



International Civil Aviation Organization

MIDANPIRG/22 & RASG-MID/12 Meetings

(Doha, Qatar, 4 – 8 May 2025)

Agenda Item 5.3: ANS (AIM, PBN, AGA-AOP, ATM-SAR, CNS and MET

Outcome of the ATFM TF/9 meeting

(Presented by 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>
REFERENCE
<ul style="list-style-type: none">- ICAO GANP 7th edition- MIDANPIRG/21 & RASG-MID/11 (Abu Dhabi, UAE, 4 – 8 March 2024) meeting report- RANP/NANP TF/2 (Cairo, Egypt, 17-19 February 2025)- ATM SG/10 (20-23 October 2024, Jeddah, Saudi Arabia)- ATFM TF/9 (27 February 2025, Dubai, UAE)

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.

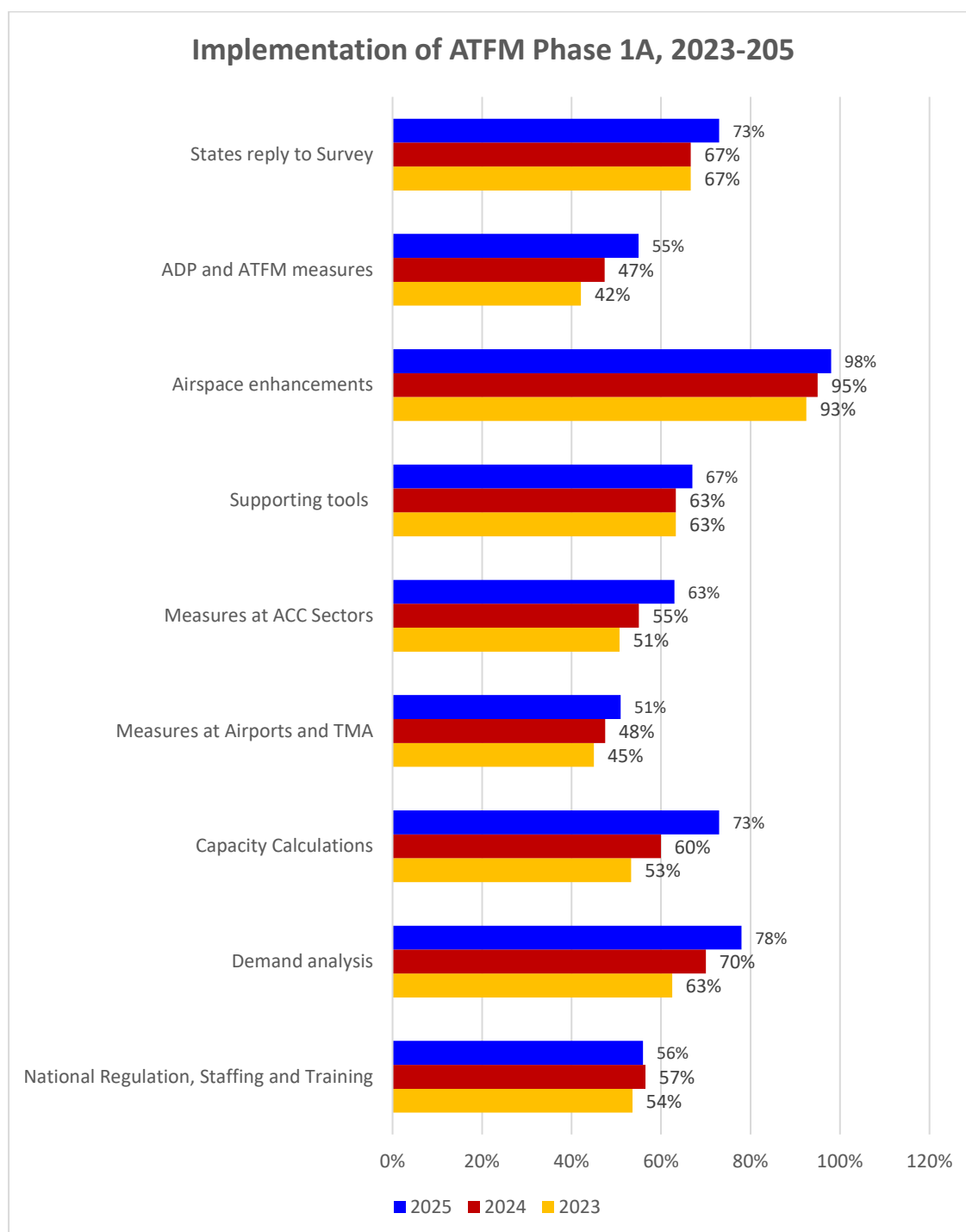
1.2 In this document, Part I, item 5, the implementation of the MID ATFM Plan was carried out in a phased manner as detailed below:

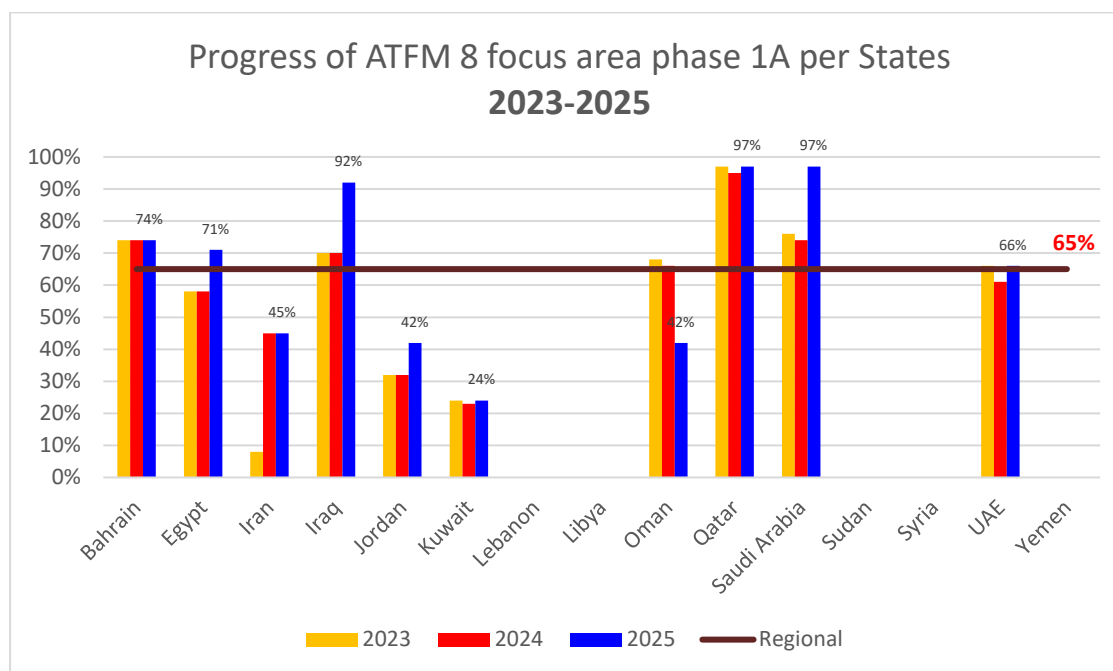
- a) REGIONAL ATFM CAPABILITY PHASE I (2 years)
 - i. PHASE IA (Expected implementation duration, 1 year);
 - ii. PHASE IB (Expected implementation duration, 1 year); and
- b) REGIONAL ATFM CAPABILITY PHASE II (3 years).

