



International Civil Aviation Organization

**MIDANPIRG Air Traffic Management Sub-Group**

**Eleventh Meeting (ATM SG/11)**  
**(Abu Dhabi, UAE, 19 – 23 October 2025)**

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**Agenda Item 3: Planning and implementation issues related to ATM/SAR**

**ATFM IMPLEMENTATION PROGRESS**

*(Presented by the Secretariat)*

SUMMARY
<p>This paper presents the outcomes of the ninth meeting of MID Air Traffic Flow Management Task Force (ATFM TF/9).</p> <p>Action by the meeting is at paragraph 3.</p>
REFERENCES
<ul style="list-style-type: none"><li>- MIDANPIRG/22 &amp; RASG-MID/12 Meetings Report (Doha, Qatar, 4 – 8 May 2025)</li><li>- ATFM TF/9 Meeting (27 February 2025, Dubai, UAE)</li></ul>

**1. INTRODUCTION**

1.1 ICAO Doc 014 (MID ATFM Plan) Version 2 endorsed by MIDANPIRG/19; Conclusion 19/14 as follows:

*MIDANPIRG CONCLUSION 19/14: MID ATFM PLAN (V2.0)*

*That, the MID Doc 014 renamed as MID Region Air Traffic Flow Management Plan (V2.0), is endorsed and be published on the ICAO MID website.*

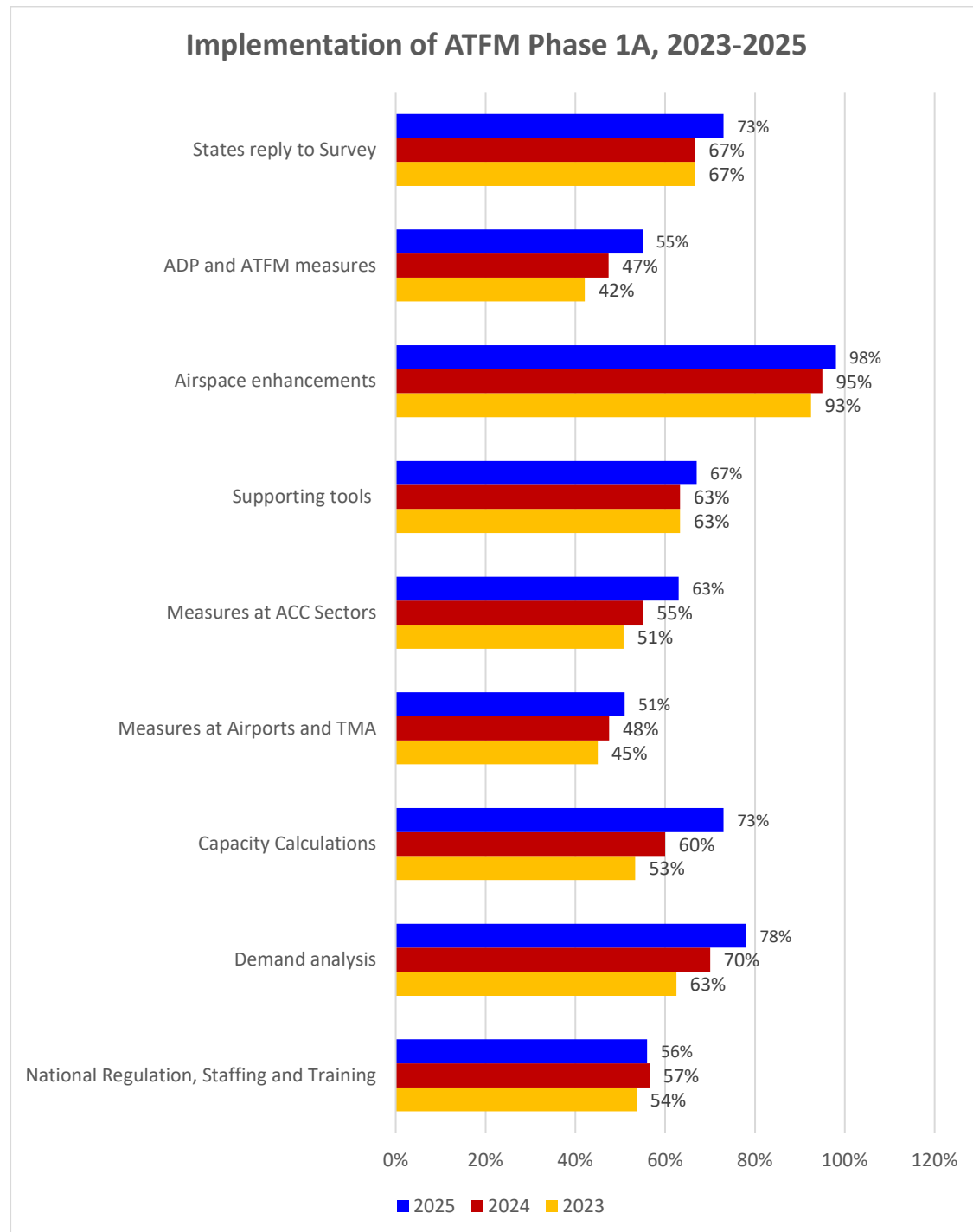
1.2 In this document, Part I, item 5, the implementation of the MID ATFM Plan was carried out in a phased manner as detailed below:

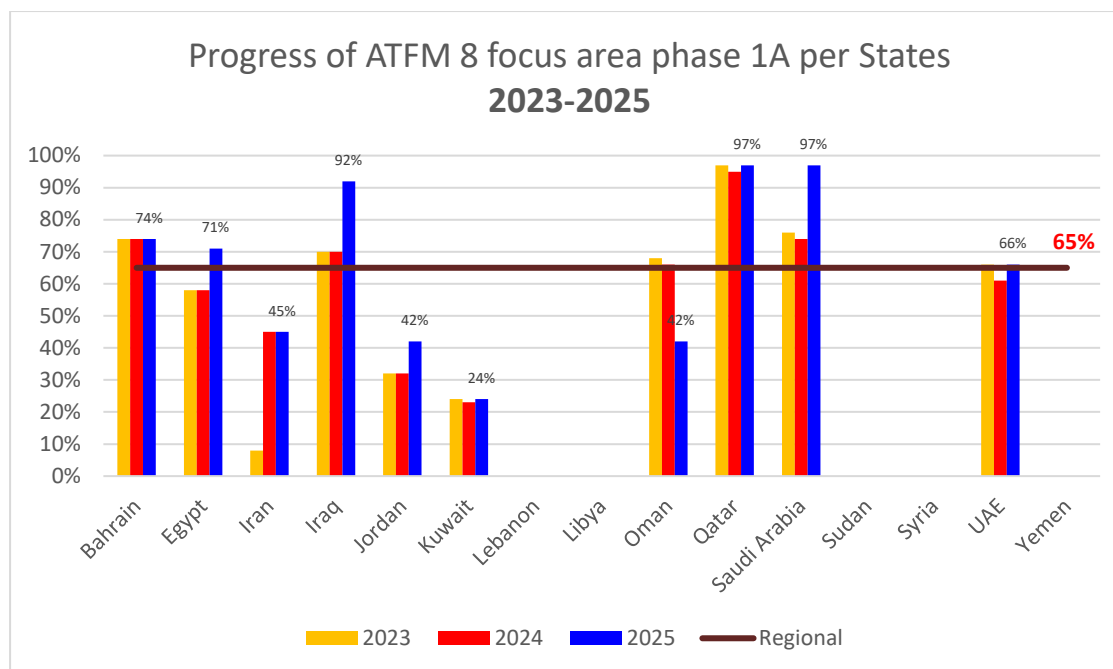
- a) REGIONAL ATFM CAPABILITY PHASE I (2 years)
  - i. PHASE IA (Expected implementation duration, 1 year);
  - ii. PHASE IB (Expected implementation duration, 1 year); and
- b) REGIONAL ATFM CAPABILITY PHASE II (3 years).

## 2. DISCUSSION

### *Progress implementation of ATFM in the MID region based on ICAO MID Doc 014 phase 1A*

2.1 The meeting may wish to note that ICAO MID with the support of the ATFM TF Chairperson, developed and circulated the ATFM implementation survey Phase IA through ICAO MID State Letter (Ref: ME 3/2.1.1 – 23/193 dated 12 September 2023). In this respect, ICAO MID received feedback from 10 States. Furthermore, during 2024 and 2025, ICAO MID received additional updates from some MID States presented at **Appendix A**.





