

International Civil Aviation Organization

MIDANPIRG Air Traffic Flow Management Task Force

Eighth Meeting (ATFM TF/8) (Virtual, 31 October – 1 November 2023)

Agenda Item 2: Regional Framework

RESULTS OF THE MID ATFM IMPLEMENTATION SURVEY 2023

(Presented by the Secretariat)

SUMMARY

This paper presents the result of the MID ATFM Implementation Survey 2023.

Action by the meeting is at paragraph 3.

REFERENCES

- ICAO MID Doc 014 (MID ATFM Plan V2.0)
- ATFM TF/7 (Doha, Qatar, 8-9 February 2023)

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 Through this document, Part I, item 5, implementation of the MID ATFM Plan was divided into the following Phases:
 - 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

- Based on the Presentations received from the States during ATFM TF/7 (Doha, Qatar, 8-9 February 2023), it was highlighted that the results of the last conducted ATFM implementation survey (in 2018) are not representing the latest developments by the States. The ATFM TF was encouraged to develop and circulate a new survey, including the activities of Phase IA of the MID ATFM Implementation Plan, to the MID States to enable the TF to monitor the actual level of implementation and provide the necessary support, as required.
- 2.2 Accordingly, the Secretariat, 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).
- 2.3 Based on ICAO MID Doc 014 requirement, the main areas have been identified and addressed by this questionnaire: a total of 41 questions including 38 predefined answer (implemented/Not implemented) and 3 explanatory questions asked States; under the following areas:
 - a) States focal points;
 - b) National regulation, staffing and training;
 - c) Demand analysis;
 - d) Capacity calculations;
 - e) Measures at airports and TMA;
 - f) Measures at ACC sectors;
 - g) Supporting tools;
 - h) Enhancements;
 - i) ADP and ATFM measures; and
 - j) Additional information.
- 2.4 The details of the survey analysis are presented at **Appendix A** which is categorized as follows:
 - a) 8 States out of 15 MID States representing 53.3 per cent participated in this activity.
 - b) the level of implementation in the following areas are as below:
 - i. *National regulation, staffing and training* is 60 per cent.
 - ii. *Demand analysis* is 66 per cent.
 - iii. *Capacity calculation* is 63 per cent.
 - iv. *Measures at airport and TMA* is 44 per cent.
 - v. *Measures at ACC sector* is 55 per cent.
 - vi. Supporting tools is 63 per cent.
 - vii. Airspace enhancements is 94 per cent.
 - viii. ADP and ATFM measures is 47 per cent.
 - c) the overall implementation of ATFM Phase IA requirements was 60 per cent.

- 2.5 Based on the above, the following outlines should be considered by the MID States to foster the implementation of MID ATFM Phase IA:
 - a) organizational structure including ATFM posts (38%);
 - *b)* capacity calculation (strategic level) at TMA(s) (50%);
 - c) optimize the operations within the TMA(s), ACC(s) and interface with adjacent ACCs (-100%);
 - d) daily pre-tactical capacity and demand analysis at TMA(s) (13%);
 - e) NOPS B0/1: Initial integration of collaborative airspace management with ATFM (38%);
 - f) ATFM Letter of Agreement/Procedures between the ACC(s) (38%); and
 - g) coordinated ATFM Daily Plan (ADP) and share with the concerned Stakeholders (25%).

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
 - a) review the result of the survey at **Appendix A**;
 - b) encourage States to adhere with the requirements of ATFM Plan Phase IA. Reinforce the progress of the areas highlighted in 2.5 which are far below the plan and present their action and outcomes to the next ATFM TF meeting; and
 - c) encourage international organizations and industry to support the implementation of the MID ATFM Plan by focusing on the area underlined in para 2.5.



Air Traffic Flow Management (ATFM) Survey 2023

Objective:

This ATFM Survey 2023 is prepared and circulated in accordance with the outcomes of the ATFM TF/7 (Doha, Qatar, 8-9 Feb 2023), the result will be reviewed by ATFM TF/8 before presenting to ATM SG/9 planned in November 2023 for further process.

History:

The ATFM TF/7 meeting noted that the results of the last ATFM implementation survey (conducted on 2018) are not representing the latest developments by the States, and encouraged the ATFM TF to develop and circulate a new survey, including mainly the activities of Phase IA of the MID ATFM Implementation Plan (MID Doc 014), to the MID States to enable the TF to monitor the actual level of implementation and provide the necessary support, as required.