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) in June 2025.

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

2.3 Based on MIDANPIRG/21 Report and in particular to Section 5.2 (MID Region Air Navigation priorities and targets,) para. 5.2.19, the ICAO MID Office issued State Letter AN 1/7 – 24/185 dated 15 December 2024 to collect the following information and updates from MID States:

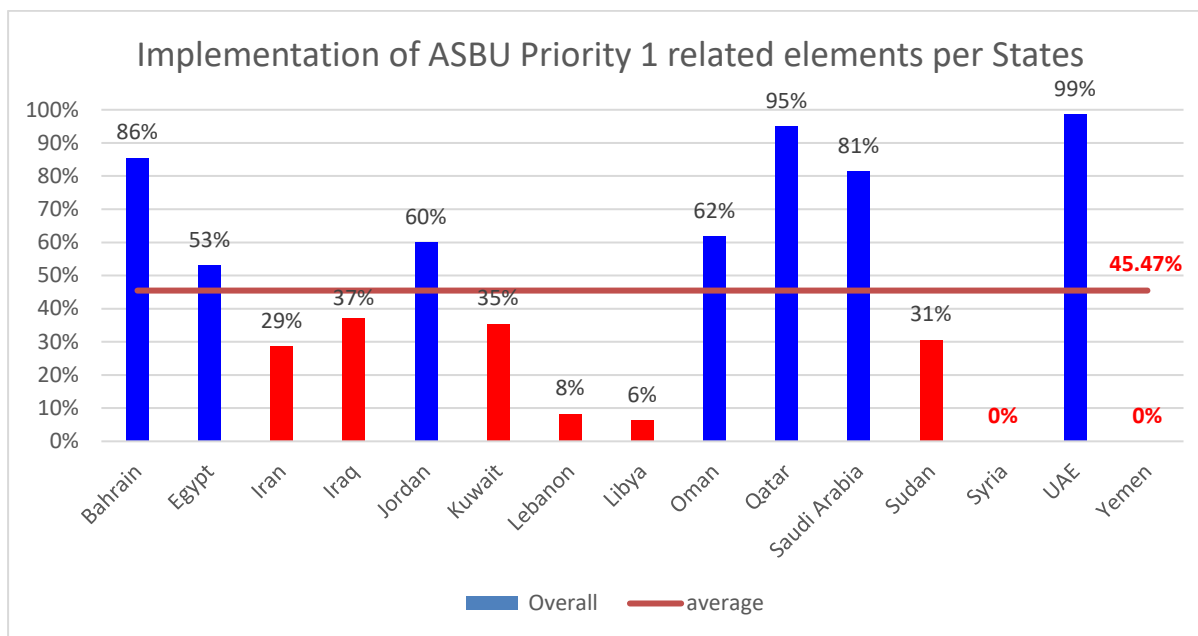
- a) update on the status of implementation of the priority 1 ASBU Threads/Elements;
- b) progress achieved in the implementation of the Performance Based Approach and development of State National Air Navigation Plan (NANP), by completing the Questionnaire; and
- c) State's major achievement(s)/success story(ies) in the air navigation field in 2024.

2.4 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

2.5 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%**.



2.6 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.

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 in June 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.

Implementation of ATFM measures to manage MID region ATM contingency

2.9 The meeting may wish to note that MID States, through direct bilateral/multilateral agreements/procedure with relevant adjacent FIRs or through CCT meetings, have been implementing required ATFM measures to ensure the safe and efficient management of traffic operation. In this context, and in accordance with ICAO MID Doc 014, the following ATFM measures have been implemented based on traffic demand, operational needs and safety/security assessment to manage traffic flow under both normal and contingency situations.

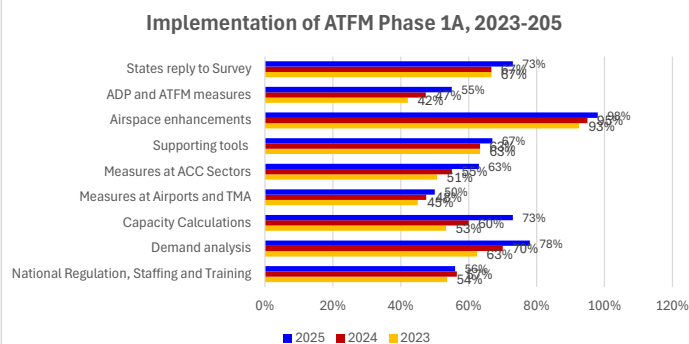
- a) *Mile in Trail*; to manage traffic flow between Cairo and Jeddah FIRs;
- b) *Minutes in Trail*; to manage traffic flow over Khartoum FIR;
- c) *level-capping*; for departure and arrival traffic between Jeddah and Port Sudan airports as well as arrival and departure traffic to Juba airport; and
- d) *re-routing*; to avoid conflict zone by utilizing the route options within Addis Ababa, Asmara, Jeddah, and Cairo FIRs.

3. ACTION BY THE MEETING

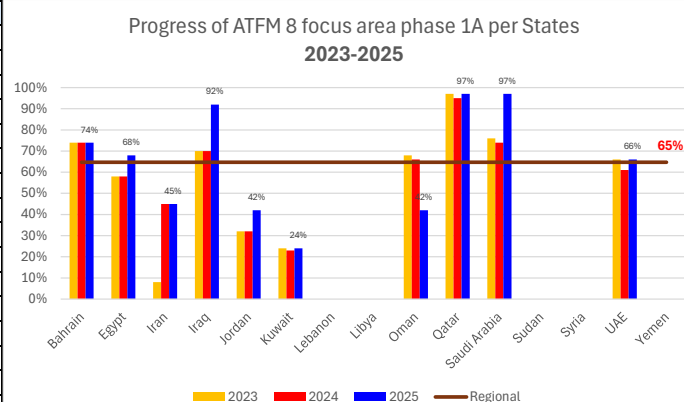
3.1 The meeting is invited to:

- 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;
- c) urge all MID States to provide required feedback to ICAO MID survey regarding implementation of ATFM Phase 1A and IB;
- 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 and ATFM TF/10 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 ATM SG/11 and 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.