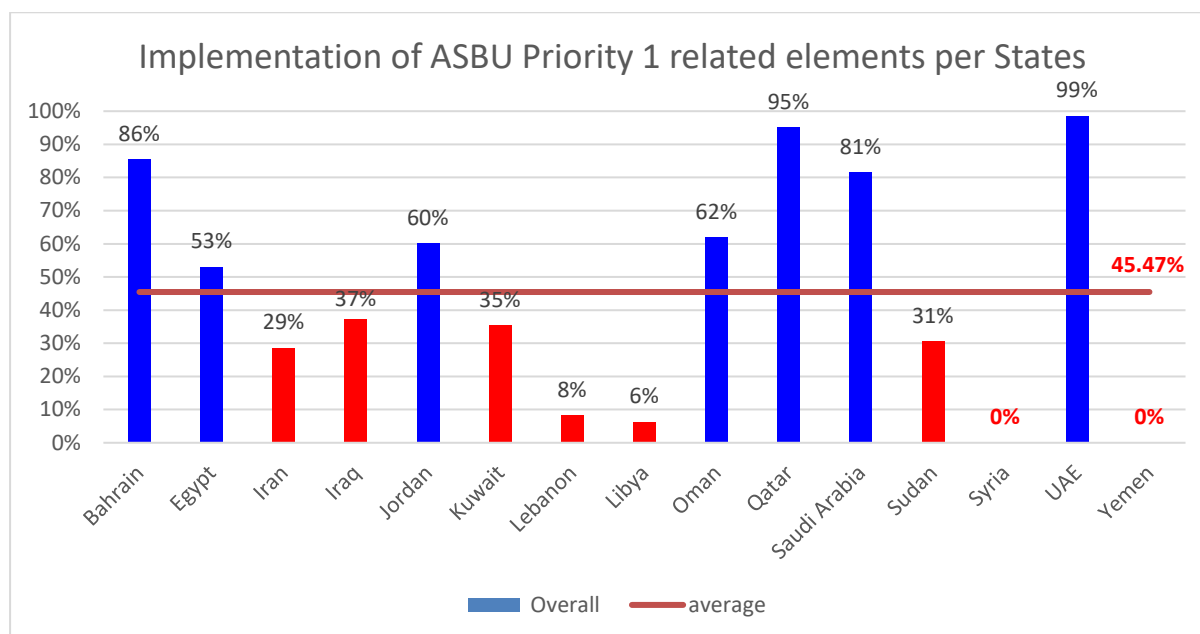
2.2 The meeting may wish to note that ATFM TF/9 meeting tasked the Secretariat, in collaboration with the ATFM Chairperson, carry out a new survey to assess the implementation of ICAO MID Doc 014 Phase I (including the requirements of Phase IA and IB) before end of 2025.

***Progress of implementation of MID ASBU Priority 1 elements related to ATFM***

2.3 The meeting may wish to note that based on ICAO MID Doc 014 and Doc 002 the following ASBU elements related to implementation of ATFM Phase 1A are monitored at the regional level.

- |               |   |
|---------------|---|
| a) AMET B0/1: | Meteorological observations products                      |
| b) AMET B0/2: | Meteorological forecast and warning products              |
| c) FICE B0/1: | AIDC/OLDI   |
| d) FRTO B0/2: | FUA   |
| e) NOPS B0/1: | Initial integration of collaborative airspace with ATFM   |
| f) RSEQ B0/1: | Airspace Management                                       |
| g) SURF B0/2: | comprehensive situational awareness of surface operations |
| h) ACDM B0/1: | Airports CDM information sharing                          |
| i) ACDM B0/2: | integration with ATM network function                     |

2.4 Based on the above and further on the replies provided by the States, ICAO MID Office developed the report at **Appendix B** to review and assess the implementation status of MID ASBU Priority 1 elements related to ATFM in the MID region. According to this report, the overall implementation at regional level per applicability area is **45.47%**.



2.5 The meeting may wish to note that ATFM TF/9 meeting urged States that have not yet achieved the regional target to put additional effort to improve the implementation of ASBU related elements for effective implementation of ATFM.

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#### ***Development of MID States ATFM implementation plan***

2.7 The meeting may wish to recall MIDANPIRG/21 Conclusion 21/19 as follows:

*MIDANPIRG CONCLUSION 21/19: DEVELOPMENT OF MID STATES ATFM PLAN*

*That,*

- a) based on the guidelines provided in ICAO MID Doc 014: ATFM Plan (V2.0), MID States develop their respective ATFM implementation plan and agreements with adjacent FIRs and share them with ICAO MID;*
- b) by organizing individual workshops, ICAO MID supports the development of States National ATFM Plans and implementation of ICAO Doc 014 requirements for Phase I (including Phase IA & IB), where requested; and*
- c) the MID ATFM Task Force is tasked with the identification of Priority ATFM Implementation Areas within the MID Region, to enable further implementation support activities.*

2.8 The meeting may wish to note that ATFM TF/9 meeting tasked the Secretariat in collaboration with the ATFM Chairperson, carry out a new survey before end of 2025 to assess the following:

- a) the implementation of ICAO MID Doc 014 Phase I including the requirements of Phase IA and IB; and
- b) progress of the MID States to develop their respective national ATFM plan in line with ICAO MID Doc 014 in **Appendix C**.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

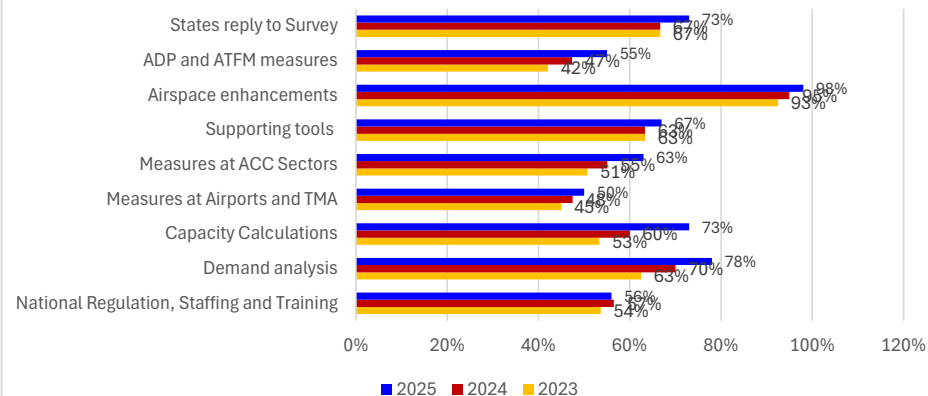
- a) note the progress of implementation of ATFM Phase 1A in **Appendix A**;
- b) urge States to adhere with the requirements of ATFM Plan Phase 1A and 1B as explained in ICAO MID Doc 014;
- c) urge all MID States to provide required feedback to ICAO MID survey regarding implementation of ATFM Phase 1A and 1B;
- d) review the progress of ASBU Priority 1 elements related to ATFM at **Appendix B** and urge States to enhance their level of implementation;
- e) urge States to review and assess the MID ASBU priority 2 elements and block 2 in order to identify and propose new MID ASBU Priority 1 to RANP/NANP TF/3 for further study and draft new version of MID Air Navigation Strategy which will be presented to MIDANPIRG/23 for endorsement;
- f) urge States to develop their respective national ATFM plan in accordance with MIDANPIRG Conclusion 21/19 and provide required feedback through ICAO MID survey in June 2025; and
- g) note the implementation of ATFM measures to manage contingency situation in the MID region.

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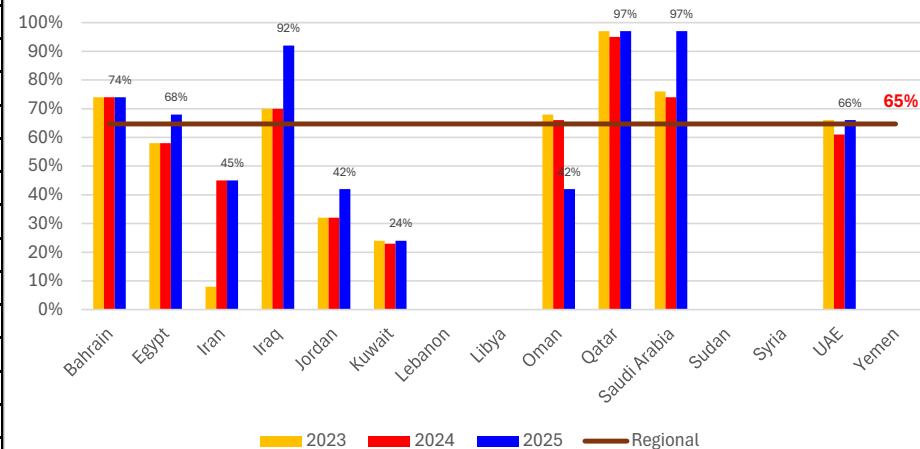
	2023	2024	2025
National Regulation, Staffing and Training	54%	57%	56%
Demand analysis	63%	70%	78%
Capacity Calculations	53%	60%	73%
Measures at Airports and TMA	45%	48%	50%
Measures at ACC Sectors	51%	55%	63%
Supporting tools	63%	63%	67%
Airspace enhancements	93%	95%	98%
ADP and ATFM measures	42%	47%	55%
States reply to Survey	67%	67%	73%

	2023	2024	2025	Regional
Bahrain	74%	74%	74%	65%
Egypt	58%	58%	68%	65%
Iran	8%	45%	45%	65%
Iraq	70%	70%	92%	65%
Jordan	32%	32%	42%	65%
Kuwait	24%	23%	24%	65%
Lebanon				65%
Libya				65%
Oman	68%	66%	42%	65%
Qatar	97%	95%	97%	65%
Saudi Arabia	76%	74%	97%	65%
Sudan				65%
Syria				65%
UAE	66%	61%	66%	65%
Yemen				65%
<b>Regional</b>	<b>57%</b>	<b>60%</b>	<b>65%</b>	65%