Based on the above, ATFM TF/7 meeting agreed on the development and distribution of the ATFM implementation survey by the Secretariat supported by the Chairperson.

Methodology:

In this survey, a questionnaire is developed in accordance with ICAO MID Doc 014 (MID ATFM plan) implementation phase IA only. the questionnaire is composed of an objective and direct questions, to allow solid analysis of responses. States that are ahead of Phase 1A of the MID Region Plan, are requested to elaborate on their current implementation in the text box at the end of the questionnaire; also, they are invited to share their experience in the implementation with the ATFM TF members.

Duration:

This questionnaire consists of 40 questions and expected to take 30 minutes to complete.

References:

- ICAO MID ATFM Plan (MID Doc 014): https://www.icao.int/MID/MIDANPIRG/Pages/MID-Docs.aspx
- GANP portal: https://www4.icao.int/ganpportal/
- ASBU Elements: https://www4.icao.int/ganpportal/ASBU

for further details/clarification, please contact Mr. Ahmad Kaveh (Akaveh@icao.int) Please submit the response to ICAO MID at (icaomid@icao.int) before 10 October 2023.

This survey is also available online: https://forms.office.com/r/wcdFsQbv9g



#	Area	Questions	Bahrain	Egypt	Iran	Iraq	Jordan	Lebanon	Libya	Kuwait	Oman	Qatar	Saudi Arabia	Sudan Sy	ria UAE	Yemen
	Focal Point contact details	State Focal Point: Please enter: Name, Job Title, Department, Organization/State	Ahmed AlMalki A/Chief Air Traffic Management Kingdome of Bahrain	Mr.Mohamed Ali - ATM GD	seyedeh hannan sheikh mohammad amini	mohanad ali mohammed ATFM Manager GCANS - Iraq	not implented			Mustafa Altarrah Head of Air Navigation Services Inspectors	Mohammed Rashid Al Balushi,ATFM focal/ATCO/ATSM,Air Traffic Services, CAA/Oman		Name: Ahmad Abu-Ghallab Job title: ATFM Chief Department: Air Traffic Management Organization: Saudi Air Navigation Services (SANS)		Saqr Al Marashda, Senior Manager - Airspace Management, Air Traffic Management Departmer UAE GCAA	t,
		Contact details: Please provide phone number and email address.	(973)17321085 a.almalki@mtt.gov.bh	m.ali@civilaviation.eov. eg - mohali777@email.com	h-amini@caa.gov.ir	009647708817030 atfm- manager@gcans.go v.iq	not implented			+965 64444408	Telephon:+968 99771975. email:mohammad.balushi @caa.gov.om		Phone number: +966126848121 E-mail: asabughallab@sans.com.sa		P: +97125996677 e: smarashda@szc.gcaa.a	e
IA-1		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)	Implemented	Implemented	Not Implemented					Implemented	Not Implemented	Implemented	Implemented		Not Implemented	
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?	Implemented	Not Implemented	Not Implemented	Implemented				Implemented	Implemented	Implemented	Implemented		Not Implemented	
IA-3	National Regulation, Staffing and	Has your State/ANSP established an Organizational structure including ATFM posts? (in accordance with Doc 9971, Part II, Chapter 3, Para 3.1)	Implemented	Implemented	Not Implemented	Implemented				Not Implemented	Implemented	Implemented	Implemented		Not Implemented	