	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%
Regional	57%	60%	65%	65%



Area	Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Egypt
1 National Regulation, Staffing and Training	Has your State promulgated National regulations for the implementation of ATPM? (Ref. to: ILS, Chapter 9, Para 5.7.5 and Doc 4444, Chapter 5, Para 3.3)	1	1	1	1	1	2	1	1	2	1
	Has your State developed national ATPM procedure to meet the ICAD MD ATPM Plan (Doc 5548 Part I Phase A Para 5.5)?	1	2	1	1	1	2	2	1	2	1
	Has your State/ANSP established an Organizational structure including ATPM post(s)? (in accordance with Doc 9971, Part I, Chapter 5, Para 3.3)	1	1	1	2	1	2	2	1	1	1
	Has your State/ANSP assigned/recreated staff (with clear job Description) for provision of ATPM services?	2	2	1	2	1	2	2	1	2	1
	Has your State/ANSP conducted the required Training for ATPM Personnel? (Ref. MD Doc 014, Part I, Para 5.6.4 & 5.6.5 as well as Appendix B)	2	2	1	2	1	2	2	1	2	1
	Has your State/ANSP conducted awareness for ATM staff on the basics of ATPM and its connection with ATS units? (Ref. ICAD MD Doc 014, Part I, Appendix I, Attachment C)	1	1	1	1	1	1	1	1	2	2
	Has your State/ANSP conducted workshops / training courses to introduce the basics of ATPM's internal standards including Airspace Users (AUs)?	2	2	1	2	1	1	2	1	2	2
2 Demand analysis	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors?	1	1	1	2	1	1	1	1	2	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA(s)? (Ref. ICAD MD Doc 014, Part I, Para 5.7)	1	1	1	2	1	1	1	1	2	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors?	1	1	1	2	1	1	1	1	2	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA(s)? (Ref. ICAD MD Doc 014, Part I, Para 5.7)	1	2	1	2	1	1	1	1	2	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors?	1	2	1	2	1	1	1	1	2	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA(s)? (Ref. ICAD MD Doc 014, Part I, Para 5.7)	1	2	1	2	1	1	1	1	2	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors?	1	2	1	2	1	1	1	1	2	1
3 Capacity Calculations	Has your State/ANSP performed capacity calculation (strategic level) at international Airports?	1	1	2	2	1	1	1	1	1	1
	Has your State/ANSP performed capacity calculation (strategic level) at TMA(s)?	1	2	2	2	1	1	2	1	1	1
	Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS route segments?	1	1	1	1	1	1	2	1	1	1
	Has your State/ANSP performed a regular (30-annual, quarterly, monthly...) analysis of traffic demand at international Airports? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	1	1	1	2	1	1	2	1	1	2
	Has your State/ANSP performed a regular (30-annual, quarterly, monthly...) analysis of traffic demand at TMA(s)? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	1	2	1	2	1	1	2	1	1	2
	Does your State/ANSP develop procedures to collect, analyse and disseminate constraints at the identified Airports and TMA's related to capacity, Weather, equipment outage, Runway closure and other operational issues?	1	2	1	2	1	2	2	1	2	1
	Is the FHO BOP, Airspace planning and Flexible Use of Airspace (FUA) in TMA(s)?	1	1	1	2	1	1	2	1	1	1
4 Measures at Airports and TMA	Does your State/ANSP perform daily pre-tactical capacity and demand analysis at all Airports included in the ATPM programme? (Ref. on ICAD MD Doc 014, Part I, Para 5.8)	1	2	1	2	1	2	1	1	2	2
	Does your State/ANSP develop daily pre-tactical capacity and demand analysis at TMA(s)? (Ref. on ICAD MD Doc 014, Part I, Para 5.8)	2	2	1	2	1	2	2	1	2	2
	Has your State/ANSP developed the required ACC procedures related to the implementation of ATPM at relevant international Airports?	2	2	1	2	1	2	2	1	2	1
	Has your State/ANSP developed ATPM Letter of Agreement/Procedures between the ACC units and identified Airports within your FHO?	1	2	1	2	1	2	2	1	2	1
	Has your State/ANSP performed a regular (30-annual, quarterly, monthly...) analysis of traffic demand at ACC sectors?	1	1	1	2	1	1	2	1	1	1
	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors?	1	1	1	2	1	1	2	1	1	1
	Has your State/ANSP developed a procedure to collect, analyse and disseminate constraints at enroute related to capacity, equipment outage, Airspace reservation, Runway closure and operational issues?	1	2	1	2	1	1	2	1	2	1
5 Measures at ACC Sectors	Is the FHO BOP, Airspace planning and Flexible Use of Airspace (FUA) in ACC sectors?	2	1	1	2	1	1	2	2	1	2
	Does your State/ANSP perform daily pre-tactical capacity and demand analysis at ACC sectors?	1	2	1	2	1	2	2	1	2	1
	Has your State/ANSP developed the required ACC procedures related to the implementation of ATPM at relevant ACC sectors?	1	2	1	2	1	1	2	1	2	2
	Has your State/ANSP developed ATPM Letter of Agreement/Procedures between the ACC(s) and the relevant ACC(s)?	1	2	1	2	1	1	1	1	2	2
	Does the ATM automation system (if available) include a Basic conflict detection and Conformance monitoring (FHO BOP)?	1	2	1	1	1	1	1	1	1	1
	Has your State/ANSP 1 NOPS BD-1: Initial integration of collaborative airspace management with ATM?	2	2	1	1	2	2	2	1	2	2
	Has your State/ANSP 1 FCE BD-1: Automated basic Inter-facility data exchange (ADC/COL/DAT)?	1	2	2	1	1	1	1	1	1	1
6 Supporting tools	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
	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
	Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACC(s)?	1	1	1	1	1	1	1	1	1	1
	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
7 Airspace enhancements	Does your State/ANSP develop coordinated ATPM Daily Plan (ADP) and share with the concerned Stakeholders?	2	2	1	2	1	2	2	1	2	2
	Has your State/ANSP 1 NOPS BD-1: Initial integration of collaborative airspace management with ATM?	2	2	1	2	1	2	2	1	2	2
	Has your State/ANSP 1 FCE BD-1: Automated basic Inter-facility data exchange (ADC/COL/DAT)?	1	2	2	1	1	1	1	1	1	1
	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
8 ADP and ATPM measures	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
	Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACC(s)?	1	1	1	1	1	1	1	1	1	1
	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
	Does your State/ANSP develop coordinated ATPM Daily Plan (ADP) and share with the concerned Stakeholders?	2	2	1	2	1	2	2	1	2	2
Overall implementation		74%	45%	92%	34%	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 ATPM measures	55%
States reply to Survey	73%

