



*International Civil Aviation Organization*

**MIDANPIRG/19 and RASG-MID/9 Meetings**

*(Riyadh, Saudi Arabia, 14-17 February 2022)*

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**Agenda Item 5.10: 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/18 & RASG-MID/8 Report (Virtual Meetings, 15 – 22 February 2021)
- AIM SG/8 Report (Virtual Meetings, 13 – 15 September 2021)
- ASPIG/3 Report (Virtual Meeting, 25-27 October 2021)
- ATM SG/7 Report (Virtual Meeting, 15 – 18 November 2021)
- CNS SG/10 Report (Virtual Meeting, 1 – 3 December 2020)
- MET SG/9 Report (Virtual Meeting, 7 – 9 December 2020)

**1. INTRODUCTION**

1.1 The meeting may wish to note that MIDANPIRG/18 meeting (Virtual Meeting, 15 – 22 February 2021), 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 MANDD, was 107 deficiencies compared to 104 deficiencies approved by MIDANPIRG/17 (Cairo, Egypt, 15-18 April 2019).

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

1.3 The MIDANPIRG/18 meeting noted with concern that the majority of deficiencies listed in the MANDD 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-two (52)**; forty-six (46) priority “A” and six (6) priority “B”. Twenty-four (24) deficiencies related to eTOD; six (6) related to QMS; five (5) related to AIXM; six (6) related to WAC; three (3) related to pre-flight information services; three (3) related to AIP and aeronautical charts; three (3) related to AIRAC adherence; and two (2) related to WGS-84.

Deficiencies related to Lack of QMS implementation reported against Sultanate of Oman and Non-production of Instrument Approach Chart-ICAO for Mousl Intl. Airport reported against Iraq are proposed for deletion; and therefore the total number of deficiencies in the AIM field would be **fifty (50)**.

- 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.
- 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.
- 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.

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 **105** deficiencies compared to **107** deficiencies approved by MIDANPIRG/18.
- 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 47.6%, AOP 8.6%, ATM 17.1%, CNS 4.8%, MET 12.4% and SAR 9.5%.
- The distribution of air navigation deficiencies by priority is shown in Appendix G as follows: 0% “U”, 84.76% “A”, and 15.24% “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;
  - iii. submit official Letter with the associated evidences when requesting to eliminate an air navigation deficiency.

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## 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	Description	Executing Body	Date of Completion	Priority for Action	
1	ANNEX 15: Para. 5.3.3.4.3, Para. 5.3.3.4.10  ANNEX 15 16th edition:  5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	Lack of the required Obstacle Datasets for Area 1 and Area 4  Lack of provision of required obstacle data sets	May, 2014  Jan, 2021	-	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)  Corrective Action Plan has not been updated by the State	Egypt	Dec, 2020  Dec, 2022	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
2	ANNEX 15 16th edition: Para. 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	Lack of provision of required terrain data sets	<del>Jan, 2021</del> May 2014	-	O	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	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 15: Para. 2.3.10 and 3.5.3	-	Lack of AIXM-based AIS Database	Dec, 2007	-	O	Corrective Action Plan has not been formally provided by the State	Iran	<del>Dec, 2018</del> Dec, 2021	A
2	ANNEX 15 16th edition: 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.  Corrective Action Plan has not been formally provided by the State	Iran	Dec, 2021	A
3	ANNEX 15 16th edition: 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.  Corrective Action Plan has not been formally provided by the State	Iran	Dec, 2021	A

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

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## 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	Corrective Action Plan has not been formally provided by the State	Iraq	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2023	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	<del>Dec, 2018</del> Dec, 2024	A
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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2022	A
4	ANNEX 4: Para. 11.2	-	Non production of Instrument Approach Chart ICAO for Mousl Intl. Airport	Jan, 2003	-	F H O	Corrective Action Plan has not been formally provided by the State	Iraq	<del>Dec, 2018</del> Dec, 2021	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	<del>Dec, 2018</del> Dec, 2023	A