IA-4	Training	Has your State/ANSP assigned/recruited staff (with clear Job Description) for provision of ATFM services?	Not Implemented	Implemented	Not Implemented	Implemented	partially			Not Implemented	Not Implemented	Implemented	Implemented		Not Implemented	
IA-5		Has your State/ ANSP conducted the required Training for ATFM Personnel? (Ref. MID Doc 014, Part I, Para 3.64 & 3.65 as well as Appendix J)	Not implemented	Not Implemented	Not Implemented	Implemented				Not Implemented	Implemented	Implemented	Implemented		Not Implemented	
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 J, attachment C)	Implemented	Implemented	Not Implemented	Implemented				Not Implemented	Implemented	Implemented	Implemented		Implemented	
IA-7		Has your State/ANSP conducted workshops / training courses to introduce the basics of ATFM to external stakeholders including Airspace Users (AUs)?	Not Implemented	Not Implemented	Not Implemented	Implemented				Not Implemented	Implemented	Implemented	Implemented		Implemented	
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)	Implemented	Implemented	Not Implemented	Not Implemented				Not Implemented	Implemented	Implemented	Implemented		Implemented	
IA-9	Demand analysis	Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMAs? (Ref. based on ICAO MID Doc 014, Part I, Para 5.7)	Implemented	Implemented	Not Implemented	Not Implemented	partially			Not Implemented	Implemented	Implemented	Implemented		Implemented	
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)	Implemented	Implemented	Not Implemented	Implemented	, , , , , , , , , , , , , , , , , , , ,			Not Implemented	Implemented	Implemented	Not Implemented		Implemented	
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 ATFM Programme.	Implemented	Implemented	Not Implemented	Implemented				Not Implemented	Implemented	Implemented	Implemented		Implemented	
IA-12		Has your State/ANSP performed capacity calculation (strategic level) at international Airports?	Implemented	Not Implemented	Not Implemented	Implemented	not implented			Not Implemented	Not Implemented	Implemented	Implemented		Implemented	
IA-13	Capacity Calculations	Has your State/ANSP performed capacity calculation (strategic level) at TMA(s)?	Implemented	Not Implemented	Not Implemented	Not Implemented	not implented			Not Implemented	Not Implemented	Implemented	Implemented		Implemented	
IA-14		Has your State/ANSP performed capacity calculation (strategic level) at ACC sectors/ATS route segment(s)?	Implemented	Implemented	Not Implemented	Implemented	not implented			Not Implemented	Implemented	Implemented	Implemented		Implemented	
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)	Implemented	Implemented	Not Implemented	Not Implemented				Not Implemented	Implemented	Implemented	Implemented		Implemented	
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)	Implemented	Implemented	Not Implemented	Not Implemented	implemented			Not Implemented	Not Implemented	Implemented	Implemented		Implemented	
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?	Implemented	Not Implemented	Not Implemented	Implemented				Not Implemented	Implemented	Implemented	Implemented		Not Implemented	