### Implementation of ATFM Phase 1A, 2023-2025



### Progress of ATFM 8 focus area phase 1A per States 2023-2025

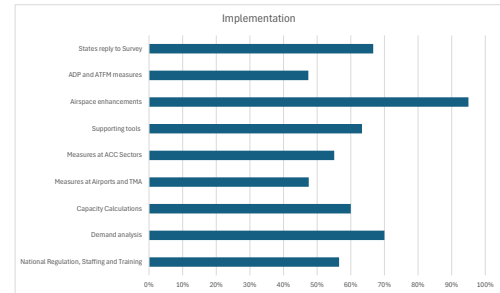


	Area	Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Egypt	
IA-1	1-National Regulation, Staffing and Training	Has your State promulgated National regulations for the implementation of ATFM? (Ref. An. 11, Chapter 3, Para 3.7.5 and Doc 4444, Chapter 3, Para 3.2)	1	1	1	1	1	2	1	1	2	1	
IA-2		Has your State developed national ATFM procedure to meet the ICAO MID ATFM Plan (Doc 014) Part I Phase IA Para 5.5?	1	2	1	1	1	2	2	1	2	1	
IA-3		Has your State/ANSP established an Organizational structure including ATFM posts? (in accordance with Doc 9971, Part II, Chapter 3, Para 3.1)	1	1	1	2	1	2	2	1	1	1	
IA-4		Has your State/ANSP assigned/recruited staff (with clear Job Description) for provision of ATFM services?	2	2	1	2	1	2	2	1	2	1	
IA-5		Has your State/ANSP conducted the required Training for ATFM Personnel? (Ref. MID Doc 014, Part I, Para 3.6.4 & 3.6.5 as well as Appendix J)	2	2	1	2	1	2	2	1	2	1	
IA-6		Has your State/ANSP conducted awareness for ATM staff on the basics of ATFM and its connection with ATS units? (Ref. ICAO MID Doc 014, Part I, Appendix L, attachment C)	1	2	1	2	1	1	1	1	1	2	2
IA-7		Has your State/ANSP conducted workshops / training courses to introduce the basics of ATFM to external stakeholders including Airspace Users (AUs)?	2	2	1	2	1	1	2	1	1	2	2
IA-8		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at International Airports? (Ref. on ICAO MID Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	1	1	1	2	1
IA-9	2-Demand analysis	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA's? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	1	1	1	2	1
IA-10		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC Sectors? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	1	1	1	2	1
IA-11	3-Capacity Calculations	Has your State identified Airspaces (TMA, ACC sectors) or Airports where Air Traffic demand could exceed or expected to exceed the capacity of Air Traffic Services concerned? To be included in ATFM Programme.	1	2	1	2	1	1	1	1	1	2	1
IA-12		Has your State/ANSP performed capacity calculation (strategic level) at International Airports?	1	1	2	2	1	1	1	1	1	1	1
IA-13		Has your State/ANSP performed capacity calculation (strategic level) at TMA's?	1	2	2	2	1	1	2	1	1	1	1
IA-14		Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS route segment(s)?	1	1	1	2	1	1	2	1	1	1	1
IA-15		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at International Airports? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	1	1	2	1	1	2	1	1	1	2
IA-16		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at TMA's? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	2	1	2	1	1	2	1	1	1	2
IA-17		Does your State/ANSP developed procedure to collect, analyze and disseminate constraints at the identified Airport(s) and TMAs related to capacity, Weather, equipment outage, Runway closure and other operational issues?	1	2	1	2	1	2	2	1	2	1	1
IA-18		4-Measures at Airports and TMA	Is the FRTD B0/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in TMA's?	1	1	1	2	1	1	2	1	1	2
IA-19	Does your State/ANSP perform daily pre-tactical capacity and demand analysis at all Airports included in the ATFM programme? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)		2	2	1	2	1	2	2	1	2	2	
IA-20	Does your State/ANSP develop daily pre-tactical capacity and demand analysis at TMA's? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)		2	2	1	2	1	2	2	1	2	2	
IA-21	Has your State/ANSP developed the required ATC procedures related to the implementation of ATFM at relevant International Airports?		2	2	1	2	1	2	2	1	2	1	
IA-22	5-Measures at ACC Sectors	Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the ATC units and identified Airports within your FIR?	1	2	1	2	1	2	2	1	2	1	
IA-23		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	1	1	2	1	1	2	1	1	1	
IA-24		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	2	1	1	1	
IA-25		Has your State/ANSP developed a procedure to collect, analyze and disseminate constraints at enroute related to capacity, equipment outage, Airspace reservation, Route closure and operational issues?	1	2	1	2	1	1	2	1	2	1	
IA-26		Is the FRTD B0/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in ACC sectors?	2	1	1	2	1	1	2	2	1	1	2
IA-27		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	1	2	1	2	1	2	2	1	2	1	
IA-28		Has your State/ANSP developed the required ATC procedures related to the implementation of ATFM at relevant ACC sectors?	1	2	1	2	1	1	1	1	1	2	2
IA-29		Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the ACC(s) and the relevant ACC(s)?	1	2	1	2	1	1	1	1	1	2	2
IA-30	6-Supporting tools	Does the ATM automation system (if available) include a Basic conflict detection and conformance monitoring (FRTD B0/4)	1	2	1	1	1	1	1	1	1	1	
IA-31		Has your State/ANSP 1 NOPS B0/1: Initial integration of collaborative airspace management with ATFM?	2	2	1	1	2	2	2	1	2	2	
IA-32		Has your State/ANSP 1 FICE B0/1: Automated basic inter facility data exchange (AIDC/OLDI)?	1	2	2	1	1	1	1	1	1	1	1
IA-33	7-Airspace enhancements	Has your State/ANSP identified a need for improvement to optimize the operations within the TMA's?	1	1	1	1	1	1	1	1	1	1	
IA-34		Has your State/ANSP identified a need for improvement to optimize the operations of the ACC(s)?	1	1	1	1	1	1	1	1	1	1	
IA-35		Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACCs?	1	1	1	1	1	1	1	1	1	1	
IA-36		Based on the response of the item above, Does the optimization at the ACC interface requires regional agreement/support?	1	1	1	2	1	1	1	1	1	1	1
IA-37	8-ADP and ATFM measures	Does your State/ANSP develop coordinated ATFM Daily Plan (ADP) and share with the concerned Stakeholders? (Ref. on ICAO MID Doc 014, Part I, Para 5.9 and 5.10)	2	2	1	2	1	2	2	1	2	2	
IA-38		Based on your capacity vs demand analysis, has your State identified the need to implement ATFM measures?	2	1	1	1	1	1	1	1	1	2	1
Overall implementation			74%	45%	92%	24%	97%	66%	42%	97%	42%	68%	

	Implementation
National Regulation, Staffing and Training	56%
Demand analysis	78%
Capacity Calculations	73%
Measures at Airports and TMA	50%
Measures at ACC Sectors	63%
Supporting tools	67%
Airspace enhancements	98%
ADP and ATFM measures	55%
States reply to Survey	73%

	Area	Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Egypt
IA-1	1-National Regulation, Staffing and Training	Has your State promulgated National regulations for the implementation of ATM? (Ref. An. 11, Chapter 3, Para 3.7.5 and Doc 4444, Chapter 3, Para 3.2)	1	1		1	1	2	2	1	2	1
IA-2		Has your State developed national ATM procedure to meet the ICAO MID ATM Plan (Doc 014) Part I Phase IA Para 5.5?	1	2	1	1	1	2	1	1	2	2
IA-3		Has your State/ANSP established an Organizational structure including ATM posts? (in accordance with Doc 9973, Part B, Chapter 3, Para 3.1)	1	1	1	2	1	2	1	1	2	1
IA-4		Has your State/ANSP assigned/recruited staff (with clear Job Description) for provision of ATM services?	2	2	1	2	1	2	2	1	2	1
IA-5		Has your State/ANSP conducted the required Training for ATM Personnel? (Ref. MID Doc 014, Part I, Para 3.64 & 3.65 as well as Appendix J)	2	2	1	2	1	2	1	1	2	2
IA-6		Has your State/ANSP conducted awareness for ATM staff on the basics of ATM and its connection with ATS units? (Ref. ICAO MID Doc 014, Part I, Appendix J, attachment C)	1	2	1	2	1	1	1	1	2	1
IA-7		Has your State/ANSP conducted workshops / training courses to introduce the basics of ATM to external stakeholders including Airspace Users (AUs)?	2	2	1	2	1	1	1	1	2	2
IA-8	2-Demand analysis	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at International Airports? (Ref. on ICAO MID Doc 014, Part I, Para 5.7)	1	1	2	2	1	1	1	1	2	1
IA-9		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA(s)? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	1	1	2	2	1	1	1	1	2	1
IA-10		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC Sectors? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	1	2	2	1
IA-11		Has your State identified Airspaces (TMA, ACC sectors) or Airports where Air Traffic demand could exceed or expected to exceed the capacity of Air Traffic Services concerned? To be included in ATM Programme.	1	2	1	2	1	1	1	1	2	1
IA-12	3-Capacity Calculations	Has your State/ANSP performed capacity calculation (strategic level) at International Airports?	1	1	1	2	1	1	2	1	2	2
IA-13		Has your State/ANSP performed capacity calculation (strategic level) at TMA(s)?	1	2	2	2	1	1	2	1	2	2
IA-14		Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS route-segment(s)?	1	1	1	2	1	1	1	1	2	1
IA-15		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at International Airports? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	1	2	2	1	1	1	1	1	1
IA-16	4-Measures at Airports and TMA	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at TMA(s)? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	2	2	2	1	1	2	1	1	1
IA-17		Does your State/ANSP developed procedure to collect, analyze and disseminate constraints at the identified Airport(s) and TMAs related to capacity, Weather, equipment outage, Runway closure and other operational issues?	1	2	1	2	1	2	1	1	1	2
IA-18		Is the FRTO B0/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in TMA(s)?	1	1	2	2	1	1	2	1	1	2
IA-19		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at all Airports included in the ATM programme? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	2	2	1	2	1	2	1	2	2	1
IA-20		Does your State/ANSP develop daily pre-tactical capacity and demand analysis at TMAs? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	2	2	2	2	1	2	2	2	2	1
IA-21		Has your State/ANSP developed the required ATC procedures related to the implementation of ATM at relevant International Airports?	2	2	1	2	1	2	1	1	2	2
IA-22		Has your State/ANSP developed ATM Letter of Agreement/Procedures between the ATC units and identified Airports within your FR?	1	2	2	2	1	2	2	2	2	2
IA-23	5-Measures at ACC Sectors	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	1	1	2	1	1	1	1	1	1
IA-24		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	1	2	1	1
IA-25		Has your State/ANSP developed a procedure to collect, analyze and disseminate constraints at enroute related to capacity, equipment outage, Airspace reservation, Route closure and operational issues?	1	2	1	2	1	2	2	1	2	2
IA-26		Is the FRTO B0/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in ACC sectors?	2	1	2	2	2	1	1	1	2	2
IA-27		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	1	2	1	2	1	2	1	2	2	1
IA-28		Has your State/ANSP developed the required ATC procedures related to the implementation of ATM at relevant ACC sector(s)?	1	2	1	2	1	1	1	2	2	2
IA-29		Has your State/ANSP developed ATM Letter of Agreement/Procedures between the ACC(s) and the relevant ACC(s)?	1	2	2	2		1	2	1	2	2
IA-30	6-Supporting tools	Does the ATM automation system (if available) include a Basic conflict detection and conformance monitoring (FRTO B0/4)?	1	2	1	1	1	2	1	1	1	1
IA-31		Has your State/ANSP 1 NOPS B0/1: Initial integration of collaborative airspace management with ATM?	2	2	1	1	1	2	2	2	2	2
IA-32		Has your State/ANSP 1 FCIE B0/1: Automated basic inter facility data exchange (AIDC/OLDI)?	1	2	2	1	1	1	1	1	1	1
IA-33	7-Airspace enhancements	Has your State/ANSP identified a need for improvement to optimize the operations within the TMA(s)?	1	1	1	1	1	1	1	1	1	1
IA-34		Has your State/ANSP identified a need for improvement to optimize the operations of the ACC(s)?	1	1	1	1	1	1	1	1	1	1
IA-35		Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACCs?	1	1	1	1	1	1	1	1	1	2
IA-36		Based on the response of the item above, Does the optimization at the ACC interface requires regional agreement/support?	1	1	1	2	1	1	1	1	1	1
IA-37	8-ADP and ATM measures	Does your State/ANSP develop coordinated ATM Daily Plan (ADP) and share with the concerned Stakeholders? (Ref. on ICAO MID Doc 014, Part I, Para 5.9 and 5.10)	2	2	1	2	1	2	2	2	2	2
IA-38		Based on your capacity vs demand analysis, has your State identified the need to implement ATM measures?	2	1	1	1	1	1		1	2	1
		Overall implementation	74%	45%	70%	23%	95%	61%	66%	74%	32%	58%