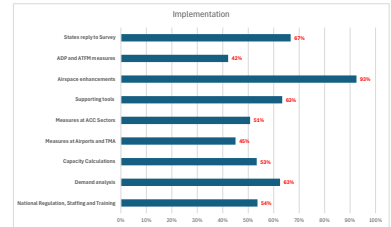
Area		Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Egypt
5.National Regulation, Staffing and Training	U-1	Has your State promulgated national regulations for the implementation of ICDMP? (Ref: AIC 13, Chapter 3, Para 3.7.5 and Doc 4444, Chapter 5, Para 3.2.)	1	1	1	1	1	2	2	1	2	1
	U-2	Has your State developed national ATM procedures to meet the ICAGO ATM Plan (Doc 15.6) Part Phase A Para 3.7?	1	2	1	1	1	2	1	1	1	2
	U-3	Has your State/ANSP established an Organizational structure including ATM units? (see correspondence with Doc 9973, Part I, Chapter 3, Para 3.1)	1	1	1	2	1	2	1	1	2	1
	U-4	Has your State/ANSP assigned/mixed staff with clear job descriptions for provision of ATM services?	2	2	1	2	1	2	2	1	2	1
	U-5	Has your State/ANSP conducted the required training for ATM Personnel? (Ref: ICDMP Doc 15.4, Part I, Para 3.6.6 & 3.6.8 as well as Appendix 3)	2	2	1	2	1	2	1	1	2	2
	U-6	Has your State/ANSP conducted awareness for ATM staff on the basis of ATM and its connection with ATIS units? (Ref: ICAO MD Doc 15.4, Part I, Appendix 1, Attachment C)	1	2	1	2	1	1	1	1	1	1
	U-7	Has your State/ANSP conducted workshops / training courses to introduce the basics of ATM to concerned stakeholders including Airspace Users (ADSP)?	2	2	1	1	1	1	1	1	2	2
	U-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 MD Doc 15.4, Part I, Para 5.7)	1	1	2	2	1	1	1	1	2	1
	U-9	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMA? (Ref: based on ICAO MD Doc 15.4, Part I, Para 5.7)	1	1	2	2	1	1	1	1	2	1
	U-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 MD Doc 15.4, Part I, Para 5.7)	1	1	1	2	1	1	1	2	2	1
3.Demand analysis	U-11	Has your State identified Airspace (TMA, ACC sectors) or Airports where Air Traffic Demand could exceed or expected to exceed the capacity of Air Traffic Services equipment? To be included in ATM Programmes	1	2	1	1	1	1	1	1	2	1
	U-12	Has your State/ANSP performed capacity calculation (strategic level) at international airports?	1	1	1	2	1	1	2	1	2	2
	3.Capacity Calculations	U-13	Has your State/ANSP performed capacity calculation (strategic level) of TMA? (Ref: based on ICAO MD Doc 15.4, Part I, Para 5.7)	1	2	2	1	1	1	2	2	2
		U-14	Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS route segments?	1	1	1	2	1	1	1	1	1
		U-15	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly, ...) analysis of traffic demand at international airports? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.6)	1	1	2	2	1	1	1	1	1
		U-16	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly, ...) analysis of traffic demand at TMA? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.6)	1	2	2	2	1	1	2	1	1
		U-17	Does your State/ANSP developed procedure to collect, analyze and disseminate constraints at the identified Airports) and TMA related to capacity, Weather, equipment failure, Runway closure and other operational issues?	1	2	1	2	1	2	1	1	2
	4.Measures at Airports and TMA	U-18	Is the FRTO B02: Airspace planning and Flexible Use of Airspace (FUA) 1 in TMA? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8)	2	2	1	2	1	2	1	2	1
		U-19	Does your State/ANSP develop daily pre-tactical capacity and demand analysis at TMA? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8)	2	2	2	2	1	2	2	2	1
	U-20	Has your State/ANSP developed the required ATC procedures related to the implementation of ATM at relevant international Airports?	2	2	1	2	2	2	1	2	2	2
3.Measures at ACC Sectors	U-21	Has your State/ANSP developed ATM Letter of Agreement/Procedures between the ATC units and identified Airports within your FIR?	1	2	2	2	1	2	1	2	2	2
	U-22	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly, ...) analysis of traffic demand at ACC sectors? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.6)	1	1	1	2	1	1	1	1	1	1
	U-23	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.7)	1	1	1	2	1	1	1	2	1	1
	U-24	Has your State/ANSP developed a procedure to collect, analyze and disseminate constraints at enroute related to capacity, equipment outage, Airspace reservation, Runway closure and operational issues?	1	2	1	1	1	2	1	1	2	2
	U-25	Is the FRTO B02: Airspace planning and Flexible Use of Airspace (FUA) 1 in ACC sectors?	2	2	1	2	2	1	1	1	2	2
	U-26	Does your State/ANSP perform daily pre-tactical capacity and demand analysis at ACC sectors? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8)	1	2	1	1	1	2	1	2	2	1
	U-27	Has your State/ANSP developed the required ATC procedures related to the implementation of ATM at relevant ACC sectors?	1	2	1	2	1	1	1	2	2	2
	U-28	Has your State/ANSP developed ATFM/Letter of Agreement/Procedures between the ATC units and identified Airports?	1	2	2	2	1	2	1	2	2	2
	U-29	Does the ATM automation system (if available) include a Basic conflict detection and performance monitoring (PRD B04)?	1	2	1	1	1	2	1	1	1	1
	U-30	Has your State/ANSP 1) ICDP B01: Initial Integration of collaborative airspace management with ATFM?	2	2	1	1	2	2	2	2	2	2
8.Supporting tools	U-31	Has your State/ANSP 2) ICDP B01: Automated basic inter-facility data exchange (ABCD) OLDP?	1	2	1	1	1	1	1	1	1	1
	U-32	Has your State/ANSP identified a need for improvement to optimize the operations within the TMA? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8)	1	1	1	1	1	1	1	1	1	1
	U-33	Has your State/ANSP identified a need for improvement to optimize the operations of the ACC? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8)	1	1	1	1	1	1	1	1	1	1
	U-34	Has your State/ANSP identified a need for improvement at the interface with adjacent ACC? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8)	1	1	1	1	1	1	1	1	1	2
	U-35	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
	U-36	Does your State/ANSP develop coordinated ATFM Daily Plan (ADP) and share with the concerned Stakeholders? (Ref: on ICAO MD Doc 15.4, Part I, Para 5.8 and 5.10)	2	2	1	2	1	2	2	2	2	2
	U-37	Based on your capacity re-demand analysis, has your State identified the need to implement ATFM Measures?	2	1	1	1	1	1	1	1	2	1
	U-38		24%	45%	70%	35%	95%	61%	86%	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 ATFM measures	47%
States reply to Survey	67%