IA-18	Measures at Airports and TMA	Is the FRTO 80/2: Airspace planning and Flexible Use of Airspace (FUA) implemented in TMA(s)?	Implemented	Not Implemented	Not Implemented	Not Implemented		N	Not Implemented	Not Implemented	Implemented	Implemented	Implemented	
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)	Not Implemented	Implemented	Not Implemented	Implemented	not implented	N	Not Implemented	Implemented	Implemented	Not Implemented	Not Implemented	
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)	Not Implemented	Implemented	Not Implemented	Not Implemented	not implented	N	Not Implemented	Not Implemented	Implemented	Not Implemented	Not Implemented	
IA-21		Has your State/ANSP developed the required ATC procedures related to the implementation of ATFM at relevant international Airports?	Not Implemented	Not Implemented	Not Implemented	Implemented	not implented	N	Not Implemented	Implemented	Implemented	Implemented	Not Implemented	
IA-22		Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the ATC units and identified Airports within your FIR?	Implemented	Not Implemented	Not Implemented	Not Implemented	not implented	N	Not Implemented	Not Implemented	Implemented	Not Implemented	Not Implemented	
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)	Implemented	Implemented	Not Implemented	Implemented	Implemented	N	Not Implemented	Implemented	Implemented	Implemented	Implemented	
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)	Implemented	Implemented	Not Implemented	Implemented	Implemented	N	Not Implemented	Implemented	Implemented	Not Implemented	Implemented	
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?	Implemented	Not Implemented	Not Implemented	Implemented	Not Implemented	N	Not Implemented	Not Implemented	Implemented	Implemented	Not Implemented	
IA-26		Is the FRTO B0/2: Airspace planning and Flexible Use of Airspace (FUA) implemented in ACC sectors?	Not Implemented	N	Not Implemented	Implemented		Implemented	Implemented					
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)	Implemented	Implemented	Not Implemented	Implemented	Not Implemented	N	Not Implemented	Implemented	Implemented	Not Implemented	Not Implemented	
IA-28		Has your State/ANSP developed the required ATC procedures related to the implementation of ATFM at relevant ACC sector(s)?	Implemented	Not Implemented	Not Implemented	Implemented	Not Implemented	N	Not Implemented	Implemented	Implemented	Not Implemented	Implemented	
IA-29		Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the ACC(s) and the relevant ACC(s)?	Implemented	Not Implemented	Not Implemented	Not Implemented	Not Implemented	N	Not Implemented	Not Implemented	Not Implemented	Implemented	Implemented	
IA-30		Does the ATM automation system (if available) include a Basic conflict detection and conformance monitoring (FRTO B0/4)	Implemented	Implemented	Not Implemented	Implemented	Implemented	Ir	mplemented	Implemented	Implemented	Implemented	Not Implemented	
IA-31	Supporting tools	Has your State/ANSP implemented NOPS 80/1: Initial integration of collaborative airspace management with ATFM?	Not Implemented	Not Implemented	Not Implemented	Implemented	Not Implemented	Ir	mplemented	Not Implemented	Implemented	Not Implemented	Not Implemented	
IA-32		Has your State/ANSP implemented FICE B0/1: Automated basic inter facility data exchange (AIDC/OLDI)?	Implemented	Implemented	Not Implemented	Not Implemented	Implemented	Ir	mplemented	Implemented	Implemented	Implemented	Implemented	
IA-33		Has your State/ANSP identified a need for improvement to optimize the operations within the TMA(s)?	Implemented	Implemented	Implemented	Implemented	Implemented	Ir	mplemented	Implemented	Implemented	Implemented	Implemented	
IA-34	Airspace enhancements	Has your State/ANSP identified a need for improvement to optimize the operations of the ACC(s)?	Implemented	Implemented	Implemented	Implemented	Implemented	Ir	mplemented	Implemented	Implemented	Implemented	Implemented	
IA-35		Has your State/ANSP identified a need for improvement at the interfaces with adjacent ACCs?	Implemented	Not Implemented	Implemented	Implemented	Implemented	Ir	mplemented	Implemented	Implemented	Implemented	Implemented	
IA-36		Based on the response of the item above, Does the optimization at the ACC interface requires regional agreement/support?	Implemented	Implemented	Not Implemented	Implemented	Implemented	N	Not Implemented	Implemented	Implemented	Implemented	Implemented	
IA-37	ADP and ATFM measures	Does your State/ANSP develop coordinated ATFM Daily Plan (ADP) and share wit the concerned Stakeholders? (Ref. on ICAO MID Doc 014, Part I, Para 5.9 and 5.10)	Not Implemented	Not Implemented	Not Implemented	Implemented	Not Implemented	N	lot Implemented	Not Implemented	Implemented	Not Implemented	Not Implemented	
IA-38		Based on your capacity vs demand analysis, has your State identified the need to implement ATFM measures?	Not Implemented	Implemented	Not Implemented	Implemented	Not Implemented	Ir	mplemented		Implemented	Implemented	Implemented	
	Other information	Any other additional information on the national ATFM implementation/plan		Not Implemented			Not Implemented							