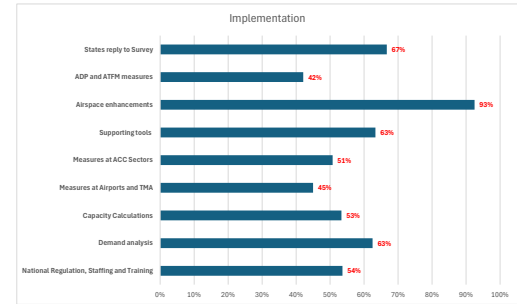
	Implementation
National Regulation, Staffing and Training	57%
Demand analysis	70%
Capacity Calculations	60%
Measures at Airports and TMA	48%
Measures at ACC Sectors	55%
Supporting tools	63%
Airspace enhancements	95%
ADP and ATM measures	47%
States reply to Survey	67%





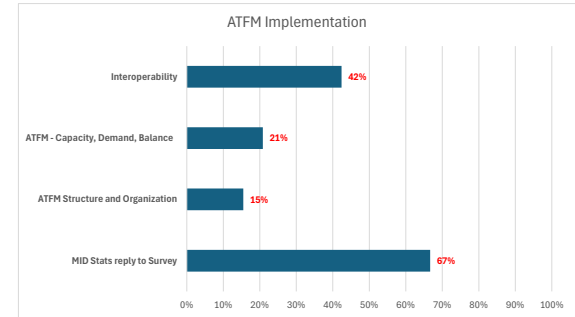
	Area	Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Egypt
IA-1	National Regulation, Staffing and Training	Has your State promulgated National regulations for the implementation of ATFM? (Ref. An. 11, Chapter 3, Para 3.7.5 and Doc 4444, Chapter 3, Para 3.2)	1	2		1	1	2	2	1	2	1
IA-2		Has your State developed national ATFM procedure to meet the ICAO MID ATFM Plan (Doc 014) Part I Phase IA Para 5.5?	1	2	1	1	1	2	1	1	2	2
IA-3		Has your State/ANSP established an Organizational structure including ATFM posts? (in accordance with Doc 9071, Part II, Chapter 3, Para 3.1)	1	2	1	2	1	2	1	1	2	1
IA-4		Has your State/ANSP assigned/recruited staff (with clear Job Description) for provision of ATFM services?	2	2	1	2	1	2	2	1	2	1
IA-5		Has your State/ANSP conducted the required Training for ATFM Personnel? (Ref. MID Doc 014, Part I, Para 3.6.4 & 3.6.5 as well as Appendix J)	2	2	1	2	1	2	1	1	2	2
IA-6		Has your State/ANSP conducted awareness for ATM staff on the basics of ATFM and its connection with ATS units? (Ref. ICAO MID Doc 014, Part I, Appendix L, attachment C)	1	2	1	2	1	1	1	1	2	1
IA-7		Has your State/ANSP conducted workshops / training courses to introduce the basics of ATFM to external stakeholders including Airspace Users (AUs)?	2	2	1	2	1	1	1	1	2	2
IA-8	Demand analysis	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at international Airports? (Ref. on ICAO MID Doc 014, Part I, Para 5.7)	1	2	2	2	1	1	1	1	2	1
IA-9		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA's? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	1	2	2	2	1	1	1	1	2	1
IA-10		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC Sectors? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	1	2	1	2	1	1	1	2	2	1
IA-11		Has your State identified Airspaces (TMA, ACC sectors) or Airports where Air Traffic demand could be expected to exceed the capacity of Air Traffic Services concerned? To be included in ATFM Programme.	1	2	1	2	1	1	1	1	2	1
IA-12	Capacity Calculations	Has your State/ANSP performed capacity calculation (strategic level) at international Airports?	1	2	1	2	1	1	2	1	2	2
IA-13		Has your State/ANSP performed capacity calculation (strategic level) at TMA's?	1	2	2	2	1	1	2	1	2	2
IA-14		Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS route segments)?	1	2	1	2	1	1	1	1	2	1
IA-15	Measures at Airports and TMA	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at international Airports? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	2	2	2	1	1	1	1	1	1
IA-16		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at TMA's)? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	2	2	2	1	1	2	1	1	1
IA-17		Does your State/ANSP developed procedure to collect, analyze and disseminate constraints at the identified Airport(s) and TMA's related to capacity, Weather, equipment outage, Runway closure and other operational issues?	1	2	1	2	1	2	1	1	1	2
IA-18		Is the FRT0 B0/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in TMA's)?	1	2	2	2	1	1	2	1	1	2
IA-19		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at all Airports included in the ATFM programme? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	2	2	1	2	1	2	1	2	2	1
IA-20		Does your State/ANSP develop daily pre-tactical capacity and demand analysis at TMA's)? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	2	2	2	2	1	2	2	2	2	1
IA-21		Has your State/ANSP developed the required ATC procedures related to the implementation of ATFM at relevant international Airports?	2	2	1	2	1	2	1	1	2	2
IA-22		Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the ATC units and identified Airports within your FIR?	1	2	2	2	1	2	2	2	2	2
IA-23		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly...) analysis of traffic demand at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	2	1	2	1	1	1	1	1	1
IA-24		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.7)	1	2	1	2	1	1	1	2	1	1
IA-25	Measures at ACC Sectors	Has your State/ANSP developed a procedure to collect, analyze and disseminate constraints at enroute related to capacity, equipment outage, Airspace reservation, Route closure and operational issues?	1	2	1	2	1	2	2	1	2	2
IA-26		Is the FRT0 B0/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in ACC sectors?	2	2	2	2	2	1	1	1	2	2
IA-27		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at ACC sectors? (Ref. on ICAO MID Doc 014, Part I, Para 5.8)	1	2	1	2	1	2	1	2	2	1
IA-28		Has your State/ANSP developed the required ATC procedures related to the implementation of ATFM at relevant ACC sector(s)?	1	2	1	2	1	1	1	2	2	2
IA-29	Supporting tools	Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the ACC(s) and the relevant ACC(s)?	1	2	2	2		1	2	1	2	2
IA-30		Does the ATM automation system (if available) include a Basic conflict detection and conformance monitoring (FRT0 B0/4)	1	2	1	1	1	2	1	1	1	1
IA-31		Has your State/ANSP 1 NOPS B0/1: Initial integration of collaborative airspace management with ATFM?	2	2	1	1	1	2	2	2	2	2
IA-32		Has your State/ANSP 1 FICE B0/1: Automated basic inter facility data exchange (ADC/OLDI)?	1	2	2	1	1	1	1	1	1	1
IA-33	Airspace enhancements	Has your State/ANSP identified a need for improvement to optimize the operations within the TMA's)?	1	1	1	1	1	1	1	1	1	1
IA-34		Has your State/ANSP identified a need for improvement to optimize the operations of the ACC(s)?	1	1	1	1	1	1	1	1	1	1
IA-35		Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACCs?	1	1	1	1	1	1	1	1	1	2
IA-36	ADP and ATFM measures	Based on the response of the item above, Does the optimization at the ACC interface requires regional agreement/support?	1	2	1	2	1	1	1	1	1	1
IA-37		Does your State/ANSP develop coordinated ATFM Daily Plan (ADP) and share with the concerned Stakeholders? (Ref. on ICAO MID Doc 014, Part I, Para 5.9 and 5.10)	2	2	1	2	1	2	2	2	2	2
IA-38		Based on your capacity vs demand analysis, has your State identified the need to implement ATFM measures?	2	2	1	1	1	1		1	2	1
Overall implementation			74%	8%	70%	24%	97%	61%	68%	76%	32%	58%