<sup>(1)</sup> 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	
6	<del>ANNEX 15: Para. 5.3.3.3.2 and 5.3.3.3.8</del> ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	<del>Lack of the required Terrain Datasets for Area 1 and Area 4</del> Lack of provision of required terrain data sets	<del>May, 2014</del> Jan, 2021	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	<del>Dec, 2018</del> Dec, 2024	A
7	<del>ANNEX 15: Para. 5.3.3.4.3 and 5.3.3.4.10</del> ANNEX 15: Para.5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	<del>Lack of the required Obstacle Datasets for Area 1 and Area 4</del> Lack of provision of required obstacle data sets	<del>May, 2014</del> Jan, 2021	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	<del>Dec, 2018</del> Dec, 2024	A

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

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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		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	Corrective Action Plan has not been formally provided by the State	Jordan	<del>Dec, 2018</del> Dec, 2021	B
2	<del>ANNEX 15: Para. 5.3.3.3.2 and 5.3.3.3.8</del> ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3 5.3.3.3.8	-	<del>Lack of the required Terrain Datasets for Area 1 and Area 4</del> Lack of provision of required terrain data sets	<del>May, 2014</del> Jan, 2021	-	F H	Corrective Action Plan has not been formally provided by the State	Jordan	<del>Dec, 2018</del> Dec, 2022	A
3	<del>ANNEX 15: Para. 5.3.3.4.3 and 5.3.3.4.10</del> ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5 5.3.3.4.10	-	<del>Lack of the required Obstacle Datasets for Area 1 and Area 4</del> Lack of provision of required obstacle data sets	<del>May, 2014</del> Jan, 2021	-	F H	Corrective Action Plan has not been formally provided by the State	Jordan	<del>Dec, 2018</del> Dec, 2022	A

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

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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		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	Corrective Action Plan was provided in August 2016.	Lebanon	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	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	<del>Dec, 2018</del> Dec, 2020 Des, 2022	A
3	<del>ANNEX 15: Para. 5.3.3.3.2</del> ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	<del>Lack of the required Terrain Datasets for Area 1</del> Lack of provision of required terrain data sets	May, 2014	-	O	<del>Corrective Action Plan was provided in August 2016.</del> -	Lebanon	<del>Dec, 2018</del> Dec, 2020 Des, 2021	A

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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
4	ANNEX 15: Para. 5.3.3.4.3  ANNEX 15: 5.3.3.4.3 5.3.3.4.5	-	Lack of the required Obstacle Datasets for Area 1  Lack of provision of required obstacle data sets	May, 2014  Jan, 2021	-  O	Corrective Action Plan was provided in August 2016.  -	Lebanon	Dec, 2018  Dec, 2021	A

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

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**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	Corrective Action Plan has not been formally provided by the State	Libya	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	B
2	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A
3	ANNEX 15: Para 6.2	-	Lack of a system for AIRAC adherence monitoring	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Libya	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A
5	<del>ANNEX 15: Para. 5.3.3.3.2</del> ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	<del>Lack of the required Terrain Datasets for Area 1</del> Lack of provision of required terrain data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Libya	<del>Dec, 2018</del> Dec, 2021	A

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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	
6	<p><del>ANNEX 15: Para. 5.3.3.4.3</del></p> <p>ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5</p>	-	<p><del>Lack of the required Obstacle Datasets for Area 1</del></p> <p>Lack of provision of required obstacle data sets</p>	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Libya	<p><del>Dec, 2018</del></p> <p>Dec, 2021</p>	A

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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. 3.6	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	Sep, 2019 Sep, 2020 Jun, 2021	A
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, 2019 Apr, 2021 Dec, 2022	A
3	ANNEX 15: Para. 5.3.3.3.2  ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	Lack of the required Terrain Datasets for Area 1  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 area 1. The target is to have the required data by Dec 2019.	Oman	Dec, 2019 Dec, 2021 Dec, 2022	A

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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	
4	<del>ANNEX 15: Para. 5.3.3.4.3</del>  ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	<del>Lack of the required Obstacle Datasets for Area 1</del>  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	<del>Dec, 2019</del> <del>Dec, 2021</del> Dec, 2022	A

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**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 16th edition: 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, 2021	A
2	ANNEX 15 16th edition: 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	A

