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FUTURE.**



**ICAO APAC/MID ATFM-FF-ICE Seminar 2025**  
Dubai, UAE, 23 – 26 February 2025

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**Update on Regional ATFM Implementation in the MID Region**

Presented by:

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Senior Expert - Air Traffic Management  
Air Navigation Services

GCAA, UAE

# Update on regional ATFM Implementation in the MID Region

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01

The need for ATFM in MID Region

04

MID ATFM Challenges

02

History of MID ATFM Developments

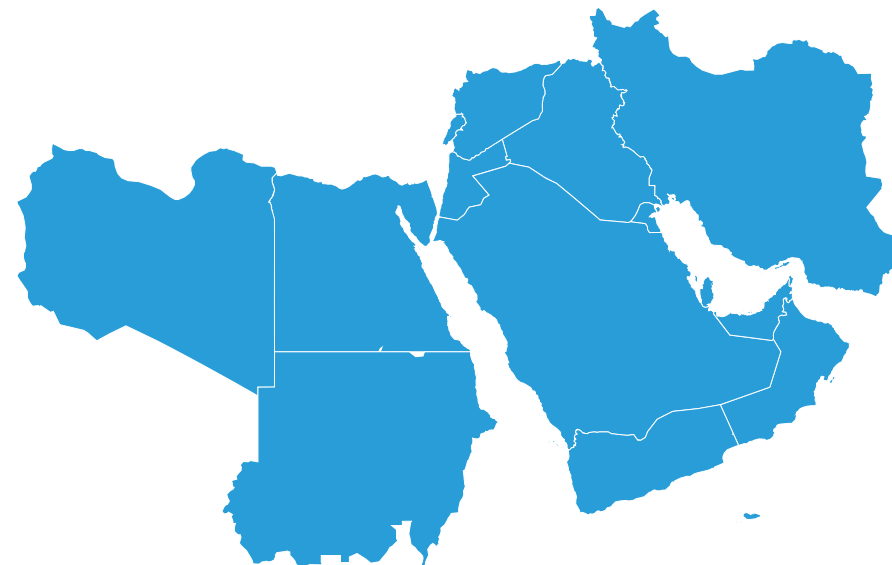
03

Current MID ATFM Plan

01  
The need for  
ATFM in MID  
Region

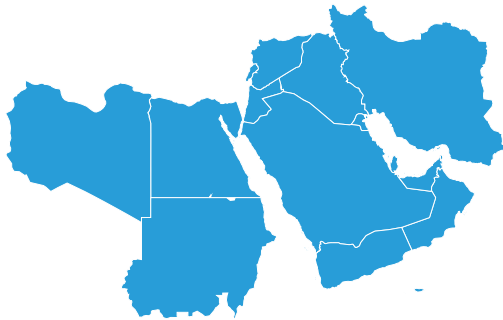


MID Region States

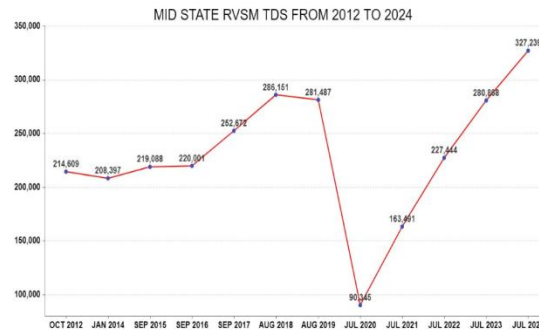


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## MID Region States



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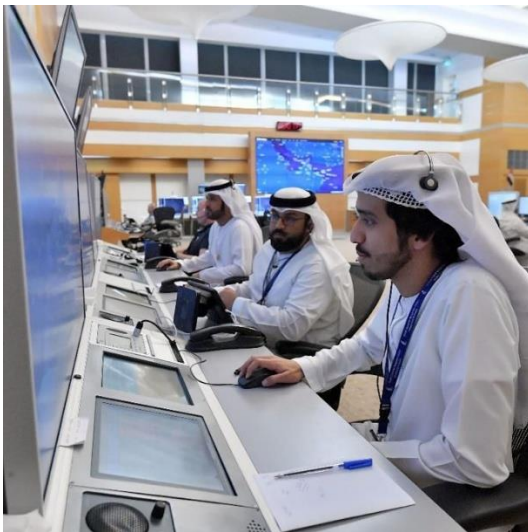
## MID Region