	Implementation
National Regulation, Staffing and Training	54%
Demand analysis	63%
Capacity Calculations	53%
Measures at Airports and TMA	45%
Measures at ACC Sectors	51%
Supporting tools	63%
Airspace enhancements	93%
ADP and ATFM measures	42%
States reply to Survey	67%



Question		Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen	
ATFM Structure and Organization																	
1. Does your State have a regulatory requirement for ATFM to be implemented in your FIR?		YES	YES			NO	YES	NO		YES	NO	YES	NO		NO		
2. Does your State have an operational requirement (e.g. demand exceeding capacity) for ATFM in your FIR?		YES	HCCA, HROA, HEDRA, ACC, Red Sea			NO	NO	NO		YES, Operational LoA with UAE ACC, Appendix G	YES	YES	NO		YES		
3. Does your State have future plans or initiatives for ATFM in your FIR?		YES	Yes, ADX-TTC, and number 8, AMAN & DMAN			NO	NO	Waiting for regional initiatives		YES, The COMOPS has not been developed	YES	YES	NO		YES		
4. Does your State have an organizational structure including the following facilities and/or working positions? If future organizational structure is planned, please include date.	ATFM Services	NO	YES			NO	NO	NO			NO	Q4 2019	NO		YES		
	ATFM Operational Manager	NO	YES			NO	NO	NO		Dec-19	NO	2019 - 2020	NO		YES		
	ATFM positions located in the following	National ATFM center	NO	YES		NO	NO	NO			NO	2021-2022			Q4 2022		
		Area control center(s)	NO	YES, TIRH, EUROCONT, BEH		NO		NO			Dec-19	NO	Q4 2019	NO		YES	
		Approach control(s)	NO	NO			NO	NO	NO			NO	Q1 2020	NO		NO	
		Control tower(s)	NO	NO, EUROCONT, BEH			NO	NO	NO			NO	Q1 2020	NO		NO	
5. If there is existing ATFM functions performed, are there dedicated resources for these ATFM functions/positions or are these functions provided by another operational position?	Dedicated resource	NA				NO		NO				NO			Flow Operator (Departure)		
	Another Operational Position	NO	Delegated to ATC units			NO		Receive CTOI in NM for TFC DEP to EUR		Muscat ACC Planner controller							
6. Does your State have Letters of Agreement (LOA) that include ATFM with any of the following stakeholders? If so, please provide a copy or relevant excerpt of the LOA(s) with the survey response:	1. FIR(s)	OMAE & OEJD	NO			NO	NO	YES, Nicosia		OMAE	NO	Muscat, Bahrain, Cairo, Jordan, Khartoum, Sanaa and Doha Center	NO		YES, OOMM, OHHB, OEJD		
	2. Stakeholders	- Airport Operators	NO	NO		NO	NO	NO			NO	Jeddah Airport within hajj season	NO		NO		
		- Aircraft Operators	NO	NO		NO	NO	NO			NO	NO	NO		NO		
		- Military	NO	YES, MIL reservation & warning		NO	NO	NO			NO	AirForce within hajj season	NO		NO		
		- General Aviation	NO	NO		NO	NO	NO			NO	NO	NO		NO		
		- ATFM Units	NO	YES, EUROCONT, BEH		NO	NO	NO			NO	NO	NO		NO		
		- National ATFM center	NO	NO		NO	NO	NO			NO	NO	NO		NO		
		- Area control center	NO	NO		NO	NO	NO			NO	Q4 2019	NO		NO		
		- Approach control	YES- DOHA	NO		NO	NO	NO			NO	Q1 2020	NO		YES, OMDR, OMAA, OMRK, OMEI		
		- Control tower	NO	NO		NO	NO	NO		Operational LoA with UAE ACC, Appendix G	NO	Q1 2020	NO		NO		
7. Does your State have existing CDM procedures (planned or Ad-Hoc Teleconferences) and/or tools with the following stakeholders? If future CDM procedures and/or tools are planned, please add the date.	Airport Operators	YES				NO	YES	NO		Oman airports by 2020	NO	NO	NO		NO		
	Aircraft Operators	NO				NO		NO			NO	NO	NO		UAE, ETD, FDR, ABY		
	Military	NO				NO		NO			NO	NO	NO		NO		
	General Aviation	NO				NO		NO			NO	NO	NO		NO		
	Area control center	NO				NO	YES	NO			NO	NO	NO		OMAE		
	Approach control	NO				NO		NO			NO	NO	NO		OMAA, OMDR, OMRK, OMEI		
	Control tower	NO				NO		NO			NO	NO	NO		OMSI, OMRK, OMEI		
	Other ANSP ATFM Units	NO				NO		NO			NO	NO	NO		NO		
	Other ANSP ATC Units	NO				NO		NO			NO	NO	NO		NO		

	Implemented
MID Stats reply to Survey	67%
ATFM Structure and Organization	15%
ATFM - Capacity, Demand, Balance	21%
Interoperability	42%
Average implementation	26%



8. Does your State's ATFM unit(s) perform the following tasks? If future implementation planned, please add the date.	1. Create and distribute an ATFM daily plan		NA	Planned 2020				NO	NO	NO		NO	NO	2020-2022			Q4 2022	
		- meteorological conditions	NA	Planned 2020				NO	NO	NO		YES	NO	Q4/2019			YES	
	2. Collect the following relevant information	- capacity constraints	NA	Planned 2020				NO	NO	NO		YES	NO	Q4/2019			Q4 2022	
		- equipment outages	NA	Planned 2020				NO	NO	YES		YES	NO	Q4/2019			YES	
		- runway closures	NA	Planned 2020				NO	NO	YES		YES	NO	Q4/2019			YES	
		- procedural issues	NA	Planned 2020				NO	NO	NO		YES	NO	Q4/2019			YES	
	3. Analyze and distribute relevant information		NA	Planned 2020				NO	NO	NO		YES	NO	Q4/2019			YES	
	4. Coordination procedures with stakeholders (indicate method (e.g., voice meetings, email) and frequency) in the comments section		NA	Planned 2020				NO	NO	YES. In case of special events coordination is carried out with all stakeholders		YES. Voice meetings	NO				YES	
	5. Structured information dissemination process, i.e. website		NA	Planned 2020				NO	NO	Via letters/AIP		NO	NO	2019/2020			YES	
	9. Are the following CDM elements included as part of your stakeholder's participation in the ATFM process?	1. Provide updated flight plan intent information (e.g., plans, changes, delays) provided by:	- Aircraft Operators	NO				YES	NO	NO		YES	NO	NO	NO		FPL, CHG, DLA, CNL	
10. Does your State provide standardized and recurrent ATFM training for the following personnel and stakeholders? If standardized training is planned, please add date.	2. Telephone conferences	- Military	NO					YES	NO	NO		YES	NO	NO	NO		FPL	
		- General Aviation	NO					YES	NO	NO		YES	NO	NO	NO		FPL, CHG, DLA, CNL	
		- Airport	NO					YES	NO	NO		YES	NO	NO	NO		OMAA, OMDR, OMSI, OMRK, OMIJ	
		- Military	NO					YES	NO	NO		YES	NO	NO	NO		NO	
		- Aircraft Operators	NO					YES	NO	NO		YES	NO	NO	NO		UAE, ETD, FDR, ADY	
		- General Aviation	NO					NO	NO	NO		YES	NO	NO	NO		NO	
		- ATFM Units	NO					NO	NO	NO		NO	NO	NO	NO		NO	
		- Other FIR ANSP's	NO					NO	NO	NO		YES	NO	NO	NO		NO	
	3. Web based interfaces	- Airport	NO					YES	NO	NO		NO	NO	NO	NO		OMAA, OMDR, OMSI, OMRK, OMIJ	
		- Military	NO					NO	NO	NO		NO	NO	NO	NO		NO	
		- Aircraft Operators	NO					NO	NO	NO		NO	NO	NO	NO		ETD, UAE, FDR, ADY	
		- General Aviation	NO					NO	NO	NO		NO	NO	NO	NO		NO	
		- ATFM Units	NO					NO	NO	NO		NO	NO	NO	NO		NO	
		- Other FIR ANSP's	NO					NO	NO	NO		NO	NO	NO	NO		NO	
	1. Personnel performing ATFM functions	- National ATFM center	NO	NO				NO	NO	NO		2020	NO	NO	NO		Q4 2022	
		- Area control center	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	
		- Approach control	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	
		- Control tower	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	
		- Airports	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	
		- Aircraft Operators	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	
		- Military	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	
		- General Aviation	NO	NO				NO	NO	NO		2020	NO	NO	NO		NO	

