



International Civil Aviation Organization

**Ninth Meeting of MIDANPIRG AIM Sub-Group (AIM SG/9)**

*(Virtual Meeting, 20 - 21 September 2022)*

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**Agenda Item 4: AIM Planning and Implementation in the MID Region**

**ASBU THREAD DAIM IMPLEMENTATION MONITORING &  
MID AIR NAVIGATION REPORT**

*(Presented by the Secretariat)*

**SUMMARY**

This paper provides an update on the ASBU monitoring and reporting in the MID Region (DAIM), through the MID Region Air Navigation Report and the MID eANP Volume III.

Action by the meeting is at paragraph 3.

**REFERENCES**

- MIDANPIRG CONCLUSION 18/12: REVISED MID AIR NAVIGATION STRATEGY
- MIDANPIRG CONCLUSION 18/10: THE MID REGION AIR NAVIGATION REPORT – 2021
- MIDANPIRG CONCLUSION 9/5: WEB-BASED MID REGION AIR NAVIGATION REPORT (2021)
- MIDANPIRG CONCLUSION 9/6: WEB-BASED MID REGION AIR NAVIGATION REPORT (2022)
- ICAO MID AIR NAVIGATION PLAN (DOC 9708) - eANP VOLUME III
- MIDANPIRG PROCEDURAL HANDBOOK (MID DOC 001)

**1. INTRODUCTION**

1.1 The meeting may wish to recall that the MIDANPIRG/18 meeting endorsed the Revised MID Region Air Navigation Strategy (ICAO MID Doc 002) and its alignment with the 6th edition of the GANP.

1.2 The MID Region Air Navigation Strategy (MID Doc 002) is available at:  
<https://www.icao.int/MID/MIDANPIRG/Documents/eDocuments/MID%20Doc%20002%20-%20MID%20Air%20Navigation%20Strategy%20-%20Feb%202021.pdf>

1.3 It should be noted that a Web-based MID Air Navigation Report has been developed to increase users' engagement, improve information accessibility and increase visibility.

1.4 The meeting may wish to recall that the MIDANPIRG/18 reviewed and updated the MID eANP Volume III taking into consideration of the changes brought by the ICAO GANP 6th edition and the revised version of the MID Air Navigation Strategy (MID Doc 002).

1.5 The MID eANP Volume III is posted at:

<https://www.icao.int/MID/Documents/eANP/MID%20eANP%20VOL%20III.pdf>.

## 2. DISCUSSION

### *MID eANP Volume III*

2.1 In line with AIM SGG responsibilities towards MIDANPIRG, the meeting should review and provide updates (as appropriate) to ICAO MID Air Navigation Plan (Doc 9708) - eANP Volume III (DAIM Tables) as **at Appendix A**, including :

- Table -MID-DAIM-3-1 Provision of AIS/AIM products and services based on the Integrated Aeronautical Information Database (IAID)
- Table -MID- DAIM-3-2 Aeronautical Data Quality
- Table -MID DAIM-3-3 World Geodetic System-1984 (WGS-84)
- Table - MID-DAIM- 3-4-1 Provision of Terrain and Obstacle data sets for Areas 1 and 4
- Table - MID- DAIM-3-4-2 Provision of Terrain and Obstacle data sets for Area 2, the take-off flight path area (TOFP) and the obstacle limitation surfaces (OLS)
- Table - MID- DAIM-3-4-3 Provision of Terrain and Obstacle data sets for Area 3 and Airport Mapping Databases (AMDB)

### *Sixth edition of the MID Region Air Navigation Report (2021)*

2.2 The meeting may wish to note that the MIDANPIRG/19 meeting reviewed and, through MIDANPIRG Conclusion 19/5, endorsed the Web-based MID Air Navigation Report (2021). The link to the web-based report 2021 is <https://www.icao.int/MIDANReport/Pages/default.aspx>

### *Seventh edition of the MID Region Air Navigation Report (2021)*

2.3 The MIDANPIRG/19 through CONCLUSION 19/6 urged States to provide the ICAO MID Office with relevant data necessary for the development of the MID Region Air Navigation Report (2022) (Status of ASBU Implementation), by 1 December 2022.