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

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“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	<del>ANNEX 15: Para. 5.3.3.3.2</del> ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	<del>Lack of the required Terrain Datasets for Area 1</del> Lack of provision of required terrain data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Sudan	<del>Dec, 2018</del> Dec, 2021	A
2	<del>ANNEX 15: Para. 5.3.3.4.3</del> ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	<del>Lack of the required Obstacle Datasets for Area 1</del> Lack of provision of required obstacle data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Sudan	<del>Dec, 2018</del> Dec, 2021	A

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“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 6.2	-	Lack of a system for AIRAC adherence monitoring	May, 1995	-	F H	Corrective Action Plan has not been formally provided by the State	Syria	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A
2	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	B
3	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A
4	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

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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
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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A
8	<del>ANNEX 15: Para. 5.3.3.3.2</del> ANNEX 15: Para. 5.3.3.3.2 5.3.3.3.3	-	<del>Lack of the required Terrain Datasets for Area 1</del> Lack of provision of required terrain data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Syria	<del>Dec, 2018</del> Dec, 2021	A
9	<del>ANNEX 15: Para. 5.3.3.4.3</del> ANNEX 15: Para. 5.3.3.4.3 5.3.3.4.5	-	<del>Lack of the required Obstacle Datasets for Area 1</del> Lack of provision of required obstacle data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Syria	<del>Dec, 2018</del> Dec, 2021	A

(1) 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
1	ANNEX 15 16th edition: 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 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

<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
2	ANNEX 15 16th edition: 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, 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

<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**

**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 6.2	-	Lack of a system for AIRAC adherence monitoring	May, 1995	-	H O	Corrective Action Plan has not been formally provided by the State	Yemen	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A
2	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	B
3	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A
4	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	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	
7	<del>ANNEX 15- Para. 5.3.3.3.2</del>  ANNEX 15 16th edition:  Para 5.3.3.3.2 5.3.3.3.3	-	<del>Lack of the required Terrain Datasets for Area 1</del>  Lack of provision of required terrain data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A
8	<del>ANNEX 15- Para. 5.3.3.4.3</del>  ANNEX 15 16th edition: Para. 5.3.3.4.3 5.3.3.4.5	-	<del>Lack of the required Obstacle Datasets for Area 1</del>  Lack of provision of required obstacle data sets	May, 2014	-	O	Corrective Action Plan has not been formally provided by the State	Yemen	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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<sup>(1)</sup> 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		Description	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 Khomeini 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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A

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

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

## Deficiencies in the AOP 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 14 VOL I: Para. 1.4	Al Najaf/Al Najaf Intl (ORNI), BASRAH/Basrah Intl (ORMM), <del>MOUSL/Mousl Intl (ORBM),</del> SULYMANIYA H/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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the AOP 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 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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

## Deficiencies in the AOP 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 14 VOL I: Para. 1.4	BENGAZI/Be nina (HLLB), SEBHA/Sebha (HLLS), TRIPOLI/Tripol i 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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the AOP 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 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	<del>Jan, 2018</del> <del>Jan, 2020</del> <del>Dec 2021</del> Dec, 2022	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

## Deficiencies in the AOP 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	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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	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 provided by the State	Syria	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A
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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

**Deficiencies in the AOP 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 14 VOL I: Para. 1.4	ADEN/Aden Intl (OYAA), HODEIDAH/ Hodeidah Intl (OYHD), MUKALLA/Riy an 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	<del>Dec, 2018</del> <del>Dec, 2020</del> <del>Dec, 2021</del> Dec, 2022	A

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<sup>(1)</sup> 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		Description	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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	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	<del>Dec, 2018</del> <del>Dec, 2020</del> 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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	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
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	<del>Dec, 2018</del> <del>Dec, 2020</del> 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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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 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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

<sup>(1)</sup> 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	Description	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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 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	Agreement signed only with Egypt	S O	Corrective Action Plan has not been formally provided by the State	Libya	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A
2	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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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	
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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**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	Description	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	<del>Contingency Agreements not signed with Iraq, Qatar, Sudan and Yemen.</del>  Contingency Agreements not signed with Iraq, Qatar and Sudan.	S	Corrective Action Plan has not been formally provided by the State	Saudi Arabia	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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 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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	B
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	<del>Dec, 2018</del> Dec, 2020 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	<del>Dec, 2018</del> 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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**Deficiencies in the ATM 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
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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A
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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	B

