



International Civil Aviation Organization

Fifth Meeting of MIDANPIRG AIM Sub-Group

AIM SG/5
(Cairo, Egypt, 22-24 January 2019)

Agenda Item 5: AIM Planning and Implementation in the MID Region

**ASBU IMPLEMENTATION MONITORING:
MID REGION AIR NAVIGATION REPORT & MID eANP VOL III**

(Presented by the Secretariat)

SUMMARY
This paper provides an update on the ASBU implementation in the MID Region (B0-DATM), through the MID Region Air Navigation Report and the MID eANP Volume III.
Action by the meeting is at paragraph 3.
REFERENCES
- MSG/6 Report

1. INTRODUCTION

1.1 The MSG/6 meeting endorsed the Second Edition of the MID Air Navigation Report (2017) and the amendments to the MID eANP Volume III.

2. DISCUSSION

Update to the MID eANP Volume III

2.1 The meeting may wish to recall that the MSG/6 meeting, through MSG Conclusion 6/2, agreed to the changes to the MID eANP Vol III, proposed by the AIM SG/4, ATM SG/4, CNS SG/8 and MET SG/7 meetings (Tables B0-ACDM, B0-DATM, B0-FICE, B0-FRTO, B0-NOPS, B0-ACAS, B0-SNET and B0-AMET). Consolidated version of the MID eANP Volume III is available on the ICAO MID website at: www.icao.int/mid

2.2 An extraction of the MID eANP Volume III related to the B0-DATM is at **Appendix A**, for review and update by the meeting.

Second Edition of the MID Air Navigation Report (2017)

2.3 The meeting may wish to note that the MSG/6 meeting reviewed and, through MSG Conclusion 6/3, endorsed the Second Edition of the MID Region Air Navigation Report (2017). The MID Region Air Navigation Report (2017) is available on the ICAO MID website at: www.icao.int/mid

2.4 The meeting may wish to note that Bahrain, Egypt, Jordan, Lebanon, Qatar, Sudan and UAE made a good progress in the implementation of the priority 1 ASBU Block 0 Modules. From a regional perspective, the progress for the implementation of B0-SNET, B0-AMET and B0-ACAS is very good. However, the progress for the implementation of B0-ACDM, B0-CDO and B0-CCO is far below expectation.

Third Edition of the MID Region Air Navigation Report (2018)

2.5 The meeting may wish to recall that the MSG/6 meeting agreed that the ICAO MID Office should start the development of the Third Edition of the MID Region Air Navigation Report (2018), beginning of 2019. Therefore, States should provide the ICAO MID Office, with necessary data by **15 February 2019**. Accordingly, the meeting agreed on the following MSG Conclusion:

MSG CONCLUSION 6/4: MID REGION AIR NAVIGATION REPORT (2018)

That, MID States be urged to provide the ICAO MID Office, with relevant data necessary for the development of the Third Edition of the MID Region Air Navigation Report (2018), by 15 February 2019.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Review and update the MID eANP Volume III (B0-DATM Tables), at **Appendix A**; and
- b) Urge States to provide the ICAO MID Office, with relevant data necessary for the development of the Third Edition of the MID Region Air Navigation Report (2018), by **15 February 2019**.

B0 – DATM: Service Improvement through Digital Aeronautical Information Management

Description and purpose

The initial introduction of digital processing and management of information, through aeronautical information service (AIS)/aeronautical information management (AIM) implementation, use of aeronautical information exchange model (AIXM), migration to electronic aeronautical information publication (AIP) and better quality and availability of data

Main performance impact:

KPA- 01 – Access and Equity	KPA-02 – Capacity	KPA-04 – Efficiency	KPA-05 – Environment	KPA-10 – Safety
N	N	Y	Y	Y

Applicability consideration:

Applicable at State level, with increased benefits as more States participate

<i>B0 – DATM: Service Improvement through Digital Aeronautical Information Management</i>				
Elements	Applicability	Performance Indicators/Supporting Metrics	Targets	Timelines
AIXM	All States	Indicator: % of States that have implemented an AIXM-based AIS database Supporting Metric: Number of States that have implemented an AIXM-based AIS database	80%	Dec. 2018
eAIP	All States	Indicator: % of States that have implemented an IAID driven AIP Production (eAIP) Supporting Metric: Number of States that have implemented an IAID driven AIP Production (eAIP)	80%	Dec. 2020
QMS	All States	Indicator: % of States that have implemented QMS for AIS/AIM Supporting Metric: Number of States that have implemented QMS for AIS/AIM	90%	Dec. 2018
WGS-84	All States	Indicator: % of States that have implemented WGS-84 for horizontal plan (ENR, Terminal, AD) Supporting Metric: Number of States that have implemented WGS-84 for horizontal plan (ENR, Terminal, AD) Indicator: % of States that have implemented WGS-84 Geoid Undulation Supporting Metric: Number of States that have implemented WGS-84 Geoid Undulation	Horizontal: 100% Vertical: 90%	Dec. 2018 Dec. 2018

Agreement with data originators	All States	<p>Indicator: % of States that have signed Service Level Agreements (SLA) with at least 50% of their AIS data originators</p> <p>Supporting Metric: Number of States that have signed Service Level Agreements (SLA) with at least 50% of their AIS data originators</p>	80%	Dec. 2020
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B0-DATM Enablers/Tables

In order to assist States in the planning for the transition from AIS to AIM in an expeditious manner, the following Tables, which provide more details than the standard ANRF, should be used:

- 1- **Table B0-DATM 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, etc) for which the State is responsible. This Table will be used for the monitoring of the Key Performance Indicators (KPIs) related to elements Nr. 1 and 2 of the Module B0-DATM.
- 2- **Table B0-DATM 3-2** sets out the requirements for aeronautical data quality. It will be used for the monitoring of the Key Performance Indicators (KPIs) related to the element Nr. 3 of the Module B0-DATM.
- 3- **Table B0-DATM 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 Key Performance Indicators (KPIs) related to the element Nr. 4 of the Module B0-DATM.
- 4- **Table B0-DATM 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 Key Performance Indicators (KPIs) related to the element Nr. 5 of the Module B0-DATM.
- 5- **Table B0-DATM 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 Key Performance Indicators (KPIs) related to the element Nr. 5 of the Module B0-DATM.
- 6- **Table B0-DATM 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 Key Performance Indicators (KPIs) related to the element Nr. 5 of the Module B0-DATM.

Table B0-DATM 3-1

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

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
 - 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 B0-DATM-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	PI	FI	National AIM Roadmap-2016	AIXM: 5.1
EGYPT	FI	PI	FC	FI	FC	NI	PI	National AIM Roadmap-2018	AIXM: 5.1 3 and 7 by2018
IRAN, ISLAMIC REPUBLIC OF	NI	NI	NC	NI	NC	NI	NI	National AIM Roadmap-2016	AIXM: NI Separate semi-automated NOTAM/SNOWTAM system is operative
IRAQ	NI	NI	NC	NI	NC	NI	NI	National AIM Roadmap-2015	AIXM: NI
JORDAN	NI	NI	FC	NI	FC	NI	NI	National AIM Roadmap-2017	AIXM: database through EAD
KUWAIT	NI	NI	FC	NI	PC	NI	NI	National AIM Roadmap-2016	AIXM: NI (5.1 in progress)
LEBANON	NI	NI	NC	NI	NC	NI	NI	National AIM Roadmap-2016	AIXM: 4.5
LIBYA	NI	NI	NC	NI	NC	NI	NI	No Action Plan	AIXM: NI
OMAN	NI	NI	NC	NI	NC	NI	NI	National AIM Roadmap-2018	AIXM: NI (5.1 in progress)
QATAR	NI	PI	FC	NI	FC	PI	NI	National AIM Roadmap-2016	AIXM: 5.1 Q4/2017 – Data Integration (AIP, Terrain, Obstacle, Procedure Design and AMDB)
SAUDI ARABIA	FI	FI	NC	NI	PC	FI	FI	National AIM Roadmap-2017	AIXM: 4.5
SUDAN	NI	NI	FC	NI	FC	PI	PI	National AIM Roadmap-2017	AIXM: NI (5.1 in progress) AIS Automation Project ongoing
SYRIAN ARAB REPUBLIC	NI	NI	NC	NI	NC	NI	NI	No Action Plan	AIXM: NI
UNITED ARAB EMIRATES	NI	FI	NC	NI	PC	NI	PI	National AIM Roadmap-2017	AIXM: 5.1 AMDB: 2016-2021; PIB: AVBL at OMAA, OMDDB, OMDW, OMFJ, other ADs 2020; Charting system upgrade is planned for 2017; Procedure Design 2020; ATS: ACC AVBL, ADs 2020 Digital NOTAM: 2016-2021
YEMEN	NI	NI	NC	NI	NC	NI	NI	No Action Plan	AIXM: NI