2.4 It should be noted that discrepancies between different sources (AN Report, surveys and eANP) were identified on the status of implementation. It should be recalled that, the Regional Air Navigation Plan formally commits ICAO member States and in this context, the proposed updates should be closely coordinated with the national aviation authorities.

## 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and update the MID eANP Volume III (DAIM Tables), at **Appendix A**;
- b) review and update the DAIM elements of the Web-based MID Air Navigation Report (2021), at **Appendix B**; and
- c) urge States to provide the ICAO MID Office, with relevant data necessary for the development of the MID Region Air Navigation Report (2022), by **1 December 2022**.

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**DAIM Digital Aeronautical Information Management**

In order to assist States in the planning for the transition from AIS to AIM in an expeditious manner, the following Tables, should be used:

- 1- **Table DAIM 3-1** sets out the requirements for the Provision of AIS/AIM products and services based on the Integrated Aeronautical Information Database (IAID). It reflects the transition from the current product centric AIS to data centric AIM. For the future digital environment, it is important that the authoritative databases are clearly designated and such designation must be published for the users. This is achieved with the concept of the Integrated Aeronautical Information Database (IAID), a single access point for one or more authoritative databases (AIP, Terrain, Obstacles, AMDB, data-driven charting, etc.) for which the State is responsible. This Table will be used for the monitoring of the GANP and MID Region Air Navigation Strategy element DAIM-B1/1.
- 2- **Table DAIM 3-2** sets out the requirements for aeronautical data quality. It will be used for the monitoring of the GANP and MID Region Air Navigation Strategy element DAIM-B1/1.
- 3- **Table DAIM 3-3** sets out the requirements for the implementation of the World Geodetic System – 1984 (WGS-84). The requirement to use a common geodetic system remains essential to facilitate the exchange of data between different systems. The expression of all coordinates in the AIP and charts using WGS-84 is an important first step for the transition to AIM. This Table will be used for the monitoring of the GANP and MID Region Air Navigation Strategy element DAIM-B1/1.
- 4- **Table DAIM 3-4-1** sets out the requirements for the provision of Terrain and Obstacle data sets for Area 1 and Area 4. It will be used for the monitoring of the GANP and MID Region Air Navigation Strategy elements DAIM-B1/3 and DAIM-B1/4.
- 5- **Table DAIM 3-4-2** sets out the requirements for the provision of Terrain and Obstacle data sets for Area 2. It will be used for the monitoring of the GANP and MID Region Air Navigation Strategy elements DAIM-B1/3 and DAIM-B1/4.
- 6- **Table DAIM 3-4-3** sets out the requirements for the provision of Terrain and Obstacle data sets for Area 3 and implementation of Airport Mapping Databases (AMDB). It will be used for the monitoring of the GANP and MID Region Air Navigation Strategy elements DAIM-B1/3, DAIM-B1/4 and B1/5.

## Table DAIM 3-1

### Provision of AIS/AIM products and services based on the Integrated Aeronautical Information Database (IAID)

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#### EXPLANATION OF THE TABLE

Column:

- 1 Name of the State or territory for which the provision of AIS/AIM products and services based on the IAID is required.
- 2 Requirement for the implementation and designation of the authoritative IAID, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented

*Note 1 — The IAID of a State is a single access point for one or more databases (AIP, Terrain, Obstacles, AMDB, etc.). The minimum set of databases which should be integrated is defined in Annex 15.*

*Note 2 — The information related to the designation of the authoritative IAID should be published in the AIP (GEN 3.1)*
- 3 Requirement for an IAID driven AIP production, shown by:
  - FI – Fully Implemented (eAIP: Text, Tables and Charts)
  - PI – Partially Implemented
  - NI – Not Implemented

*Note 3 — AIP production includes, production of AIP, AIP Amendments and AIP Supplements*

*Note 4 — Charts' GIS-based database should be interoperable with AIP database*
- 4 Requirement for an IAID driven NOTAM production, shown by:
  - FC – Fully Compliant
  - NC – Not Compliant
- 5 Requirement for an IAID driven SNOWTAM processing, shown by:
  - FI – Fully Implemented
  - NI – Not Implemented
- 6 Requirement for an IAID driven PIB production, shown by:
  - FC – Fully Compliant
  - PC – Partially Compliant
  - NC – Not Compliant
- 7 Requirement for Procedure design systems to be interoperable with the IAID, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented

*Note 5 — full implementation includes the use of the IAID for the design of the procedures and for the storage of the encoded procedures in the IAID*
- 8 Requirement for ATS systems to be interoperable with the IAID, shown by:
  - FI – Fully Implemented

PI – Partially Implemented

NI – Not Implemented

- 9 Action Plan — short description of the State’s Action Plan with regard to the provision of AIM products and services based on the IAID, especially for items with a “PC”, “PI”, “NC” or “NI” status, including planned date(s) of full compliance, as appropriate.
- 10 Remarks — additional information, including detail of “PC”, “NC”, “PI” and “NI”, as appropriate.

**TABLE DAIM-3-1**  
**Provision of AIS/AIM products and services based on the Integrated Aeronautical Information Database (IAID)**

State	IAID	AIP	NOTAM	SNOWTAM	PIB	Procedure Design	ATS	Action Plan	Remarks
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
BAHARAIN	FI	FI	FC	FI	FC	FI	FI		<b>AIXM: 5.1</b>
EGYPT	FI	PI	FC	FI	FC	PI	PI		<b>AIXM: 5.1</b> (by 2020) 3 and 7 by 2020
IRAN,	NI	NI	NC	NI	NC	NI	NI		<b>AIXM: NI</b> Separate semi-automated NOTAM/SNOWTAM system is operative
IRAQ	NI	NI	NC	NI	NC	NI	NI		<b>AIXM: NI</b>
JORDAN	FI	NI	FC	FI	FC	NI	NI	2021	<b>AIXM: 4.5</b> (through EAD)
KUWAIT	NI	NI	FC	NI	PC	NI	NI		<b>AIXM: NI</b> (5.1 in progress)
LEBANON	NI	NI	NC	NI	NC	NI	NI		<b>AIXM: 4.5</b>
LIBYA	NI	NI	NC	NI	NC	NI	NI		<b>AIXM: NI</b>
OMAN	NI	NI	NC	NI	NC	NI	NI	Apr 2021	<b>AIXM: NI</b> (5.1 in progress)
QATAR	PI	PI	FC	NI	FC	PI	NI	2021 – Data Integration (AIP, Terrain, Obstacle, Procedure Design and AMDB)	<b>AIXM: 5.1</b>
SAUDI ARABIA	NI	NI	NC	NI	NC	NI	NI	AIXM 5.1 & NOTAM: 2020	<b>AIXM: 4.5</b>
SUDAN	FI	FI	FC	NI	FC	FI	FI		<b>AIXM: 5.1</b>
SYRIA	NI	NI	NC	NI	NC	NI	NI	No Action Plan	<b>AIXM: NI</b>
UAE	FI	FI	NC	NI	PC	NI	PI	AMDB: 2016-2021; PIB: AVBL at OMAA, OMDB,	<b>AIXM: 5.1.1</b>

<b>State</b>	<b>IAID</b>	<b>AIP</b>	<b>NOTAM</b>	<b>SNOWTAM</b>	<b>PIB</b>	<b>Procedure Design</b>	<b>ATS</b>	<b>Action Plan</b>	<b>Remarks</b>
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
								OMDW, OMFJ, other ADs 2020; Procedure Design 2020; ATS: ACC AVBL, ADs 2020 Digital NOTAM: 2016-2021	
YEMEN	NI	NI	NC	NI	NC	NI	NI	No Action Plan	<b>AIXM:</b> NI

## Table DAIM-3-2 Aeronautical Data Quality

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### EXPLANATION OF THE TABLE

Column:

- 1 Name of the State or territory.
- 2 Compliance with the requirement for implementation of QMS for Aeronautical Information Services including safety and security objectives, shown by:
  - FC – Fully compliant
  - NC – Not compliant
- 3 Compliance with the requirement for the establishment of formal arrangements with approved data originators concerning aeronautical data quality, shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 4 Implementation of digital data exchange with originators, shown by:
  - FI – Implemented
  - PI – Partially Implemented
  - NI – Not implemented