	Area	Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Egypt
I-1	National Regulation, Staffing and Training	Has your State promulgated National regulations for the implementation of ATPM? (Ref. to: ILS, Chapter 9, Para 3.7.5 and Doc 4444, Chapter 5, Para 3.2)	1	2	1	1	1	2	2	1	2	1
I-2		Has your State developed national ATPM procedure to meet the ICAD MD ATPM Plan (Doc 5548 Part I Phase A Para 5.5)?	1	2	1	1	1	2	1	1	2	2
I-3		Has your State/ANSP established an Organizational structure including ATPM post(s)? (in accordance with Doc 9971, Part I, Chapter 5, Para 3.3)	1	2	1	2	1	2	1	1	2	1
I-4		Has your State/ANSP assigned/decreased staff (with clear Job Description) for provision of ATPM services?	2	2	1	2	1	2	2	1	2	1
I-5		Has your State/ANSP conducted the required Training for ATPM Personnel? (Ref. MD Doc 014, Part I, Para 5.6.4 & 5.6.5 as well as Appendix B)	2	2	1	2	1	2	1	1	2	1
I-6		Has your State/ANSP conducted awareness for ATM staff on the basics of ATPM and its connection with ATS units? (Ref. ICAD MD Doc 014, Part I, Appendix C, attachment C)	1	1	1	1	1	1	1	1	2	1
I-7		Has your State/ANSP conducted workshops / Training courses to introduce the basics of ATPM's external stakeholders including Airspace Users (AUs)?	2	2	1	2	1	1	1	1	2	1
I-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 ICAD MD Doc 014, Part I, Para 5.7)	1	2	2	2	1	1	1	1	2	1
I-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 ICAD MD Doc 014, Part I, Para 5.7)	1	2	2	2	1	1	1	1	2	1
I-10		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC Sector(s)? (Ref. based on ICAD MD Doc 014, Part I, Para 5.7)	1	2	1	2	1	1	1	2	2	1
I-11		Has your State identified Airspaces (TMA, ACC sectors) or Airports where Air Traffic demand could be next or expected to exceed the capacity of Air Traffic Services concerned? To be included in ATPM Programme.	1	2	1	2	1	1	1	1	2	1
I-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
I-13		Has your State/ANSP performed capacity calculation (strategic level) at TMA(s)?	1	2	2	2	1	1	2	1	2	2
I-14		Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS units segments?	1	1	1	1	1	1	1	1	2	1
I-15		Has your State/ANSP performed a regular (30-annual, quarterly, monthly...) analysis of traffic demand at international Airports? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	1	2	2	2	1	1	1	1	1	1
I-16		Has your State/ANSP performed a regular (30-annual, quarterly, monthly...) analysis of traffic demand at TMA(s)? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	1	2	2	2	1	1	1	1	1	1
I-17		Does your State/ANSP develop procedure to collect, analyse and disseminate constraints at the identified Airports? 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
I-18		Is the IPRC BO-2, Airspace planning and Feasible Use of Airspace (FUA) 1 in TMA(s)?	1	2	2	2	1	1	2	1	1	1
I-19	Measures at Airports and TMA	Does your State/ANSP perform daily pre-tactical capacity and demand analysis at all Airports included in the ATPM programme? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	2	2	1	2	1	2	1	2	2	1
I-20		Does your State/ANSP develop daily pre-tactical capacity and demand analysis at TMA(s)? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	2	2	2	2	1	2	2	2	2	1
I-21		Has your State/ANSP developed the required ACC procedures related to the implementation of ATPM at relevant international Airports?	2	2	1	2	1	2	1	1	2	2
I-22		Has your State/ANSP developed ATPM Letter of Agreement/Procedures between the ACC units and identified Airports within your FIR?	1	2	2	2	1	2	2	2	2	2
I-23		Has your State/ANSP performed a regular (30-annual, quarterly, monthly...) analysis of traffic demand at ACC sectors? (Ref. on ICAD MD Doc 014, Part I, Para 5.6)	1	2	1	2	1	1	1	1	1	1
I-24		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at ACC sectors? (Ref. on ICAD MD Doc 014, Part I, Para 5.7)	1	2	1	2	1	1	1	1	2	1
I-25		Has your State/ANSP developed a procedure to collect, analyse 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
I-26	Measures at ACC Sectors	Is the IPRC BO-2, Airspace planning and Feasible Use of Airspace (FUA) 1 in ACC sectors?	2	2	2	2	2	1	1	1	2	2
I-27		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at ACC sectors?	1	2	1	2	1	2	1	2	2	1
I-28		Has your State/ANSP developed the required ACC procedures related to the implementation of ATPM at relevant ACC sectors?	1	2	1	2	1	1	1	1	2	2
I-29		Has your State/ANSP developed ATPM Letter of Agreement/Procedures between the ACC(s) and the relevant ACC(s)?	1	2	2	2	1	1	2	1	2	2
I-30		Does the ATM automation system (if available) include a Basic conflict detection and conformance monitoring (BPCD BO-4)?	1	2	1	1	1	2	1	1	1	1
I-31		Has your State/ANSP 1 NOPS BO-1: Initial integration of collaborative airspace management with ATM?	2	2	1	1	1	2	2	2	2	1
I-32		Has your State/ANSP 1 FICE BO-1: Automated basic inter-facility data exchange (AEDC/DOW)?	1	2	2	1	1	1	1	1	1	1
I-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
I-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
I-35		Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACC(s)?	1	1	1	1	1	1	1	1	1	1
I-36	ADP and ATPM 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
I-37		Does your State/ANSP develop coordinated ATPM Daily Plan (ADP) and share with the concerned Stakeholders? (Ref. on ICAD MD Doc 014, Part I, Para 5.8 and 5.10)	2	2	1	2	1	2	2	2	2	2
I-38		Based on your capacity vs demand analysis, Has your State identified the need to implement ATPM measures?	2	2	1	1	1	1	1	1	1	1
Overall Implementation			24%	8%	26%	24%	97%	61%	68%	28%	32%	58%

	Implementation
National Regulation, Staffing and Training	54%
Demand analysis	69%
Capacity Calculations	59%
Measures at Airports and TMA	49%
Measures at ACC Sectors	55%
Supporting tools	63%
Airspace enhancements	59%
ADP and ATPM measures	42%
States reply to Survey	67%