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<sup>(1)</sup> 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		Description	Executing Body	Date of Completion	Priority for Action
1	MID eANP VOI 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	<del>Dec, 2019</del> Dec, 2021	B

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

## APPENDIX D

D-2

## Deficiencies in the CNS 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	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	<del>Dec, 2019</del> Dec, 2021	B

<sup>(1)</sup> 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		Description	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	<del>Dec, 2019</del> Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

## APPENDIX D

D-4

## Deficiencies in the CNS 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	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	O	Corrective Action Plan has not been formally provided by the State.	Oman- Yemen	<del>Dec, 2018</del> Dec, 2021	B

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

**Deficiencies in the CNS 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	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 circuits are not implemented between Sana`a-Mumbai and Sana`a-Muscat.	Oct, 1998	-	O	<p><del>Corrective Action Plan has not been formally provided by the State</del></p> <p>Yemen is unable to get their equipment necessary from Djibouti to be installed , nor modernize the existing the NAFISAT system due to the current situation e.g. the siege imposed by the coalition forces. We, however , are in pipeline to connect the ATS direct speed circuit with Muscat</p>	Yemen, India and Oman	<p><del>Dec, 2018</del></p> <p><del>Dec, 2021</del></p> <p>Dec, 2022</p>	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

**APPENDIX E**

**Deficiencies in the MET 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 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	<del>Dec, 2018</del> Dec, 2021	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	<del>Dec, 2019</del> Dec, 2021	A

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

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

## Deficiencies in the MET 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	<del>ANNEX 15- Para. 3.6</del> 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	<del>Dec, 2018</del> Dec, 2021	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	May, 2016	-	O	Corrective Action Plan has not been formally provided by the State	Lebanon	<del>Dec, 2018</del> Dec, 2021	A

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

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the MET 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 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	<del>Dec, 2018</del> Dec, 2021	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	Jan, 2019	Status of Implementation of SADIS	O	Corrective Action Plan has not been formally provided by the State	Libya	<del>Dec, 2019</del> Dec, 2021	A

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

“H”= Human Resources

“S”= State (Military/political)

“O”= Other unknown causes

## Deficiencies in the MET 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 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	<del>Dec, 2018</del> Dec, 2021	A

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

"H"= Human Resources

"S"= State (Military/political)

"O"= Other unknown causes

**Deficiencies in the MET 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	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	<del>Dec, 2018</del> Dec, 2021	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	<del>Dec, 2018</del> Dec, 2021	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	Syria	<del>Dec, 2019</del> Dec, 2021	A

<sup>(1)</sup> 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	Description	Executing Body	Date of Completion	Priority for Action	
1	Annex 3; Para 2.2	QMS Implementation	Lack of Implementation of QMS	Sep, 2014	-	Ø F H	<del>Corrective Action Plan has not been formally provided by the State.</del> 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	Yemen	<del>Dec, 2018</del> <del>Dec, 2021</del> Dec, 2022	A
2	Annex 3; Para 7.1	SIGMET implementation	Non-issuance of SIGMET information	Nov, 2017	-	Ø S	<del>Corrective Action Plan has not been formally provided by the State</del> All OPMET (including SIGMET) information is issued internally but not transmitted internationally due to war, considering a reconnection with another MET regional centre other than Jeddah.	Yemen	<del>Dec, 2019</del> <del>Dec, 2021</del> Dec, 2022	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
3	MID eANP VOL II, MET Table II-2	OYAA METAR and 30-hour TAF; OYHD, OYRN, OYSN, OYTZ METAR and 24-hour TAF	OYAA METAR and 30-hour TAF; OYHD, OYRN, OYSN, OYTZ METAR and 24-hour TAF not available internationally	Dec, 2019	annual OPMET monitoring	Ø S	<del>Corrective Action Plan has not been formally provided by the State</del>  All OPMET information is issued internally but not transmitted internationally due to war, considering a reconnection with another MET regional center other than Jeddah.	Yemen	<del>Dec, 2019</del> <del>Dec, 2021</del> Dec, 2022	A