*Note 1 — Information providing detail of “PI” and “NI” should be given in the Remarks column (percentage of implementation).*
- 5 Compliance with the requirement for metadata, shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 6 Compliance with the requirements related to aeronautical data quality monitoring (accuracy, resolution, timeliness, completeness), shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 7 Compliance with the requirements related to aeronautical data integrity monitoring, shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 8 Compliance with the requirements related to the AIRAC adherence, shown by:
  - FC – Fully compliant
  - NC – Not compliant
- 9 Action Plan — short description of the State’s Action Plan with regard to aeronautical data quality requirements implementation, especially for items with a “PC”, “PI”, “NC” or “NI” status, including planned date(s) of full compliance, as appropriate.
- 10 Remarks — additional information, including detail of “PC”, “NC”, “PI” and “NI”, as appropriate.



**TABLE DAIM-3-2**  
**Aeronautical Data Quality**

	QMS	Establishment of formal agreements	Digital data exchange with originators	Metadata	Data quality monitoring	Data integrity monitoring	AIRAC adherence	Action Plan	Remarks
State	2	3	4	5	6	7	8	9	10
BAHARAIN	FC	FC	FI	FC	FC	FC	FC		
EGYPT	FC	FC	PI	FC	PC	PC	FC	4, 6 and 7 by 2022	
IRAN,	FC	PC	NI	NC	FC	FC	FC		
IRAQ	NC	PC	NI	NC	NC	NC	FC		
JORDAN	FC	PC	NI	FC	FC	FC	FC	3, 4: 2021	
KUWAIT	FC	PC	NI	NC	NC	NC	FC		
LEBANON	NC	PC	NI	PC	PC	PC	FC		
LIBYA	NC	NC	NI	NC	NC	NC	NC	No Action Plan	
OMAN	NC	PC	NI	NC	PC	PC	FC	Apr 2021	
QATAR	FC	PC	NI	FC	FC	FC	FC	4: 2021, 3: 2020	
SAUDI ARABIA	FC	FC	NI	FC	FC	FC	FC	4: 2020	
SUDAN	FC	FC	PI	FC	FC	FC	FC	4: 2021	
SYRIA	NC	NC	NI	NC	NC	NC	NC	No Action Plan	
UAE	FC	PC	PI	FC	FC	FC	FC	4: implemented for some of internal stakeholders. Completion by 2020	
YEMEN	NC	NC	NI	PC	NC	NC	NC	No Action Plan	

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## Table DAIM-3-3

### World Geodetic System-1984 (WGS-84)

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#### EXPLANATION OF THE TABLE

Column:

- 1 Name of the State or territory for which implementation of WGS-84 is required.
- 2 Compliance with the requirements for implementation of WGS-84 for FIR and En-route points, shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 3 Compliance with the requirements for implementation of WGS-84 for Terminal Areas (arrival, departure and instrument approach procedures), shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 4 Compliance with the requirements for implementation of WGS-84 for Aerodrome, shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 5 Compliance with the requirements for implementation of Geoid Undulation, shown by:
  - FC – Fully compliant
  - PC – Partially compliant
  - NC – Not compliant
- 6 Action Plan — short description of the State’s Action Plan with regard to WGS-84 implementation, especially for items with a “PC”, “PI”, “NC” or “NI” status, including planned date(s) of full compliance, as appropriate.
- 7 Remarks — additional information, including detail of “PC” and “NC”, as appropriate.

**TABLE DAIM-3-3**  
**World Geodetic System-1984 (WGS-84)**

<b>State</b>	<b>FIR/ENR</b>	<b>Terminal</b>	<b>AD</b>	<b>GUND</b>	<b>Action Plan</b>	<b>Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
BAHARAIN	FC	FC	FC	FC		
EGYPT	FC	FC	FC	FC		
IRAN	FC	FC	FC	FC		
IRAQ	FC	FC	FC	NC		
JORDAN	FC	FC	FC	FC		
KUWAIT	FC	FC	FC	FC		Last survey FEB 2015
LEBANON	FC	FC	FC	FC		
LIBYA	PC	PC	NC	NC	No Action Plan	
OMAN	FC	FC	FC	FC		
QATAR	FC	FC	FC	FC		Annual Validation/Survey
SAUDI ARABIA	FC	FC	FC	FC		
SUDAN	FC	FC	FC	FC		
SYRIA	FC	FC	FC	NC	No Action Plan	
UAE	FC	FC	FC	FC		
YEMEN	FC	FC	FC	FC		