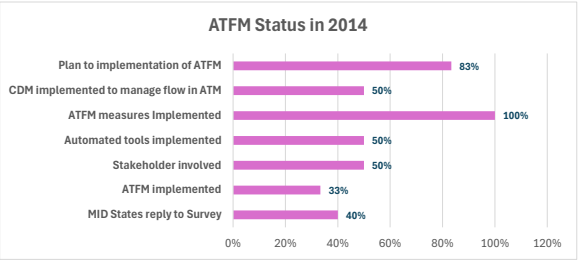


Question	Bahrain	Egypt	Iran	Iraq	Jordan	Kuwait	Lebanon	Libya	Oman	Qatar	Saudi Arabia	Sudan	Syria	UAE	Yemen
ATFM Structure and Organization															
1. Does your State have a regulatory requirement for ATFM to be implemented in your FIR?	YES	YES			NO	YES	NO		YES	NO	YES	NO		NO	
2. Does your State have an operational requirement (e.g. demand exceeding capacity) for ATFM in your FIR?	YES	YES (due to ATFM in the FIR)			NO	NO	NO		YES (operational demand in the FIR)	YES	YES	NO		YES	
3. Does your State have future plans or initiatives for ATFM in your FIR?	YES	YES (due to ATFM in the FIR)			NO	NO	Yes to expand services		YES (due to ATFM in the FIR)	YES	YES	NO		YES	
4. Does your State have an organizational structure including the following facilities under working provision? If future organizational structure is planned, please include date.	ATFM Services	NO	YES		NO	NO	NO		NO	NO	NO	NO		NO	
ATFM Operational Manager	NO	YES			NO	NO	NO		NO	NO	NO	NO		NO	
National ATFM center	NO	YES			NO	NO	NO		NO	NO	NO	NO		NO	
Area control center(s)	NO	YES (due to ATFM in the FIR)			NO	NO	NO		NO	NO	NO	NO		NO	
Approach control(s)	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Control tower(s)	NO	YES (due to ATFM in the FIR)			NO	NO	NO		NO	NO	NO	NO		NO	
5. If there is existing ATFM function performed, are there dedicated resources for these ATFM functions/positions or are these functions provided by another operational position?	Dedicated resource	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Another Operational Position	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
6. Does your State have Letters of Agreement (LOA) that include ATFM with any of the following stakeholders? If yes, please provide a copy or relevant excerpt of the LOA(s) with the survey response.	OMAA & OEDP	NO			NO	NO	YES (Nasiriyah)		OMAA	NO	NO	NO		YES (OMAA, OEDP, OEDP)	
7. Stakeholders															
Airport Operators	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Aircraft Operators	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Military	NO	YES (due to ATFM in the FIR)			NO	NO	NO		NO	NO	NO	NO		NO	
General Aviation	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
ATFM Units	NO	YES (due to ATFM in the FIR)			NO	NO	NO		NO	NO	NO	NO		NO	
National ATFM center	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Area control center	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Approach control	YES (DOHA)	NO			NO	NO	NO		NO	NO	NO	NO		YES (OMAA, OEDP, OEDP)	
Control tower	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
8. Does your State have existing CDM procedures (planned or Ad-hoc Teleconferences) under which the following CDM procedures are provided? If future CDM procedures are planned, please add the date.	Airport Operators	YES			NO	YES	NO		NO	NO	NO	NO		NO	
Aircraft Operators	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Military	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
General Aviation	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Area control center	NO	NO			NO	YES	NO		NO	NO	NO	NO		NO	
Approach control	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Control tower	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Other ANSP ATFM Units	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
Other ANSP ATFM Units	NO	NO			NO	NO	NO		NO	NO	NO	NO		NO	
9. Does your State's ATFM unit(s) perform the following tasks? If future implementation is planned, please add the date.	1. Control and distribute an ATFM daily plan	NO	Planned 2020		NO	NO	NO		NO	NO	NO	NO		NO	
2. Collect the following relevant information	2.1. Current and forecasted meteorological conditions	NO	Planned 2020		NO	NO	NO		YES	NO	NO	NO		NO	
2.2. Capacity constraints	NO	NO	NO		NO	NO	NO		YES	NO	NO	NO		NO	
2.3. Equipment outages	NO	Planned 2020			NO	NO	YES		YES	NO	NO	NO		YES	
2.4. Capacity constraints	NO	Planned 2020			NO	NO	YES		YES	NO	NO	NO		YES	
2.5. Operational procedures	NO	Planned 2020			NO	NO	NO		YES	NO	NO	NO		YES	
3. Analyze and distribute relevant information	NO	Planned 2020			NO	NO	NO		YES	NO	NO	NO		YES	
4. Coordination procedures with stakeholders (indicate methodology, voice meetings, email and frequency) in the comments section	NO	Planned 2020			NO	NO	YES (because of special events coordination is carried out with all stakeholders)		YES (Voice meetings)	NO	NO	NO		YES	
5. Structured information dissemination process, i.e. website	NO	Planned 2020			NO	NO	NO		NO	NO	NO	NO		YES	
10. Are the following CDM elements included as part of your stakeholder's participation in the ATFM process?	1. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2. Telephone conferences	2.1. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.2. Telephone conferences	2.2. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.3. Telephone conferences	2.3. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.4. Telephone conferences	2.4. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.5. Telephone conferences	2.5. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.6. Telephone conferences	2.6. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.7. Telephone conferences	2.7. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.8. Telephone conferences	2.8. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.9. Telephone conferences	2.9. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.10. Telephone conferences	2.10. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.11. Telephone conferences	2.11. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.12. Telephone conferences	2.12. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.13. Telephone conferences	2.13. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.14. Telephone conferences	2.14. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.15. Telephone conferences	2.15. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.16. Telephone conferences	2.16. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.17. Telephone conferences	2.17. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.18. Telephone conferences	2.18. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.19. Telephone conferences	2.19. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.20. Telephone conferences	2.20. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.21. Telephone conferences	2.21. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.22. Telephone conferences	2.22. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.23. Telephone conferences	2.23. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.24. Telephone conferences	2.24. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.25. Telephone conferences	2.25. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.26. Telephone conferences	2.26. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.27. Telephone conferences	2.27. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.28. Telephone conferences	2.28. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.29. Telephone conferences	2.29. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.30. Telephone conferences	2.30. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.31. Telephone conferences	2.31. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.32. Telephone conferences	2.32. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.33. Telephone conferences	2.33. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.34. Telephone conferences	2.34. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.35. Telephone conferences	2.35. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.36. Telephone conferences	2.36. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.37. Telephone conferences	2.37. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.38. Telephone conferences	2.38. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.39. Telephone conferences	2.39. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.40. Telephone conferences	2.40. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.41. Telephone conferences	2.41. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.42. Telephone conferences	2.42. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.43. Telephone conferences	2.43. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.44. Telephone conferences	2.44. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.45. Telephone conferences	2.45. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.46. Telephone conferences	2.46. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.47. Telephone conferences	2.47. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.48. Telephone conferences	2.48. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.49. Telephone conferences	2.49. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.50. Telephone conferences	2.50. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.51. Telephone conferences	2.51. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.52. Telephone conferences	2.52. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.53. Telephone conferences	2.53. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.54. Telephone conferences	2.54. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.55. Telephone conferences	2.55. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.56. Telephone conferences	2.56. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.57. Telephone conferences	2.57. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.58. Telephone conferences	2.58. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.59. Telephone conferences	2.59. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.60. Telephone conferences	2.60. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.61. Telephone conferences	2.61. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.62. Telephone conferences	2.62. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.63. Telephone conferences	2.63. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.64. Telephone conferences	2.64. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.65. Telephone conferences	2.65. Aircraft Operators	NO			YES	NO	NO		YES	NO	NO	NO		YES (CRL, JAL, CRL, JAL, CRL)	
2.66. Telephone conferences	2.66. Aircraft Operators	NO			YES										