Table B0-DATM-3-2 Aeronautical Data Quality

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 B0-DATM-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	PC	PI	FC	FC	FC	FC	National AIM Roadmap-2016	
EGYPT	FC	PC	PI	FC	PC	PC	FC	National AIM Roadmap-2018	3, 4, 6 and 7 by 2018
IRAN, ISLAMIC REPUBLIC OF	FC	PC	NI	NC	FC	FC	FC	National AIM Roadmap-2016	
IRAQ	NC	NC	NI	NC	NC	NC	FC	National AIM Roadmap-2015	
JORDAN	FC	PC	NI	FC	FC	FC	FC	National AIM Roadmap-2017	
KUWAIT	FC	PC	NI	NC	NC	NC	FC	National AIM Roadmap-2016	
LEBANON	NC	PC	NI	PC	PC	PC	FC	National AIM Roadmap-2016	
LIBYA	NC	NC	NI	NC	NC	NC	NC	No Action Plan	
OMAN	NC	NC	NI	NC	PC	PC	FC	National AIM Roadmap-2018	
QATAR	FC	PC	PI	FC	PC	PC	FC	National AIM Roadmap-2016	
SAUDI ARABIA	FC	FC	NI	FC	FC	FC	FC	National AIM Roadmap-2017	
SUDAN	FC	FC	NI	NC	FC	FC	FC	National AIM Roadmap-2017	
SYRIAN ARAB REPUBLIC	NC	NC	NI	NC	NC	NC	NC	No Action Plan	
UNITED ARAB EMIRATES	FC	PC	PI	FC	FC	FC	FC	National AIM Roadmap-2017	SLA initiated with MIL-ongoing Digital data exchange with originator: planned (2016-2021) CAAP 56 details of agreements
YEMEN	NC	NC	NI	PC	NC	NC	NC	No Action Plan	

Table B0-DATM-3-3

World Geodetic System-1984 (WGS-84)

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 Enroute 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 B0-DATM-3-3
World Geodetic System-1984 (WGS-84)

State	FIR/ENR	Terminal	AD	GUND	Action Plan	Remarks
1	2	3	4	5	6	7
BAHARAIN	FC	FC	FC	FC		
EGYPT	FC	FC	FC	FC		
IRAN, ISLAMIC REPUBLIC OF	FC	FC	FC	FC		
IRAQ	FC	FC	FC	NC	National AIM Roadmap-2015	
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 Updates planned up to 2017
SAUDI ARABIA	FC	FC	FC	FC		
SUDAN	FC	FC	FC	FC		
SYRIAN ARAB REPUBLIC	FC	FC	FC	NC	No Action Plan	
UNITED ARAB EMIRATES	FC	FC	FC	FC		
YEMEN	FC	FC	FC	FC		

Table B0-DATM-3-4-1

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

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 B0-DATM-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	National AIM Roadmap-2018	4 and 5 (HECA & HESH): 2019
IRAN, ISLAMIC REPUBLIC OF	FC	FC	FC	FC		
IRAQ	NC	NC	NC	NC	National AIM Roadmap-2015	
JORDAN	PC	FC	PC	FC	National AIM Roadmap-2017	
KUWAIT	FC	FC	FC	FC		
LEBANON	NC	N/A	NC	N/A	National AIM Roadmap-2016	
LIBYA	NC	N/A	NC	N/A	No Action Plan	
OMAN	NC	N/A	NC	N/A	National AIM Roadmap-2018	
QATAR	FC	FC	FC	FC		
SAUDI ARABIA	FC	FC	FC	FC		
SUDAN	NC	N/A	NC	N/A	National AIM Roadmap-2017	
SYRIAN ARAB REPUBLIC	NC	N/A	NC	N/A	No Action Plan	
UNITED ARAB EMIRATES	PC	FC	PC	FC	National AIM Roadmap-2017	A recurrent data acquisition TOD Area 1 is planned
YEMEN	NC	N/A	NC	N/A	No Action Plan	

Table B0-DATM-3-4-2

Provision of Terrain and Obstacle data sets for Area 2

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 Obstacle data sets for Area 2a, shown by:
 - FC – Fully Compliant
 - PC – Partially Compliant
 - NC – Not Compliant
- 7 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
- 8 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

- 9 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
- 10 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.
- 11 Remarks— additional information, including detail of “PC”, “PI” and “NC”, “NI”, as appropriate.