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## **Table DAIM-3-4-1**

### **Provision of Terrain and Obstacle data sets for Areas 1 and 4**

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#### **EXPLANATION OF THE TABLE**

Column

- 1 Name of the State or territory for which Terrain and Obstacle data sets for Areas 1 and 4 are required.
- 2 Compliance with requirement for the provision of Terrain data sets for Area 1, shown by:
  - FC – Fully Compliant
  - PC – Partially Compliant
  - NC – Not Compliant
- 3 Compliance with requirement for the provision of Terrain data sets for Area 4, shown by:
  - FC – Fully Compliant
  - PC – Partially Compliant
  - NC – Not Compliant
  - N/A – Not Applicable
- 4 Compliance with requirement for the provision of Obstacle data sets for Area 1, shown by:
  - FC – Fully Compliant
  - PC – Partially Compliant
  - NC – Not Compliant
- 5 Compliance with requirement for the provision of Obstacle data sets for Area 4, shown by:
  - FC – Fully Compliant
  - PC – Partially Compliant
  - NC – Not Compliant
  - N/A – Not Applicable
- 6 Action plan — short description of the State’s Action Plan with regard to compliance with the requirements for provision of Terrain and Obstacle data sets for Areas 1 and 4, especially for items with a “PC” or “NC” status, including planned date(s) of full compliance, as appropriate.
- 7 Remarks— additional information, including detail of “PC” and “NC”, as appropriate.

**TABLE DAIM-3-4-1****Provision of Terrain and Obstacle data sets for Areas 1 and 4**

State	Terrain data sets		Obstacle data sets		Action Plan	Remarks
	Area 1	Area 4	Area 1	Area 4		
1	2	3	4	5	6	7
BAHARAIN	FC	FC	FC	FC		
EGYPT	FC	FC	NC	NC	Completion of area 4 (HECA & HESH): Dec. 2019	
IRAN	FC	FC	FC	FC		
IRAQ	NC	NC	NC	NC		
JORDAN	PC	PC	NC	NC	2021	
KUWAIT	FC	FC	FC	FC		
LEBANON	NC	N/A	NC	N/A	2 & 4: Q2-2019	
LIBYA	NC	N/A	NC	N/A		
OMAN	NC	N/A	NC	N/A	Apr 2021	
QATAR	FC	FC	FC	FC		
SAUDI ARABIA	FC	FC	FC	FC		
SUDAN	NC	N/A	NC	N/A	2021	
SYRIA	NC	N/A	NC	N/A	No Action Plan	
UAE	FC	FC	FC	FC		
YEMEN	NC	N/A	NC	N/A	No Action Plan	

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**Table DAIM-3-4-2**  
**Provision of Terrain and Obstacle data sets for Area 2, the take-off flight path area (TOFP) and the obstacle limitation surfaces (OLS)**

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**EXPLANATION OF THE TABLE**

Column

- 1 Name of the State or territory for which Terrain and Obstacle data sets for Area 2 are required.
- 2 Compliance with requirement for the provision of Terrain data sets for Area 2a, shown by:
  - FC – Fully Compliant
  - PC – Partially Compliant
  - NC – Not Compliant
- 3 Compliance with requirement for the provision of Terrain data sets for Area 2b, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not implemented
  - N/A – Not Applicable
- 4 Compliance with requirement for the provision of Terrain data sets for Area 2c, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable
- 5 Compliance with requirement for the provision of Terrain data sets for Area 2d, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable
- 6 Compliance with requirement for the provision of Terrain data sets for the take-off flight path area (TOFP), shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable
- 7 Compliance with requirement for the provision of Terrain data sets for the obstacle limitation surfaces (OLS) shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable

- 8 Compliance with requirement for the provision of Obstacle data sets for Area 2a, shown by:  
FC – Fully Compliant  
PC – Partially Compliant  
NC – Not Compliant
- 9 Compliance with requirement for the provision of Obstacle data sets for Area 2b, shown by:  
FI – Fully Implemented  
PI – Partially Implemented  
NI – Not implemented  
N/A – Not Applicable
- 10 Compliance with requirement for the provision of Obstacle data sets for Area 2c, shown by:  
FI – Fully Implemented  
PI – Partially Implemented  
NI – Not Implemented  
N/A – Not Applicable
- 11 Compliance with requirement for the provision of Obstacle data sets for Area 2d, shown by:  
FI – Fully Implemented  
PI – Partially Implemented  
NI – Not Implemented  
N/A – Not Applicable
- 12 Compliance with requirement for the provision of Obstacle data sets for the take-off flight path area (TOFP), shown by:  
FI – Fully Implemented  
PI – Partially Implemented  
NI – Not Implemented  
N/A – Not Applicable
- 13 Compliance with requirement for the provision of Obstacle data sets for the obstacle limitation surfaces (OLS), shown by:  
FI – Fully Implemented  
PI – Partially Implemented  
NI – Not Implemented  
N/A – Not Applicable
- 14 Action plan — short description of the State’s Action Plan with regard to compliance with the requirements for provision of Terrain and Obstacle data sets for Area 2, especially for items with a “PC”, “PI”, “NC” or “NI” status.
- 15 Remarks— additional information, including detail of “PC”, “PI” and “NC”, “NI”, as appropriate.

**TABLE DAIM-3-4-2**

**Provision of Terrain and Obstacle data sets for Area 2, the take-off flight path area (TOFP) and the obstacle limitation surfaces (OLS)**

State	Terrain data sets						Obstacle data sets						Action Plan	Remarks
	Area 2a	Area 2b	Area 2c	Area 2d	TOFP	OLS	Area 2a	Area 2b	Area 2c	Area 2d	TOFP	OLS		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BAHARA IN	FC	NI	NI	NI	FI	FI	FC	FI	FI	FI	FI	FI		
EGYPT	PC	PI	PI	PI	NI	NI	NC	NI	NI	NI	NI	NI	To be completed by 2022	
IRAN,	FC	FI	FI	FI	NI	NI	FC	FI	FI	FI	NI	NI		
IRAQ	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	To be completed by 2024	
JORDAN	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	To be completed by 2022	Area 2a, 2b and 2c implemented for OJAI RWY 26R/08L
KUWAIT	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI		
LEBANO N	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	To be completed by Dec 2021	
LIBYA	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	No Action Plan	
OMAN	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	Apr 2021	
QATAR	FC	FI	FI	FI	FI	FI	FC	FI	FI	FI	FI	FI		



SAUDI ARABIA	PC	PI	PI	PI	PI	PI	FC	FI	FI	FI	PI	PI	To be completed by 2021	Obstacle and terrain data sets for area 2a, TOFP and OLS are provided in: OERK, OEDF, OEMA, and OEJN
SUDAN	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	2021	
SYRIA	NC	NI	NI	NI			NC	NI	NI	NI			No Action Plan	
UAE	PC	PI	PI	PI	PI	PI	PC	PI	PI	PI	PI	PI	To be completed by 2020	TOD Area 2 (all sub-areas) survey & data acquisition through international airport service providers
YEMEN	NC	NI	NI	NI	NI	NI	NC	NI	NI	NI	NI	NI	No Action Plan	

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**Table DAIM-3-4-3**  
**Provision of Terrain and Obstacle data sets for Area 3 and Airport Mapping**  
**Databases (AMDB)**

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**EXPLANATION OF THE TABLE**

Column

- 1 Name of the State or territory for which Terrain and Obstacle data sets for Area 3 and AMDB are required.
- 2 Compliance with requirement for the provision of Terrain data sets for Area 3, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable
- 3 Compliance with requirement for the provision of Obstacle data sets for Area 3, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable
- 4 Implementation of AMDB, shown by:
  - FI – Fully Implemented
  - PI – Partially Implemented
  - NI – Not Implemented
  - N/A – Not Applicable
- 5 Action plan — short description of the State’s Action Plan with regard to compliance with the requirements for provision of Terrain and Obstacle data sets for Area 3 and AMDB implementation, especially for items with a “PC”, “PI”, “NC” or “NI” status.
- 6 Remarks— additional information, including detail of “PI” and “NI”, as appropriate.