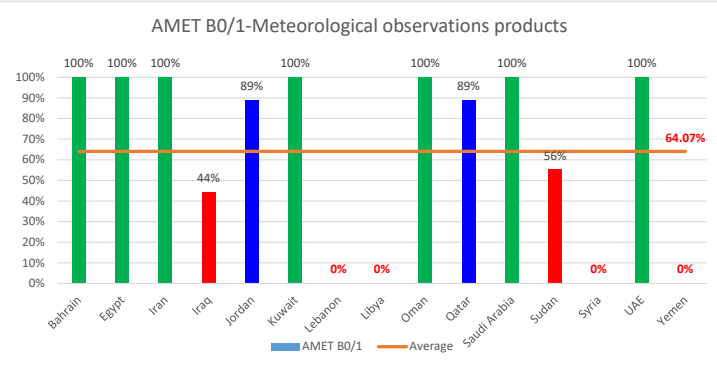
36. How is the effectiveness of the ATM Measure analysed?		NA			NA			The use of realistic simulated tests		Refer to question number 30		Dependent. Monthly DEX Compliance and Ground delay Average is running throughout and no adverse delay	
37. Are the ATM Measures included in LCM?		YES			NA	NA	YES	Operational Test with ULM, ACU, Simulators	NA	NA		YES	
38. Does your State communicate ATM Measures through information or verbal communication with adjacent FIRs?	Miles to land	Information and verbal with FIRs, ACU, ATIS, OROCA			Verbal		Verbal	Verbal OROCA		Verbal		Verbal	
	Speed restrictions				Verbal		Verbal	Verbal OROCA				Verbal	
	Holding				Verbal		Verbal			Verbal		Verbal	
	Altitude				Verbal		Verbal	Verbal OROCA		Verbal		Verbal	
	Fix crossing times				Verbal		Verbal	Verbal OROCA		Verbal		Verbal	
	Arrival arrival times				Verbal		Verbal						
	Ground delay programs - airport entry constraint				Verbal		Verbal			Verbal		Verbal	
	Ground delay programs - airport entry constraint	Verbal			Verbal		Verbal			Verbal		Verbal	
	Ground delay programs - airport entry constraint				Verbal		Verbal			Verbal		Verbal	
39. If your State has future ATM initiatives planned other than FDR please list them below.	Initiative Title	NA			NA			Regional ATM coordination with MRO Member States		NA		Cross Border Air Traffic Management (SCAMM)	
	Primary Functions											Ground delay average	
	Status (Planning, Approval, Implementation, Testing)							Planning				Planning	
	Initial Operational Capability Date							NA				Q4 2020	
	Full Operational capability Date							NA				Q4 2020	
	Initiative Title												
	Primary Functions												
	Status (Planning, Approval, Implementation, Testing)												
	Initial Operational Capability Date												
	Full Operational capability Date												
40. If your State has future ATM initiatives planned, please list them below.	Initiative Title				NA			CDM EXCHANGE OF DATA with ULM	STAC, ATCMA Study future airport concept project	Waiting for regional initiative		Assess CDM and Management	
	Primary Functions								Re-optimization of the whole airport			Collaborative Decision Making	
	Status (Planning, Approval, Implementation, Testing)							Planning	Planning			Testing	
	Initial Operational Capability Date								2022			Q4 2024	
	Full Operational capability Date								2023			Q4 2025	
	Initiative Title				NA			CDM EXCHANGE OF DATA with ULM	IFPS initial flight plan processing system	Waiting for regional initiative			
	Primary Functions								Exchange ATIS service messages and RPL				
	Status (Planning, Approval, Implementation, Testing)							Planning	In progress, designing phase				
	Initial Operational Capability Date								Q4 2023				
	Full Operational capability Date								Q4 2024				
41. EAD has identified various ATM and CDM initiatives in the Aviation System Block Upgrades (ASBU) process (Block 6 and Block 1) to be implemented by 2018. Please identify which of the following have been implemented or are planned to be implemented	RO-ACDM Improved Airport Operations through Improved CDM	NA			Implemented		Planned	2019	Mid 2019	TD		Q4 2020	
	RO-RODQ Improved Traffic Flow through Runway Sequencing (ORAS/EDM/ES)	Partially full by 2020			Not Implemented			2019	Mid 2019	Q3 2019		Implemented	
	RO-FRT Increased Interoperability, Efficiency and Capacity through	Partially full by 2020			Planning and test		Planned	2019		End of 2019		Implemented	
	RO-DATM Service Improvement through Digital datastream information Management	Implemented			In the process		Planned	2020		Ongoing Refinement		Implemented	
	RO-FRT Improved Operations through Enhanced En-Route Communications	Partially full by 2020			Implemented		Planned	2019		Ongoing Refinement		Q4 2020	
	RO-NCPs Improved Flow Performance through	Partially Implemented (2019)			NA		Planned	2020		2022		Q4 2022	
	RO-ACDM Operational Airport Operations through ACADM Land Airport Management	NA			NA			2020		TD		Q3 2021	
	RO-RODQ Improved Airport operations through Departure, Surface and Arrival Management	Partially full by 2020			NA			2019		2021		Q3 2021	
	RO-FRT Increased Interoperability, Efficiency and Capacity through FRT	Partially full by 2020			NA			2019		2020		Q3 2021	
	RO-DATM Service Improvement through Integration of all Digital ATM Information	Partially full by 2020			NA			2020		2021		Q3 2021	
	RO-SWIM Performance Improvement through the application of System Wide Information Management (SWIM)	2020			NA			2022		Q4 2020		Q3 2024	
	RO-NCPs Enhanced Flow Performance through Network Operational Planning	Regional discussion, November			NA			2022		2022		Q4 2022	
	RO-ASBT Enhanced Operational Decisions through Integrated Meteorological Information	2020			Ongoing			2022		Q4 2020		Q4 2020	
	RO-TBO Improved Traffic Reconfiguration and Initial Trajectory-Based Operation	Partially full 2020			NA			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															

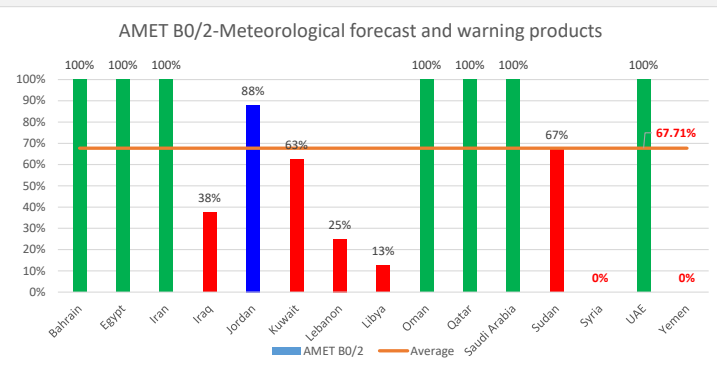
	Result
MID States reply to Survey	40%
ATFM implemented	33%
Stakeholder involved	50%
Automated tools implemented	50%
ATFM measures Implemented	100%
CDM implemented to manage flow in ATM	50%
Plan to implementation of ATFM	83%



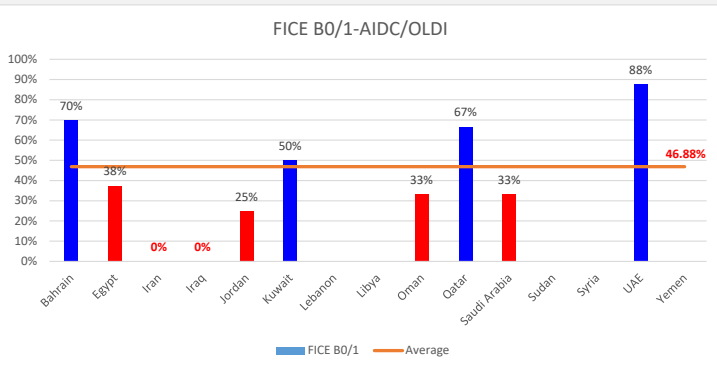
	AMET B0/1	Average
Bahrain	100.00%	64.07%
Egypt	100.00%	64.07%
Iran	100.00%	64.07%
Iraq	44.44%	64.07%
Jordan	89.00%	64.07%
Kuwait	100.00%	64.07%
Lebanon	0.00%	64.07%
Libya	0.00%	64.07%
Oman	100.00%	64.07%
Qatar	89.00%	64.07%
Saudi Arabia	100.00%	64.07%
Sudan	55.56%	64.07%
Syria	0.00%	64.07%
UAE	100.00%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



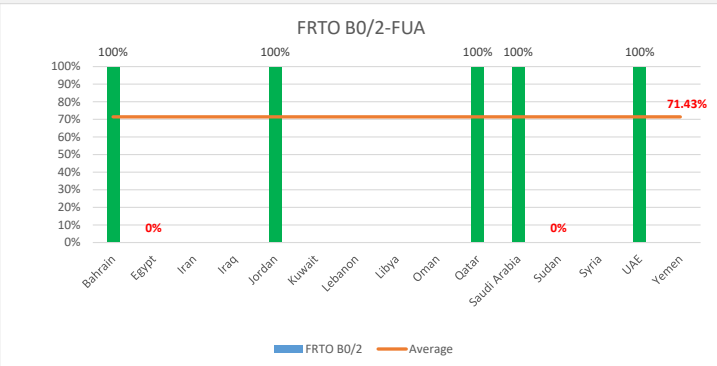
	AMET B0/2	Average
Bahrain	100.00%	67.71%
Egypt	100.00%	67.71%
Iran	100.00%	67.71%
Iraq	37.50%	67.71%
Jordan	88.00%	67.71%
Kuwait	62.50%	67.71%
Lebanon	25.00%	67.71%
Libya	12.50%	67.71%
Oman	100.00%	67.71%
Qatar	100.00%	67.71%
Saudi Arabia	100.00%	67.71%
Sudan	67.00%	67.71%
Syria	0.00%	67.71%
UAE	100.00%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