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<sup>(1)</sup> 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		Description	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	<del>Dec, 2018</del> Jun, 2020 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	-	O	Corrective Action Plan has not been formally provided by the State	Iraq	<del>Dec, 2018</del> Jun, 2020 Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

## Deficiencies in the SAR Field

## KUWAIT

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 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	<del>Dec, 2018</del> Jun, 2020 Dec, 2021	A

<sup>(1)</sup> 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		Description	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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

## Deficiencies in the SAR 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 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	<del>Dec, 2018</del> Dec, 2020 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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	A

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

“H” = Human Resources

“S” = State (Military/political)

“O” = Other unknown causes

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## Deficiencies in the SAR 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 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	<del>Dec, 2018</del> <del>Dec, 2020</del> 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	<del>Dec, 2018</del> <del>Dec, 2020</del> Dec, 2021	A

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

"H" = Human Resources

"S" = State (Military/political)

"O" = Other unknown causes

## Deficiencies in the SAR 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 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	<del>Dec, 2018</del> Dec, 2020 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	<del>Dec, 2018</del> Dec, 2020 Dec, 2021	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.**

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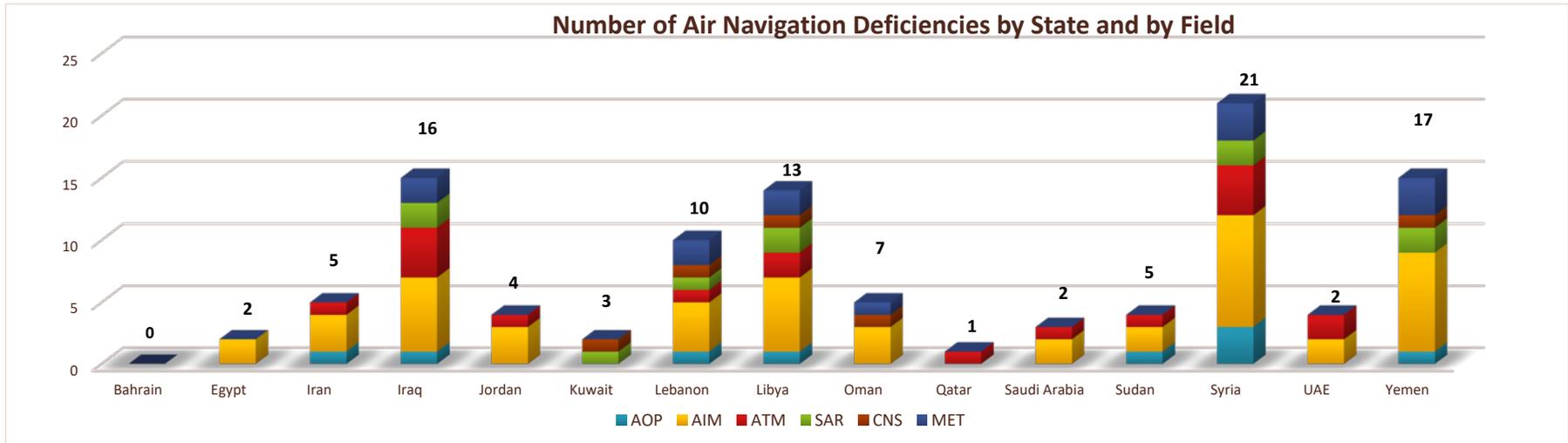
<sup>(1)</sup> Rationale for non-elimination: “F” = Financial

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“S” = State (Military/political)

“O” = Other unknown causes





Deficiencies to be 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
<b>TOTAL</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>15</b>	<b>4</b>	<b>2</b>	<b>10</b>	<b>14</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>21</b>	<b>4</b>	<b>15</b>	<b>105</b>

Deficiencies approved by MIDANPIRG/18

	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	7	3	0	4	6	4	0	2	2	9	2	8	52
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
<b>TOTAL</b>	0	2	5	16	4	2	10	14	6	1	3	4	21	4	15	107

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen	Total
MIDANPIRG/18 deficiencies	0	2	5	16	4	2	10	14	6	1	3	4	21	4	15	107
MIDANPIRG/19 deficiencies	0	2	5	15	4	2	10	14	5	1	3	4	21	4	15	105