15 States located in the Middle of the World.

Many international events are organized within the MID Region

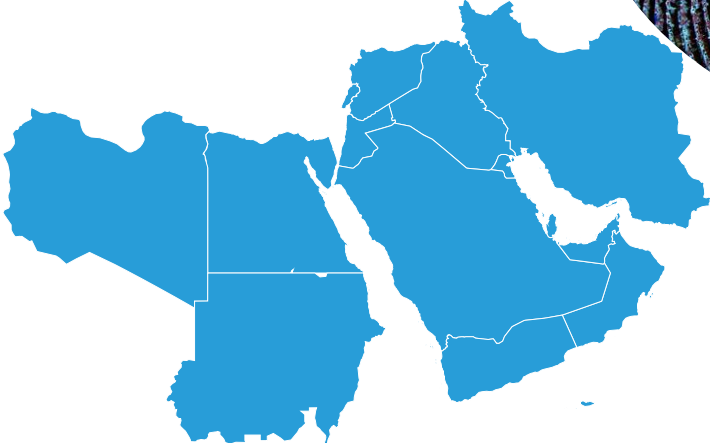
High traffic demand in certain parts

Modern ATM systems and Airports facilities





MID Region States



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02  
History of the  
MID ATFM  
Plan  
development



**MID REGION  
AIR TRAFFIC FLOW MANAGEMENT  
PLAN**

ATTACHMENT D - Evaluation of possible MID ATFM Scenarios and their results

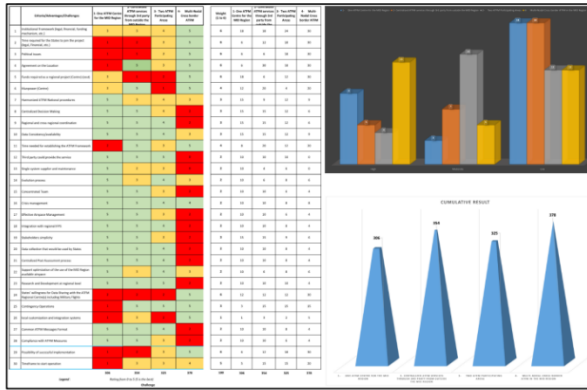


Figure 1: Typical ATFM/CDM process Educating and convincing all stakeholders

# MID ATFM Plan

Version 1

With the support of APAC ATFM team.

Survey of ATFM needs, readiness and applicability area.

Establishment of MID ATFM Core team.

Review different ATFM operational concepts

MIDANPIRG agreed on the multi-nodal model to be implemented within the MID Region.