11. Does your State have an electronic ATFM system that displays airborne traffic? Is this system shared? If not, what is the planned date (if any) for sharing this system?	Electronic ATFM display system Shared with:	1. FIR(s)	YES AMAN not shared	NO				NO	NO		YES	NO		NO		Q4 2022	
	2. Stakeholders	- Airport Operators	NO	NO				NO	NO		2020	NO		NO		Q4 2022	
		- Aircraft Operators	NO	NO				NO	NO		2020	NO		NO		Q4 2022	
		- Military	NO	NO				NO	NO		2020	NO		NO		Q4 2022	
		- General Aviation	NO	NO				NO	NO		2020	NO		NO		Q4 2022	
ATFM - Capacity, Demand, Balance																	
12. Does your State declare ATC strategic capacity values for the following resources? If capacity value declarations are planned to be completed:	1. Airspace sectors		YES	YES				YES	NO	NO	2020	NO	Q2/2019	NO		NO	
	2. Waypoint(s) or boundaries		NO	NO				YES	NO	NO	2020	NO	Q1/2020	NO		NO	
	3. Airport acceptance rate(s) (arrival and departure)		NO					NO	NO	NO	2020	NO	Q1/2020	NO		NO	
13. How are the declared capacity values determined?			Determined by Operations using capacity management studies					Staffing methodology and manning level and procedures (ATM)		NA		Capacity values are not determined					
14. Does your State have strategic airport arrival/departure slots? If planned, please indicate the dates:	Airport	Planned date	NA					OJAI & OIAQ (NO-Pending)			QOMAS, QOSA 2020			No slots		OMAA, OMDR	
	Arrival	Planned date	NA											NA		OMAA, OMDR	
	Departure	Planned date	NA											NA		OMAA, OMDR	
15. Does your State have a methodology to balance demand and capacity in the following time frames?		Strategic (more than 1 day before operation)	NO	NO				NO	NO		NO	NO	NO	No		NO	
		Pre-tactical (1 day before operation)	NO	NO				NO	NO		NO	NO	NO	No		NO	
		Tactical (day of operation)	YES. Tactical oversight of sector volume with strategic opening and closing of sectors	NO				NO	NO		YES	NO	NO	No		YES	
16. Has your administration (and/or State) implemented procedures, review, and tools to identify available capacity, compare capacity to forecast demand and establish performance targets including if initiatives are planned, please add date:	1. Airspace design review		Yes, Early 2019	NO				NO	NO		NO 2019	Early 2019	NO			YES	
	2. ATFM support tools		YES	NO				YES. Statistical tool			YES	NO	NO			Q4 2022	
	3. Procedures review		YES	NO				NO	NO		NO 2019	Mid 2019	NO			YES	
	4. Staffing resources to workload / traffic review		YES	NO				YES. ATM Procedures	NO		YES	Mid 2019	NO			YES	
	5. ATFM Training completed		NO	NO				NO			NO 2020	NO	NO			Q4 2022	
	6. Forecast demand		NO	NO				NO			YES	YES	NO			Q4 2022	
Interoperability																	
17. Does your State complete automated exchange of ATS messages (e.g. FPL, CHG, CNI, DEP, DLA, EST, ARR, CPL) with any or all adjacent Flight Information Regions (FIRs) or other non-adjacent FIRs?			OMAE-OLDI (OXA-ATNM EST MSGs)	LOGG-OLDI				YES. OSTT, OEJN, HECC, LLLL, ORBB	YES. ORBB, ORBB, OEJN, OXXX, OTBD	YES. All	ONLY WITH OMAE: ABH including revised ABH's, ACT, LAM, PAC	NO	IFPS will be ready for operation 2019. System is sharing the information through OLDI	Yes (All)		OOMM: FPL, CHG, CNI, DEP, DLA, ORBB: FPL, CHG, CNI, DEP, DLA, EST, OEJD: FPL, CHG, CNI, DEP, DLA, OXXX: FPL, CHG, CNI, DEP, DLA, EST	
18. Does your State have plans to complete automated exchange of ATS messages with any or all adjacent Flight Information Regions (FIRs) or other non-adjacent FIRs?			Early 2019- OLDI, OEJN and Doha Approach	BY 2020- AIDC with all except LCCC- OLDI				Estimate Over- Border OSTT, OEJN, HECC, LLLL, ORBB		Yes, Nicosia and Damascus	Planned 2019	YES. ORBB, OEJN, OMAE date TBD	BY 2020	Yes			
19. Does your State exchange Airport Acceptance Rate (AAR) information for primary airports with other FIRs? If there are plans to exchange AAR information, please provide date.			NO	Yes. EURO CONTROL				NA	NO	NO	2020 with all adjacent FIRs	NO	NO	NO		NO	
20. Does your State share adjacent sector capacity information with other FIRs? If there are plans to exchange sector capacity information, please provide date.			NO					NA	NO	NO	2020 with all adjacent FIRs	NO	NO	NO		NO	
21. Does your State have automated Pre-tactical (day prior to the operation) demand monitoring capability? If yes, is the information shared with other FIRs?	Airport Demand		NO					NA	NO	NO	NO	NO	NO	NO		NO	
	Sector Demand									NO	NO	NO	NO	NO		NO	
	Route/Airway Demand									NO	NO	NO	NO	NO		NO	
22. Does your State have automated Tactical (day of the operation) demand monitoring capability? If yes, is the information shared with other FIRs?			NO					NA	NO		NO	NO	NO	NO		YES	
	Airport Demand									NO	NO	NO	NO	NO		YES	
	Sector Demand									NO	NO	NO	NO	NO		YES	
	Route/Airway Demand									NO	NO	NO	NO	NO		YES	
	Arrival Management									NO	NO	NO	NO	NO		YES	
23. Does your State have Strategic, Pre-tactical and Tactical planning agreements with other FIRs?			NO	NO				NO	NO	NO	Only tactical ATFM operations is implemented	NO	NO	NO		NO	
24. Are there plans to initiate these agreements?			NO	NO				NO		NO	NO	Yes	After implementation of IFPS	NO		NO	



32. Does your State initiate the following ATFM Measures with adjacent FIRs?	Miles-in-trail (MIT)		OMAE				YES	NO	YES		OMAE	NO	YES			OOMM, OHX, OBHB	
	Minutes-in-trail (MINIT)		NO				YES	NO	YES		OMAE	NO	YES			OEJD	
	Speed restrictions		NO				YES	NO	YES		OMAE	NO	YES			OOMM, OHX, OBHB, OEJD	
	Airborne Holding		NO				NO	NO	YES			NO	YES			OOMM, OHX, OBHB, OEJD	
	Fix balancing		NO				NO	NO	NO			NO	NO			OOMM, OHX, OBHB, OEJD	
	Altitude/Flight Level capping		OMAE, OKAC				NO	NO	NO			NO	YES			OHX, OOMM	
	Alternative routing options		NO				NO	NO	NO		OMAE	NO	YES			OBHB, OEJD, OOMM	
	Fix crossing times		NO				NO	NO	YES		OMAE	NO	YES			OOMM, OEJD	
	Airport slot		NO				NO	NO	NO			NO	YES			NO	
	Minimum departure intervals (MDIs)		NO				NO	NO	YES			NO	YES			OOMM, OHX	
	Published, pre-defined alternative routes		NO				NO	NO				NO	YES			NO	
	Ground delay program (GDP) – airport arrival constraint		NO				NO	NO				NO	YES			OOMM, OEJD	
	Ground stop (GS)		OMAE, OEJD, OKAC				NO	NO				NO	YES			OOMM, OHX, OBHB, OEJD	
	Ground delay program (GDP) – airspace constraint (also known as airspace flow program: AFP)		NO				NO	NO				NO	YES			NO	
33. What is taken into consideration when an ATFM Measure is implemented			Volume and sector capacity, weather, outages				Delay action/holding miles in trail/minutes in trail				ATCO workload, traffic demand/sector capacity, Airspace complexity and weather.	Capacity overload	• Reduction of ATCOs workload • Reduction of congestion and operating costs			Demand Exceeds capacity, Weather, Military Exercises, Resources, Maintenance/ Outages, Vip movements	
34. How is the duration of the selected ATFM Measure determined?			Tactical decision based on real time information				Regional coordination.				duration of the selected ATFM Measure is determined based on extent of over demand	By traffic levels	Declared capacity will be the main factor			Sector and aerodrome forecast, as well as duration requirements by accepting unit	
35. Does your ANSP carry out any post-operations analysis?			NO				NA				PACA carry out any post-operations analysis	NO	SANS are using the post-analysis			YES	
36. How is the effectiveness of the ATFM Measure analyzed?			NA				NO				The use of flexible statistical tools		Refer to question number 30			Departures: Monthly DST Compliance and Ground delay Arrivals: o Runway throughput and airborne delay	
37. Are the ATFM Measures included in LOAs?			YES				NO	NO	YES		Operational LoA with UAE ACC, Appendix G	NO	NO			YES	
38. Does your State communicate ATFM Measures through automated or verbal communication with adjacent FIRs?	Miles in trail		Automated and verbal with OKAC, OEJD, OMAE				Verbal		Verbal		Verbal OMAE		Verbal			Verbal	
	Speed restrictions						Verbal		Verbal		Verbal OMAE					Verbal	
	Holding						Verbal		Verbal				Verbal			Verbal	
	Altitude						Verbal		Verbal		Verbal OMAE		Verbal			Verbal	
	Fix crossing times						Verbal		Verbal		Verbal OMAE		Verbal			Verbal	
	Airport arrival times						Verbal						Verbal			Verbal	
	Ground delay programs – airport arrival constraint						Verbal						Verbal			Verbal	
	Ground stops		Verbal				Verbal						Verbal			Verbal	
	Ground delay program – airspace constraint						Verbal						Verbal			Verbal	

