2 Annex 10, Vol III, Chap. 5 Annex 12 para. 2.6.4	-	Non-compliance with carriage of Emergency Locator Transmitter (ELT) requirements	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Syria	Dec 2021	A

Deficiencies in the SAR field

YEMEN

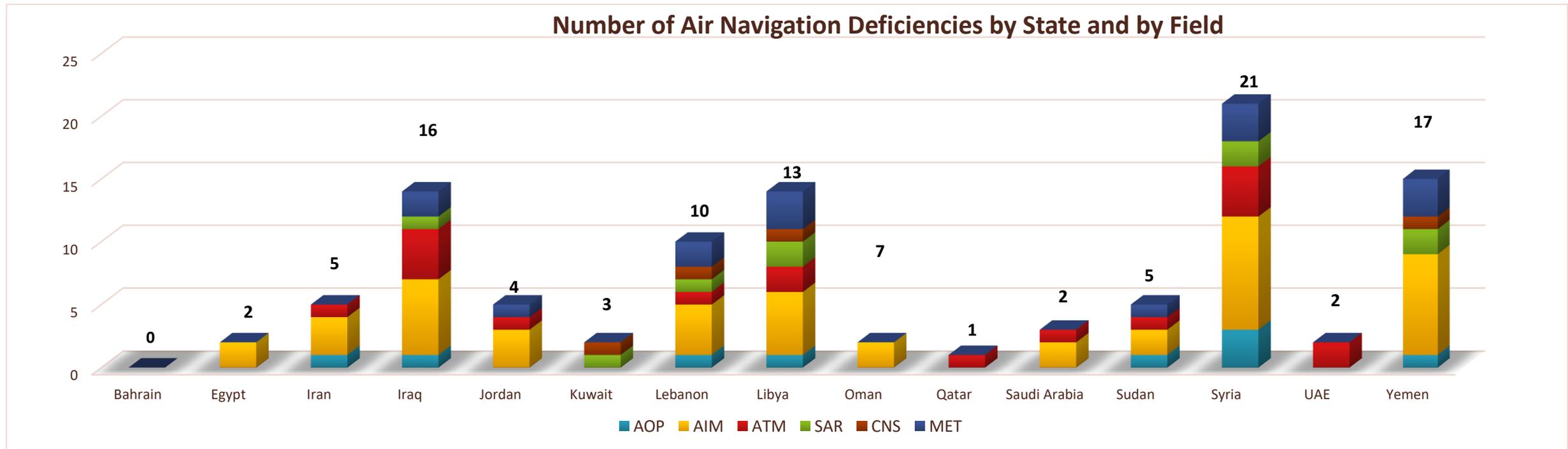
Item No	Identification		Deficiencies				Corrective Action			
	Requirement	Facilities/ Services	Description	Date first reported	Remarks/ Rationale for non-elimination		Facilities/ Services	Executing body	Date of completion	Priority for action
1	Annex 12 Para. 2.1	-	Lack of provision of required SAR services	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2021	A
2	Annex 6 Part I chap. 6 and Part II chap. 2 Annex 10, Vol III, Chap. 5 Annex 12 para. 2.6.4	-	Non-compliance with carriage of Emergency Locator Transmitter (ELT) requirements	Apr 2012	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	Dec 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes



Deficiencies to be approved by MIDANPIRG/20

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen	Total
AOP	0	0	1	1	0	0	1	1	0	0	0	1	3	0	1	9
AIM	0	2	3	6	3	0	4	5	2	0	2	2	9	0	8	46
ATM	0	0	1	4	1	0	1	2	0	1	1	1	4	2	0	18
SAR	0	0	0	1	0	1	1	2	0	0	0	0	2	0	2	9
CNS	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	4
MET	0	0	0	2	1	0	2	3	0	0	0	1	3	0	3	15
TOTAL	0	2	5	14	5	2	10	14	2	1	3	5	21	2	15	101

Deficiencies approved by MIDANPIRG/19

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen	Total
AOP	0	0	1	1	0	0	1	1	0	0	0	1	3	0	1	9
AIM	0	2	3	6	3	0	4	6	3	0	2	2	9	2	8	50
ATM	0	0	1	4	1	0	1	2	0	1	1	1	4	2	0	18
SAR	0	0	0	2	0	1	1	2	0	0	0	0	2	0	2	10
CNS	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	5
MET	0	0	0	2	0	0	2	2	1	0	0	0	3	0	3	13
TOTAL	0	2	5	15	4	2	10	14	5	1	3	4	21	4	15	105

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen	Total
MIDANPIRG/19 deficiencies	0	2	5	15	4	2	10	14	5	1	3	4	21	4	15	105
MIDANPIRG/20 deficiencies	0	2	5	15	5	2	10	14	3	1	3	5	21	2	15	101