TABLE B0-DATM-3-4-2

Provision of Terrain and Obstacle data sets for Area 2

State	Terrain data sets				Obstacle data sets				Action Plan	Remarks
	Area 2a	Area 2b	Area 2c	Area 2d	Area 2a	Area 2b	Area 2c	Area 2d		
1	2	3	4	5	6	7	8	9	10	11
BAHARAIN	NC	NI	NI	NI	FC	FI	FI	FI	National AIM Roadmap-2016	
EGYPT	PC	PI	PI	PI	NC	NI	NI	NI	National AIM Roadmap-2018	To be completed by 2020
IRAN, ISLAMIC REPUBLIC OF	FC	FI	FI	FI	FC	FI	FI	FI	National AIM Roadmap-2016	
IRAQ	NC	NI	NI	NI	NC	NI	NI	NI	National AIM Roadmap-2015	
JORDAN	PC	PI	PI	NI	PC	PI	PI	NI	National AIM Roadmap-2017	Area 2a, 2b and 2c implemented for OJAI RWY 26R/08L
KUWAIT	NC	NI	NI	NI	NC	NI	NI	NI	National AIM Roadmap-2016	
LEBANON	NC	NI	NI	NI	NC	NI	NI	NI	National AIM Roadmap-2016	
LIBYA	NC	NI	NI	NI	NC	NI	NI	NI	No Action Plan	
OMAN	NC	NI	NI	NI	NC	NI	NI	NI	National AIM Roadmap-2018	
QATAR	FC	FI	FI	FI	FC	FI	FI	FI	National AIM Roadmap-2016	
SAUDI ARABIA	NC	NI	NI	NI	NC	NI	NI	NI	National AIM Roadmap-2017	
SUDAN	NC	NI	NI	NI	NC	NI	NI	NI	National AIM Roadmap-2017	
SYRIAN ARAB REPUBLIC	NC	NI	NI	NI	NC	NI	NI	NI	No Action Plan	
UNITED ARAB EMIRATES	NC	NI	NI	PI	FC	FI	FI	PI	National AIM Roadmap-2017	TOD Area 2 (all sub-areas) survey & data acquisition through international airport service providers
YEMEN	NC	NI	NI	NI	NC	NI	NI	NI	No Action Plan	

Table B0-DATM-3-4-3
Provision of Terrain and Obstacle data sets for Area 3 and Airport Mapping
Databases (AMDB)

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 B0-DATM-3-4-3

Provision of Terrain and Obstacle data sets for Area 3 and Airport Mapping Databases (AMDB)

	Terrain data sets (Area 3)	Obstacle data sets (Area 3)	AMDB	Action Plan	Remarks
State					
1	2	3	4	5	6
BAHARAIN	NI	FI	NI	National AIM Roadmap-2016	
EGYPT	NI	NI	NI	National AIM Roadmap-2018	A3: 2019; AMDB: 2020
IRAN, ISLAMIC REPUBLIC OF	FI	FI	NI	National AIM Roadmap-2016	
IRAQ	NI	NI	NI	National AIM Roadmap-2015	
JORDAN	PI	PI	NI	National AIM Roadmap-2017	Area 3 implemented for OJAI RWY 26R/08L
KUWAIT	FI	FI	NI	National AIM Roadmap-2016	
LEBANON	NI	NI	NI	National AIM Roadmap-2016	
LIBYA	NI	NI	NI	No Action Plan	
OMAN	NI	NI	NI	National AIM Roadmap-2018	
QATAR	FI	PI	PI	National AIM Roadmap-2016	Q4/2017 AMDB implementation
SAUDI ARABIA	NI	NI	NI	National AIM Roadmap-2017	
SUDAN	NI	NI	NI	National AIM Roadmap-2017	
SYRIAN ARAB REPUBLIC	NI	NI	NI	No Action Plan	
UNITED ARAB EMIRATES	FI	FI	NI	National AIM Roadmap-2017	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	

- END -