**TABLE DAIM-3-4-3****Provision of Terrain and Obstacle data sets for Area 3 and Airport Mapping Databases (AMDB)**

<b>State</b>	<b>Terrain data sets (Area 3)</b>	<b>Obstacle data sets (Area 3)</b>	<b>AMDB</b>	<b>Action Plan</b>	<b>Remarks</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
BAHARAIN	NI	FI	NI	To be completed by 2021	
EGYPT	NI	NI	NI	To be completed by 2022	
IRAN	FI	FI	NI	AMDB 2021	
IRAQ	NI	NI	NI		
JORDAN	PI	PI	NI		Area 3 implemented for OJAI RWY 26R/08L
KUWAIT	FI	FI	NI		
LEBANON	NI	NI	NI	Area 3: Q4-2019 AMDB: no plan	
LIBYA	NI	NI	NI	No Action Plan	
OMAN	NI	NI	NI	Apr 2021	
QATAR	FI	FI	PI	AMDB: 2021	
SAUDI ARABIA	PI	PI	NI	Area 3 2022	
SUDAN	NI	NI	NI	2021	
SYRIA	NI	NI	NI	No Action Plan	
UAE	FI	FI	NI	AMDB: completed by 2021	AMDB technical infrastructure (metadata, model) implemented in IAID, pending compatibility analysis AIXM 5.1 with revised AMDB model (RTCA DO-272D) when released.
YEMEN	NI	NI	NI	No Action Plan	

APPENDIX B

MID REGION DAIM IMPLEMENTATION STATUS

Updated on January 2022

STATE	B1/1 Provision of quality-assured aeronautical data and information					%	B1/3 Provision of terrain digital data sets			%	B1/4 Provision of obstacle digital data sets			%	DAIM %
	QMS	WGS-84	AIRAC	AIXM DB	SLA		Area 1	Area 4	2a/TOFP/OLS		Area 1	Area 4	2a/TOFP/OLS		
<b>BHR</b>	FC	FC	FC	FI	FI	100	FC	FC	FI	100	FC	FC	FI	100	<b>100</b>
<b>EGY</b>	FC	FC	FC	NI	FI	80	FC	NC	NI	33.3	NC	NC	NI	0	<b>37.6</b>
<b>IRN</b>	FC	FC	FC	NI	FI	80	FC	FC	NI	66.6	FC	FC	NI	66.6	<b>71</b>
<b>IRQ</b>	NC	NC	FC	NI	NI	20	NC	NC	NI	0	NC	NC	NI	0	<b>6.6</b>
<b>JOR</b>	FC	FC	FC	FI	FI	100	NC	NC	NI	0	NC	NC	NI	0	<b>33.3</b>
<b>KWT</b>	FC	FC	FC	NI	FI	80	FC	FC	NI	66.6	FC	FC	NI	66.6	<b>71</b>
<b>LBN</b>	NC	FC	FC	NI	FC	60	NC	N/A	NI	0	NC	N/A	NI	0	<b>20</b>
<b>LBY</b>	NC	NC	NC	NI	NI	0	NC	N/A	NI	0	NC	N/A	NI	0	<b>0</b>
<b>OMN</b>	FC	FC	FC	NI	FI	80	NC	N/A	NI	0	NC	N/A	NI	0	<b>26.6</b>
<b>QAT</b>	FC	FC	FC	FI	FC	100	FC	FC	FI	100	FC	FC	FI	100	<b>100</b>
<b>SAU</b>	FC	FC	FC	FC	FC	100	FC	N/A	NI	50	FC	N/A	FI	100	<b>83.3</b>
<b>SDN</b>	FC	FC	FC	FI	FI	100	NC	N/A	NI	0	NC	N/A	NI	0	<b>33.3</b>
<b>SYR</b>	NC	NC	NC	NI	NI	0	NC	N/A	NI	0	NC	N/A	NI	0	<b>0</b>
<b>UAE</b>	FC	FC	FC	FI	FI	100	FC	NI	NI	33.3	FC	NI	NI	33.3	<b>55.5</b>
<b>YEM</b>	NC	FC	NC	NI	NI	20	NC	N/A	NI	0	NC	N/A	NI	0	<b>6.6</b>
<b>Regional Implementation</b>						<b>68</b>	<b>Regional Implementation</b>			<b>30</b>	<b>Regional Implementation</b>			<b>31.1</b>	<b>43</b>