	Area	Question	Bahrain	Iran	Iraq	Kuwait	Qatar	UAE	Oman	KSA	Jordan	Emmt
	Area				iraq		-					Egypt
IA-1		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
		Has your State/ANSP established an Organizational structure including ATFM posts?	1	2	1	2	1	2	1	1	2	1
IA-3	National Regulation, Staffing and Training	(in accordance with Doc 9971, Part II, Chapter 3, Para 3.1) Has your State/ANSP assigned/recruited staff (with clear Job Description) for provision										
IA-4		of ATFM services? Has your State/ ANSP conducted the required Training for ATFM Personnel	2	2	1	2	1	2	2	1	2	1
IA-5		(Ref. MID Doc 014, Part I, Para 3.64 & 3.65 as well as Appendix I) Has your State/ANSP conducted awareness for ATM staff on the basics of ATFM and its	2	2	1	2	1	2	1	1	2	2
		connection with ATS units?	1	2	1	2	1	1	1	1	2	1
IA-6		(Ref. ICAO MID Doc 014, Part I, Appendix J, attachment C) Has your State/ANSP conducted workshops / training courses to introduce the basics or	2	2	1	2	1	1	1	1	2	2
IA-7		ATFM to external stakeholders including Airspace Users (AUs)? Has your State/ANSP performed an analysis of traffic demand and expected growth for										
IA-8		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
		Has your State/ANSP performed an analysis of traffic demand and expected growth for the next 5 years at TMAs?	1	2	2	2	1	1	1	1	2	1
IA-9	Demand analysis	(Ref. based on ICAO MID Doc 014, Part I, Para 5.7) Has your State/ANSP performed an analysis of traffic demand and expected growth for										
IA-10		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
	1	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	1	2	1	2	1	1	1	1	2	1
IA-11		concerned? To be included in ATFM Programme. Has your State/ANSP performed capacity calculation (strategic level) at international										
IA-12		Airports?	1	2	1	2	1	1	2	1	2	2
IA-13	Capacity Calculations	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	1	2	1	2	1	1	1	1	2	1
IA-14		sectors/ATS route segment(s)? Has your State/ANSP performed a regular (bi-annual, quarterly, monthly) analysis of traffic demand at international Airports?										
IA-15		(Ref. on ICAO MID Doc 014, Part I, Para 5.6)	1	2	2	2	1	1	1	1	1	1
	Measures at Airports and TMA	Has your State/ANSP performed a regular (bi-annual, quarterly, monthly) analysis of traffic demand at TMA(s)?	1	2	2	2	1	1	2	1	1	1
IA-16		(Ref. on ICAO MID Doc 014, Part I, Para 5.6) Does your State/ANSP developed procedure to collect, analyze and disseminate										
IA-17		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 BO/2: Airspace planning and Flexible Use of Airspace (FUA) 1 in TMA(s)?	1	2	2	2	1	1	2	1	1	2
		Does your State/ANSP perform daily pre-tactical capacity and demand analysis at all Airports included in the ATFM programme?	2	2	1	2	1	2	1	2	2	1
IA-19		(Ref. on ICAO MID Doc 014, Part I, Para 5.8) Does your State/ANSP develop daily pre-tactical capacity and demand analysis at										
IA-20		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-ZZ		Has your State/ANSP performed a regular (bi-annual, quarterly, monthly) analysis of								_	_	
IA-23		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
		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	2	1	1
IA-24		(Ref. on ICAO MID Doc 014, Part I, Para 5.7) Has your State/ANSP developed a procedure to collect, analyze and disseminate										
IA-25	- Measures at ACC Sectors	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	2	2	2	2	1	1	1	2	2
		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
IA-27		(Ref. on ICAO MID Doc 014, Part I, Para 5.8) Has your State/ANSP developed the required ATC procedures related to the				2				_	_	2
IA-28		implementation of ATFM at relevant ACC sector(s)? Has your State/ANSP developed ATFM Letter of Agreement/Procedures between the	1	2	1		1	1	1	2	2	
IA-29		ACC(s) and the relevant ACC(s)? Does the ATM automation system (if available) include a Basic conflict detection and	1	2	2	2		1	2	1	2	2
IA-30		conformance monitoring (FRTO B0/4) Has your State/ANSP 1 NOPS B0/1: Initial integration of collaborative airspace	1	2	1	1	1	2	1	1	1	1
IA-31	Supporting tools	Has your State/ANSP 1 FICE B0/1: Automated basic inter facility data exchange	2	2	1	1	1	2	2	2	2	2
IA-32		(AIDC/OLDI)?	1	2	2	1	1	1	1	1	1	1
IA-33		Has your State/ANSP identified a need for improvement to optimize the operation: within the TMA(s)?	1	1	1	1	1	1	1	1	1	1
IA-34	Airspace enhancements	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	2	1	2	1	1	1	1	1	1
		Does your State/ANSP develop coordinated ATFM Daily Plan (ADP) and share with the concerned Stakeholders?	2	2	1	2	1	2	2	2	2	2
IA-37	ADP and ATFM measures	(Ref. on ICAO MID Doc 014, Part I, Para 5.9 and 5.10) Based on your capacity vs demand analysis, has your State identified the need to	2	2	1	1	1	1		1	2	1
IA-38		implement ATFM measures?	2	2	1	1	1	1		1	2	1