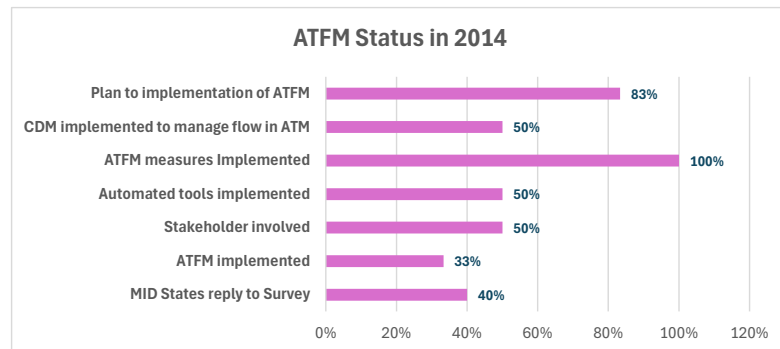
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41. ICAO has identified various ATFM and CDM initiatives in the Aviation System Block Upgrades (ASBU) process (Block 0 and Block 1 to be implemented by 2018). Please identify which of the following have been implemented or are planned to be implemented:	B0-A-CDM Improved Airport Operations through Airport-CDM		2018-2019				Implemented		Planned		2019	Mid 2019	TBD		Q4 2020	
	B0-RSEQ Improved Traffic Flow through Runway Sequencing (LMAN/DMAN)		Partially Full by 2020				Not Implemented				2019	Mid 2019	Q3-2019		Implemented	
	B0-FICE Increased Interoperability, Efficiency and Capacity through Advanced Arrival Management		Partially Full by 2021				Planning no date		Planned		2019		End of 2019		Implemented	
	B0-DATM Service Improvement through Digital Aeronautical Information Management		Implemented				In the process		Planned		2020		Ongoing, Ref questionnaires		Implemented	
	B0-FRTO Improved Operations through Enhanced En-Route Trajectories		Partially Full by 2020				Implemented		Planned		2019		Ongoing, Ref questionnaires		Q4 2020	
	B0-NOPS Improved Flow Performance through Planning based on a		Partially Established ATFM				NO		Planned		2020		2022		Q4 2022	
	B1-A-CDM Optimized Airport Operations through A-CDM Total Airport Management		2018-2019				NO				2020		TBD		Q2 2021	
	B1-RSEQ Improved Airport operations through Departure, Surface and Arrival Management		Partially full by 2020				NO				2019		2021		Q2 2021	
	B1-FICE Increased Interoperability, Efficiency and Capacity through FF		Partially Full by 2020				NO				2019		2020		Q2 2021	
	B1-DATM Service Improvement through Integration of all Digital ATM Information		Partially Full by 2020				NO				2020		2021		Q2 2021	
	B1-SWIM Performance Improvement through the application of System Wide Information Management (SWIM)		2020				NO				2022		Q4 2020		Q2 2019	
	B1-NOPS Enhanced Flow Performance through Network Operational Planning		Regional agreement Planning				NO				2022		2022		Q4 2022	
	B1-AMET Enhanced Operational Decisions through Integrated Meteorological Information		2020				Ongoing				2022		Q4 2020		Q4 2020	
	B1-TBO Improved Traffic Synchronization and Initial Trajectory-Based Operation		Partially by 2020				NO				2022		Q4 2020		Q4 2020	

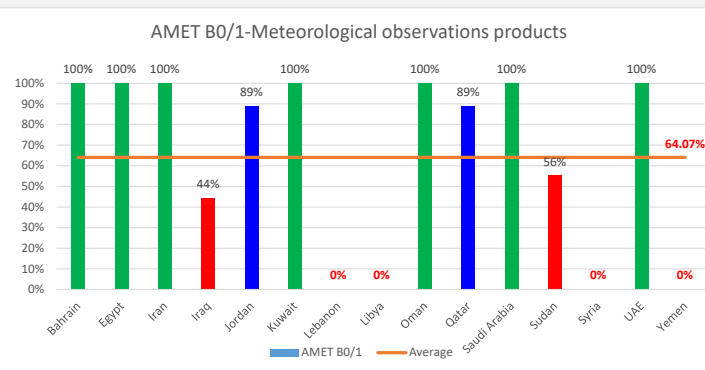


	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen
ATFM implemented															
Stakeholder involved															
Automated tools implemented															
ATFM measures Implemented															
CDM implemented to manage flow in ATM															
Plan to implementation of ATFM															

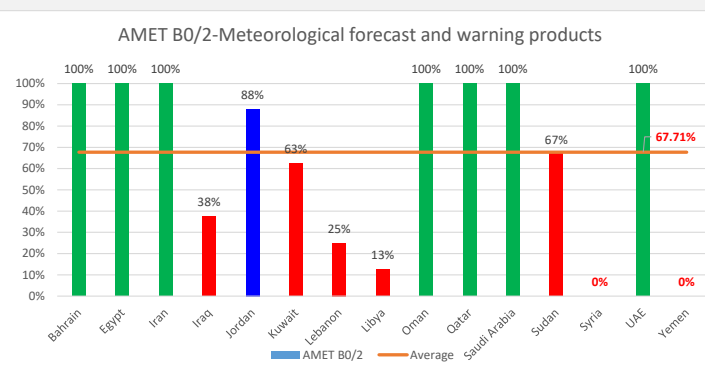
	Result
MID States reply to Survey	40%
ATFM implemented	33%
Stakeholder involved	50%
Automated tools implemented	50%
ATFM measures Implemented	100%
CDM implemented to manage flow in ATM	50%
Plan to implementation of ATFM	83%



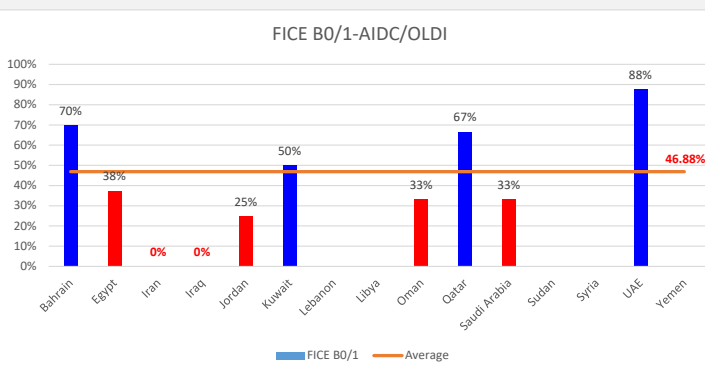
	AMET B0/1	Average
Bahrain	100.00%	64.07%
Egypt	100.00%	64.07%
Iran	100.00%	64.07%
Iraq	44.44%	64.07%
Jordan	89.00%	64.07%
Kuwait	100.00%	64.07%
Lebanon	0.00%	64.07%
Libya	0.00%	64.07%
Oman	100.00%	64.07%
Qatar	89.00%	64.07%
Saudi Arabia	100.00%	64.07%
Sudan	55.56%	64.07%
Syria	0.00%	64.07%
UAE	100.00%	64.07%
Yemen	0.00%	64.07%
Regional average		64.07%



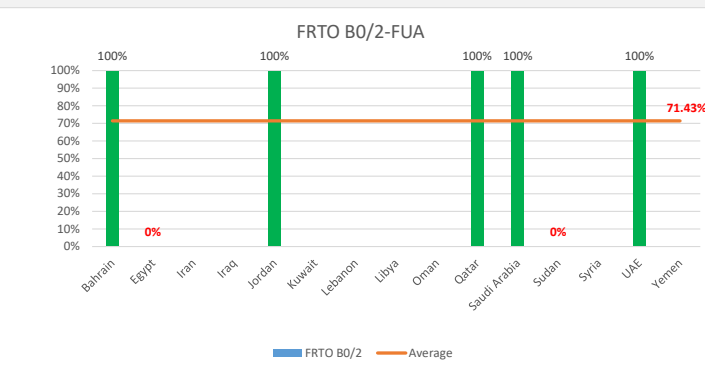
	AMET B0/2	Average
Bahrain	100.00%	67.71%
Egypt	100.00%	67.71%
Iran	100.00%	67.71%
Iraq	37.50%	67.71%
Jordan	88.00%	67.71%
Kuwait	62.50%	67.71%
Lebanon	25.00%	67.71%
Libya	12.50%	67.71%
Oman	100.00%	67.71%
Qatar	100.00%	67.71%
Saudi Arabia	100.00%	67.71%
Sudan	67.00%	67.71%
Syria	0.00%	67.71%
UAE	100.00%	67.71%
Yemen	0.00%	67.71%
Regional average		67.71%