	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen
<b>B1/1</b>	Green	Light Green	Light Green	Yellow	Light Green	Green	Yellow	Red	Light Green	Green	Light Green	Green	Red	Light Green	Yellow
<b>B1/3</b>	Green	Light Green	Light Green	Red	Red	Green	Red	Red	Red	Green	Light Green	Red	Red	Green	Red
<b>B1/4</b>	Green	Light Green	Light Green	Red	Red	Green	Red	Red	Red	Green	Light Green	Red	Red	Green	Red
<b>Average Impl.</b>	Green	Light Green	Light Green	Yellow	Yellow	Green	Yellow	Red	Yellow	Green	Light Green	Yellow	Red	Light Green	Yellow

**Average Regional Implementation is 47%**

B-3

Calculation of DAIM implementation (% rate)

**SAMPLE**

<i>B1/1 – Provision of quality-assured aeronautical data and information</i>					
State	Sub-Elements	component	weighting factor	% of implementation	B1/1 implementation $\Sigma (1, 2,3, 4)/4$
X	AIXM			100	100%
	QMS			100	
	WGS-84	horizontal plan (ENR, Terminal, AD)	0,8	100	
		Geoid Undulation	0,2		
	SLA (50% of data originators)			100	
Y	AIXM			0	20%
	QMS			0	
	WGS-84	horizontal plan (ENR, Terminal, AD)	0,8	80	
		Geoid Undulation	0,2		
	SLA (50% of data originators)			0	
Z	AIXM			0	50%
	QMS			100	
	WGS-84	horizontal plan (ENR, Terminal, AD)	0,8	100	
		Geoid Undulation	0,2		
	SLA(50% of data originators)			0	
<b>Regional average Implementation status of DAIM B1/1 (provision of quality-assured aeronautical data and information)</b>					<b><math>\Sigma</math> (%)/number of States = 56%</b>

**Table 2**

**SAMPLE**

State	B1/3 : Provision of digital terrain data sets			% of Terrain digital datasets implementation $\Sigma (1, 2, 4)/3x \%$ or $\Sigma (1, 2)/2x \%$	B1/4: Provision of digital obstacle data sets			% of Terrain digital datasets implementation $\Sigma (1, 2, 4)/3x \%$ or $\Sigma (1, 2)/2x \%$
	Area 1	Area 4	2a/TOFP/OLS		Area 1	Area 4	2a/TOFP/OLS	
<b>X</b>	100%	100%	100%	100%	100%	100%	100%	100%
<b>Y</b>	100%	N/A <sup>1</sup>	0%	50%	0%	0%	0%	0%
<b>Z</b>	100%	50% <sup>2</sup>	40% <sup>3</sup>	63% <sup>4</sup>	100%	0%	20% <sup>5</sup>	40%
<b>Regional average Implementation status of DAIM B1/3 (Provision of Terrain digital datasets)</b>				<b><math>\Sigma (\%)/\text{number of States} = 76.7\%</math></b>	<b>Regional average Implementation status of DAIM B1/4 (Provision of obstacle digital datasets)</b>			<b><math>\Sigma (\%)/\text{number of States} = 46.7\%</math></b>

(1) N/A: Not Applicable

(2) 50% of international aerodrome where digital terrain data sets are provided for Area 4.

(3) 40% of international aerodrome where digital terrain data sets are provided for areas 2a/TOFP/OLS.

(4) 63%: the percentages in the table is calculated as the sum of percentages of implementation (100%+50%+ 40%= 190/3)

(5) 20% of international aerodromes where digital obstacle data sets are provided for areas 2a/TOFP/OLS.