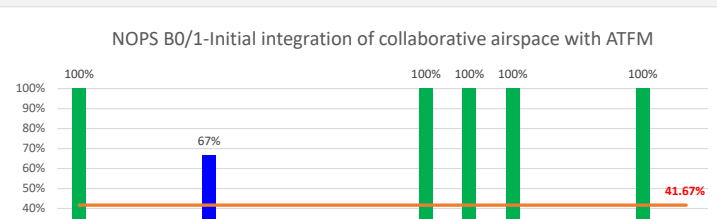
	FICE B0/1	Average
Bahrain	70.00%	46.88%
Egypt	37.50%	46.88%
Iran	0.00%	46.88%
Iraq	0.00%	46.88%
Jordan	25.00%	46.88%
Kuwait	50.00%	46.88%
Lebanon		46.88%
Libya		46.88%
Oman	33.33%	46.88%
Qatar	66.66%	46.88%
Saudi Arabia	33.33%	46.88%
Sudan		46.88%
Syria		46.88%
UAE	87.50%	46.88%
Yemen		46.88%
Regional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



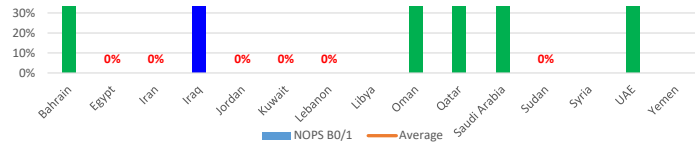
	FRTO B0/2	Average
Bahrain	100.00%	71.43%
Egypt	0.00%	71.43%
Iran		71.43%
Iraq		71.43%
Jordan	100.00%	71.43%
Kuwait		71.43%
Lebanon		71.43%
Libya		71.43%
Oman		71.43%
Qatar	100.00%	71.43%
Saudi Arabia	100.00%	71.43%
Sudan	0.00%	71.43%
Syria		71.43%
UAE	100.00%	71.43%
Yemen		71.43%
Regional average		71.43%



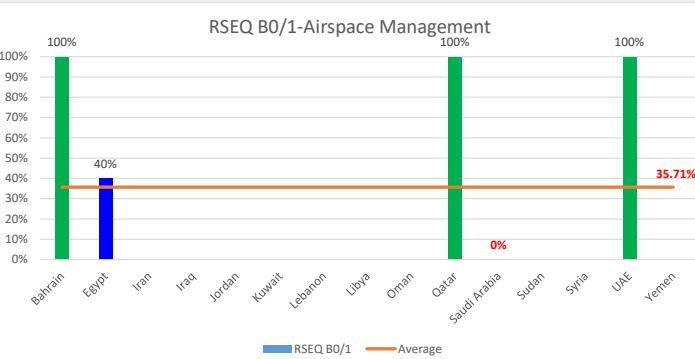
	NOPS B0/1	Average
Bahrain	100.00%	41.67%
Egypt	0.00%	41.67%
Iran	0.00%	41.67%
Iraq	66.67%	41.67%
Jordan	0.00%	41.67%
Kuwait	0.00%	41.67%
Lebanon	0.00%	41.67%
Libya		41.67%
Oman	100.00%	41.67%



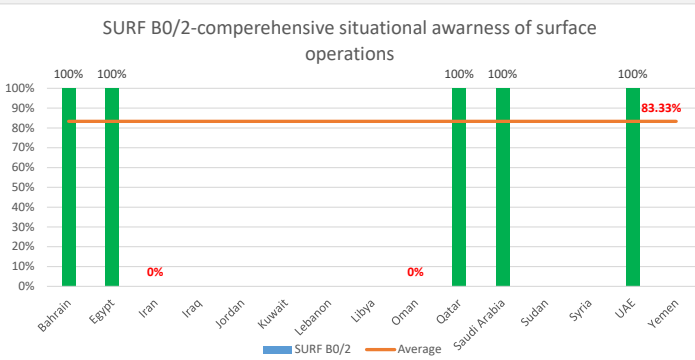
Qatar	100.00%	41.67%
Saudi Arabia	100.00%	41.67%
Sudan	0.00%	41.67%
Syria		41.67%
UAE	100.00%	41.67%
Yemen		41.67%
Regional average		41.67%



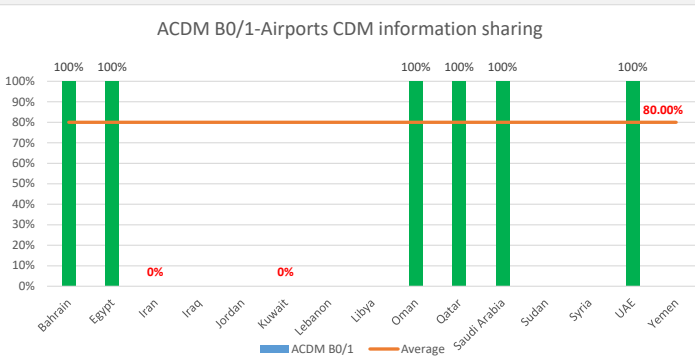
	RSEQ B0/1	Average
Bahrain	100.00%	35.71%
Egypt	40.00%	35.71%
Iran		35.71%
Iraq		35.71%
Jordan		35.71%
Kuwait		35.71%
Lebanon		35.71%
Libya		35.71%
Oman		35.71%
Qatar	100.00%	35.71%
Saudi Arabia	0.00%	35.71%
Sudan		35.71%
Syria		35.71%
UAE	100.00%	35.71%
Yemen		35.71%
Regional average		35.71%



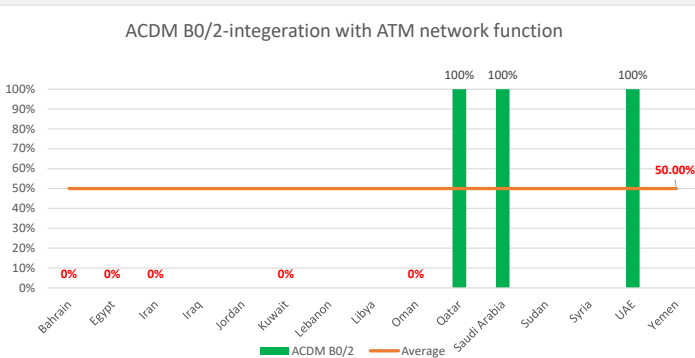
	SURF B0/2	Average
Bahrain	100.00%	83.33%
Egypt	100.00%	83.33%
Iran	0.00%	83.33%
Iraq		83.33%
Jordan		83.33%
Kuwait		83.33%
Lebanon		83.33%
Libya		83.33%
Oman	0.00%	83.33%
Qatar	100.00%	83.33%
Saudi Arabia	100.00%	83.33%
Sudan		83.33%
Syria		83.33%
UAE	100.00%	83.33%
Yemen		83.33%
Regional average		83.33%



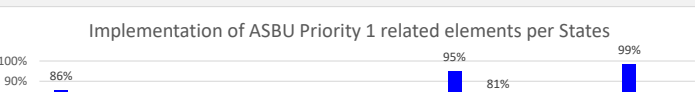
	ACDM B0/1	Average
Bahrain	100.00%	80.00%
Egypt	100.00%	80.00%
Iran	0.00%	80.00%
Iraq		80.00%
Jordan		80.00%
Kuwait	0.00%	80.00%
Lebanon		80.00%
Libya		80.00%
Oman	100.00%	80.00%
Qatar	100.00%	80.00%
Saudi Arabia	100.00%	80.00%
Sudan		80.00%
Syria		80.00%
UAE	100.00%	80.00%
Yemen		80.00%
Regional average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



	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%