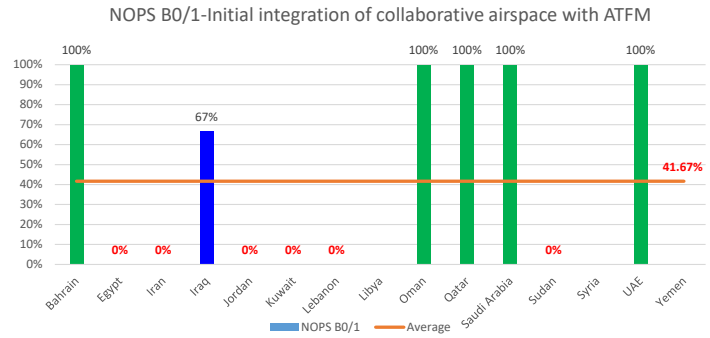
	FICE B0/1	Average
Bahrain	70.00%	46.88%
Egypt	37.50%	46.88%
Iran	0.00%	46.88%
Iraq	0.00%	46.88%
Jordan	25.00%	46.88%
Kuwait	50.00%	46.88%
Lebanon		46.88%
Libya		46.88%
Oman	33.33%	46.88%
Qatar	66.66%	46.88%
Saudi Arabia	33.33%	46.88%
Sudan		46.88%
Syria		46.88%
UAE	87.50%	46.88%
Yemen		46.88%
Regional average		46.88%



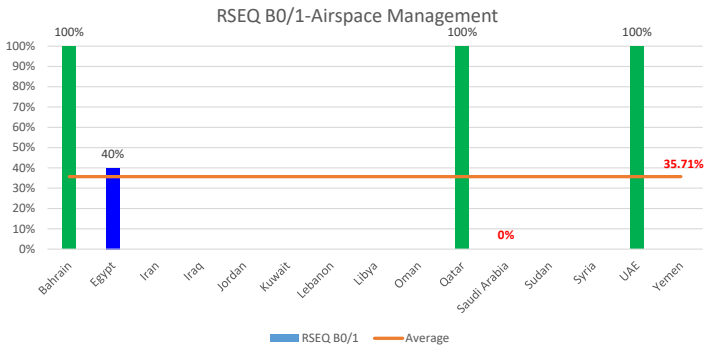
	FRTO B0/2	Average
Bahrain	100.00%	71.43%
Egypt	0.00%	71.43%
Iran		71.43%
Iraq		71.43%
Jordan	100.00%	71.43%
Kuwait		71.43%
Lebanon		71.43%
Libya		71.43%
Oman		71.43%
Qatar	100.00%	71.43%
Saudi Arabia	100.00%	71.43%
Sudan	0.00%	71.43%
Syria		71.43%
UAE	100.00%	71.43%
Yemen		71.43%
Regional average		71.43%



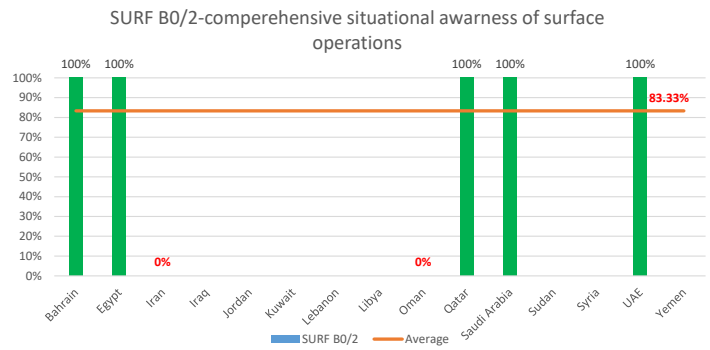
	NOPS B0/1	Average
Bahrain	100.00%	41.67%
Egypt	0.00%	41.67%
Iran	0.00%	41.67%
Iraq	66.67%	41.67%
Jordan	0.00%	41.67%
Kuwait	0.00%	41.67%
Lebanon	0.00%	41.67%
Libya		41.67%
Oman	100.00%	41.67%
Qatar	100.00%	41.67%
Saudi Arabia	100.00%	41.67%
Sudan	0.00%	41.67%
Syria		41.67%
UAE	100.00%	41.67%
Yemen		41.67%
Regional average		41.67%



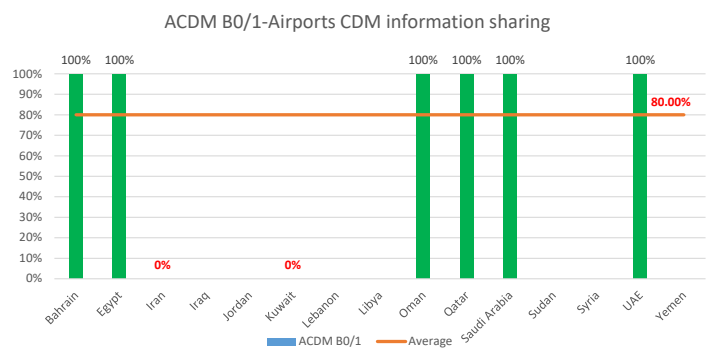
	RSEQ B0/1	Average
Bahrain	100.00%	35.71%
Egypt	40.00%	35.71%
Iran		35.71%
Iraq		35.71%
Jordan		35.71%
Kuwait		35.71%
Lebanon		35.71%
Libya		35.71%
Oman		35.71%
Qatar	100.00%	35.71%
Saudi Arabia	0.00%	35.71%
Sudan		35.71%
Syria		35.71%
UAE	100.00%	35.71%
Yemen		35.71%
Regional average		35.71%



	SURF B0/2	Average
Bahrain	100.00%	83.33%
Egypt	100.00%	83.33%
Iran	0.00%	83.33%
Iraq		83.33%
Jordan		83.33%
Kuwait		83.33%
Lebanon		83.33%
Libya		83.33%
Oman	0.00%	83.33%
Qatar	100.00%	83.33%
Saudi Arabia	100.00%	83.33%
Sudan		83.33%
Syria		83.33%
UAE	100.00%	83.33%
Yemen		83.33%
Regional average		83.33%

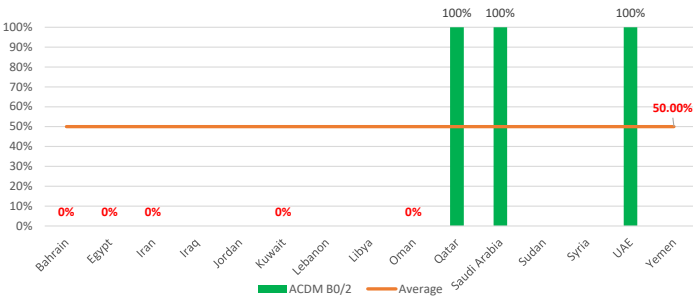


	ACDM B0/1	Average
Bahrain	100.00%	80.00%
Egypt	100.00%	80.00%
Iran	0.00%	80.00%
Iraq		80.00%
Jordan		80.00%
Kuwait	0.00%	80.00%
Lebanon		80.00%
Libya		80.00%
Oman	100.00%	80.00%
Qatar	100.00%	80.00%
Saudi Arabia	100.00%	80.00%
Sudan		80.00%
Syria		80.00%
UAE	100.00%	80.00%
Yemen		80.00%
Regional average		80.00%



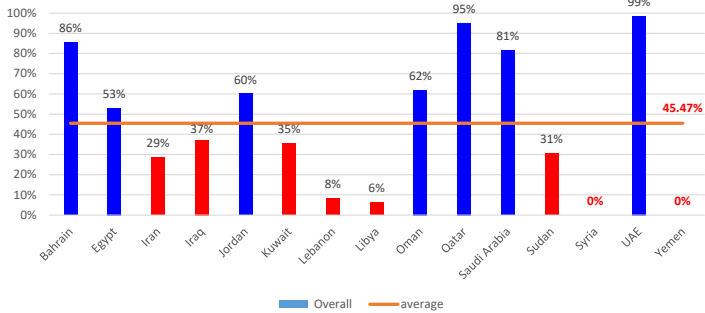
	ACDM B0/2	Average
Bahrain	0.00%	50.00%
Egypt	0.00%	50.00%
Iran	0.00%	50.00%
Iraq		50.00%
Jordan		50.00%
Kuwait	0.00%	50.00%
Lebanon		50.00%
Libya		50.00%
Oman	0.00%	50.00%
Qatar	100.00%	50.00%
Saudi Arabia	100.00%	50.00%
Sudan		50.00%
Syria		50.00%
UAE	100.00%	50.00%
Yemen		50.00%
Regional average		50.00%

ACDM B0/2-integration with ATM network function



	Overall	average
Bahrain	85.55%	45.47%
Egypt	53.05%	45.47%
Iran	28.57%	45.47%
Iraq	37.15%	45.47%
Jordan	60.04%	45.47%
Kuwait	35.41%	45.47%
Lebanon	8.33%	45.47%
Libya	6.25%	45.47%
Oman	61.90%	45.47%
Qatar	95.07%	45.47%
Saudi Arabia	81.48%	45.47%
Sudan	30.64%	45.47%
Syria	0.00%	45.47%
UAE	98.61%	45.47%
Yemen	0.00%	45.47%
Regional average		45.47%

Implementation of ASBU Priority 1 related elements per States



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## Development of State National ATFM

(Implemented or Not implemented)

*MIDANPIRG Conclusion 21/19 item a) based on the guidelines provided in ICAO MID Doc 014: ATFM Plan (V2.0), MID States develop their respective ATFM implementation plan and agreements with adjacent FIRs and share them with ICAO MID*

State	National CMC Plan	Remarks
<b>Bahrain</b>	No update	
<b>Egypt</b>	No update	
<b>Iran</b>	No update	
<b>Iraq</b>	No update	
<b>Jordan</b>	No update	
<b>Kuwait</b>	No update	
<b>Lebanon</b>	No update	
<b>Libya</b>	No update	
<b>Oman</b>	No update	
<b>Qatar</b>	No update	
<b>Saudi Arabia</b>	No update	
<b>Sudan</b>	No update	
<b>Syria</b>	No update	
<b>UAE</b>	No update	
<b>Yemen</b>	No update	

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