Total replied		Total (National Regulation, Staffing and Training)		Total (Demand analysis)		Total (Capacity Calculations)		Total (Measures at Airports and TMA)		Total (Measures at ACC Sectors)		Total (Supporting tools)		Total (Airspace enhancements)		Total (ADP & ATFM measures)			
377 Total implemented	%	69 Implemented	%	40 Implemented	%	30 Implemented	%	80 Implemented	%	69 Implemented	%	30 Implemented	%	40 Implemented	%	19 Implemented	%		
213	56.5	37	53.6	25	62.5	16	53.3	36	45.0	35	50.7	19	63.3	37	92.5	8	42.1		
Total not implemented		Not implemented		Not implemented		Not implemented		Not implemented		Not implemented		Not implemented		Not implemented		Not implemented			
164		32	İ	15		14		44		34		11		3		11			
Bahrain		Iran	Ī	Iraq		Kuwait		Qatar		UAE		Oman		Saudi Arabia		Jordan		Egypt	Avrage in each area
7	 I I	7	- T	7	í I	National	Regu	lation, Staffin	g and	d Training		7		7		7	í I	7	
Implemented 4 % 57.1		Implemented 0 % 0	1	Implemented 6 % 85.7		Implemented 2 % 28.6		Implemented 7 % 100		Implemented 2 % 28.6	· · ·	Implemented 5 % 71.4		Implemented 7 % 100		Implemented 0 % 0		Implemented 4 % 57.1	53.6
4		4	I	4]	4	Di	emand analys	is	4		4		4		4		4	
Implemented 4 % 100		Implemented 0 % 0		Implemented 2 % 50		Implemented 0 % 0		Implemented 4 % 100		Implemented 4 % 100		Implemented 4 % 100		Implemented 3 %		Implemented 0 % 0		Implemented 4 % 100	62.5
3		2	- T	3	, 1	3		acity Calculat		3		2		3		3	i I	3	
Implemented 3 % 100		Implemented 0 %		Implemented 2 % 66.7		Implemented 0 % 0		Implemented 3 % 100		Implemented 3 % 100		Implemented 1 % 33.3		Implemented 3 % 100		Implemented 0 % 0		Implemented 1 % 33.3	53.3
8		8	ĭ	8	ì	8	easure	s at Airports	and 1	8		8		8		8	l	8	
Implemented 5 % 62.5		Implemented 0 % 0	1	Implemented 3 % 37.5		Implemented 0 % 0		Implemented 8 % 100		Implemented 3 % 37.5	•	Implemented 4 % 50		Implemented 5 % 62.5		Implemented 4 % 50		Implemented 4 % 50	45.0
7 Implemented 6 % 85.7		7 Implemented 0 %		7 Implemented 5 % 71.4		7 Implemented 0 %		7 Implemented 5 % 71.4		7 Implemented 5 % 71.4		7 Implemented 5 %		7 Implemented 4 %		7 Implemented 2 % 28.6		7 Implemented 3 % 42.9	50.7
	 		1	-]			upporting too		7.2.4		-		-		-]	-	
3 Implemented 2 % 66.7		3 Implemented 0 % 0		Implemented 2 % 66.7		Implemented 3 % 100		Implemented 3 %		Implemented 1 % 33.3	• • •	3 Implemented 2 % 66.7		Implemented 2 % 66.7		3 Implemented 2 % 66.7		Implemented 2 % 66.7	63.3
4		4	I	4		4	Airsp	ace enhancen	nents	4		4		4		4		4	
Implemented 4 % 100		Implemented 3 % 75	1	Implemented 4 % 100		Implemented 3 % 75		Implemented 4 % 100		Implemented 4 % 100		Implemented 4 % 100		Implemented 4 % 100		Implemented 4 % 100		Implemented 3 % 75	92.5
2		2	1	2		2	ADP a	nd ATFM mea	sure	2		2		2		2		2	
Implemented 0 % 0		Implemented 0 % 0		Implemented 2 % 100		Implemented 1 % 50		Implemented 2 % 100		Implemented 1 % 50		Implemented 0 % 0		Implemented 1 % 50		Implemented 0 % 0		Implemented 1 % 50	42.1
			т		1	Over	all MII	D states imple	men	itation							1		
73.7		7.9		68.4		23.7		94.7		60.5		65.8		76.3		31.6		57.9	56.5