Development of the first version of the MID ATFM Implementation plan

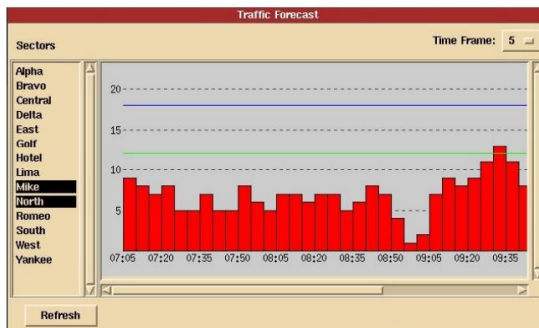


Figure 8: Demand and Capacity Prediction

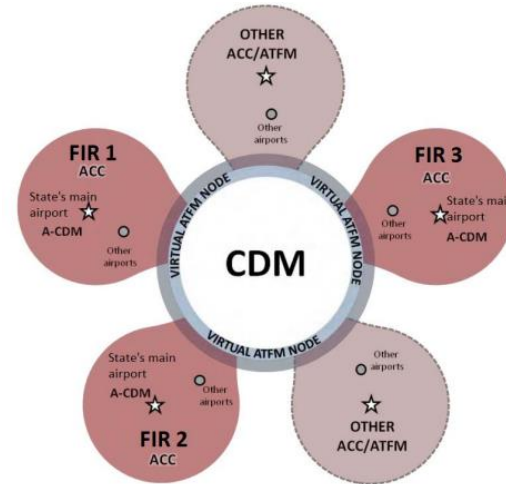


Figure 2: A Distributed Multi-Nodal ATFM Network



INTERNATIONAL CIVIL AVIATION ORGANIZATION



**MID REGION  
AIR TRAFFIC FLOW MANAGEMENT  
PLAN**

Version 2.0 Feb 2022

## MID ATFM Plan

Version 2

New survey was developed and distributed to the MID States in order to measure the level of implementation and areas of required support, accordingly, additional parts were developed:

- MID ATFM Framework
- MID ATFM ConOPS
- MID ATFM Common Operating Procedure and Implementation Guidance

The endorsed version is available under the ICAO MID Website:

<https://www.icao.int/MID/Documents/2023/ATFM%20TF8/WP6.pdf>

INTERNATIONAL CIVIL AVIATION ORGANIZATION



**MID REGION  
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PLAN**

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## MID ATFM Plan

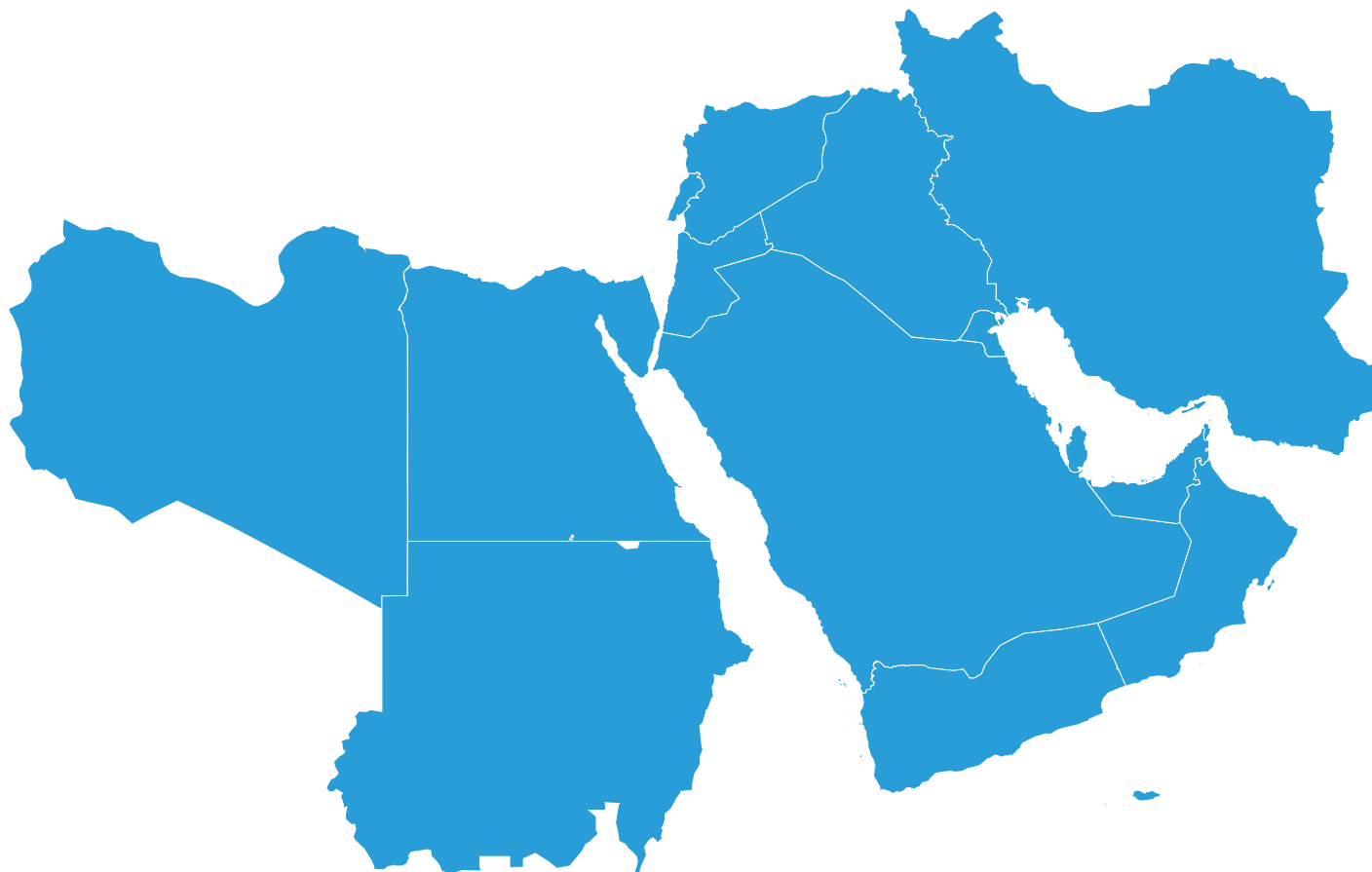
Version 2

Based on the guidance provided in the MID ATFM Plan, the implementation phases are:

- a) National regulation, staffing and training;
- b) Demand analysis;
- c) Capacity calculations;
- d) Measures at airports and TMA;
- e) Measures at ACC sectors;
- f) Supporting tools;
- g) Enhancements;
- h) ADP and ATFM measures; and
- i) Additional information.

03  
Current  
status

MID Region States

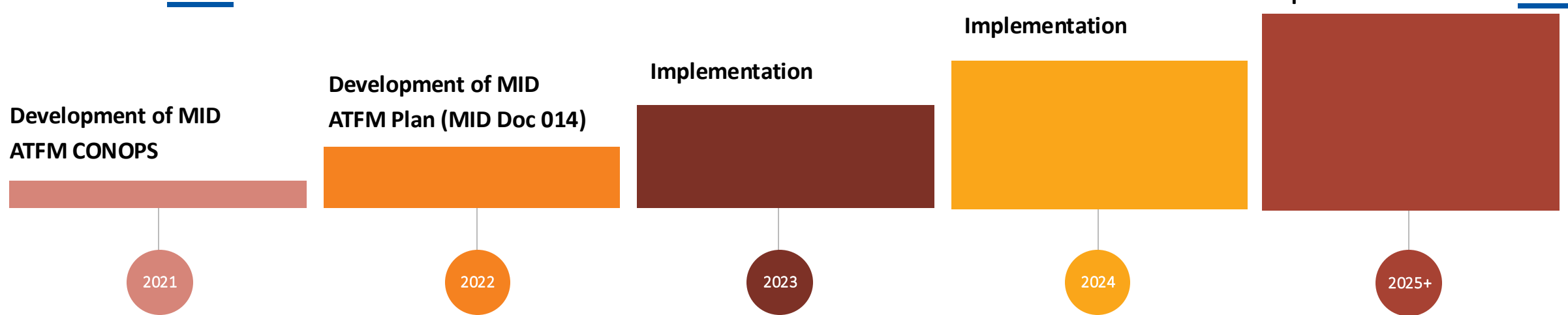


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## MID ATFM implementation Phases

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

# MID ATFM Implementation



**MID ATFM PLAN**

**Part I:** MID ATFM FRAMEWORK

**Part II:** MID ATFM CONOPS

**Part III:** MID ATFM Common Operating Procedure & Implementation Guidance

- Phase IA**
- Raising awareness related to ATFM
  - Establishing the regulatory framework
  - Establishment of organizational structure (FOC, FMP, FMU, etc.)
  - Human resources & Training
  - Operating Procedures
  - National ATFM Team to ensure CDM
  - Tools to be used
  - Determine and declare Airspace and airports capacity
  - Establishment of State's National ATFM CONOPS

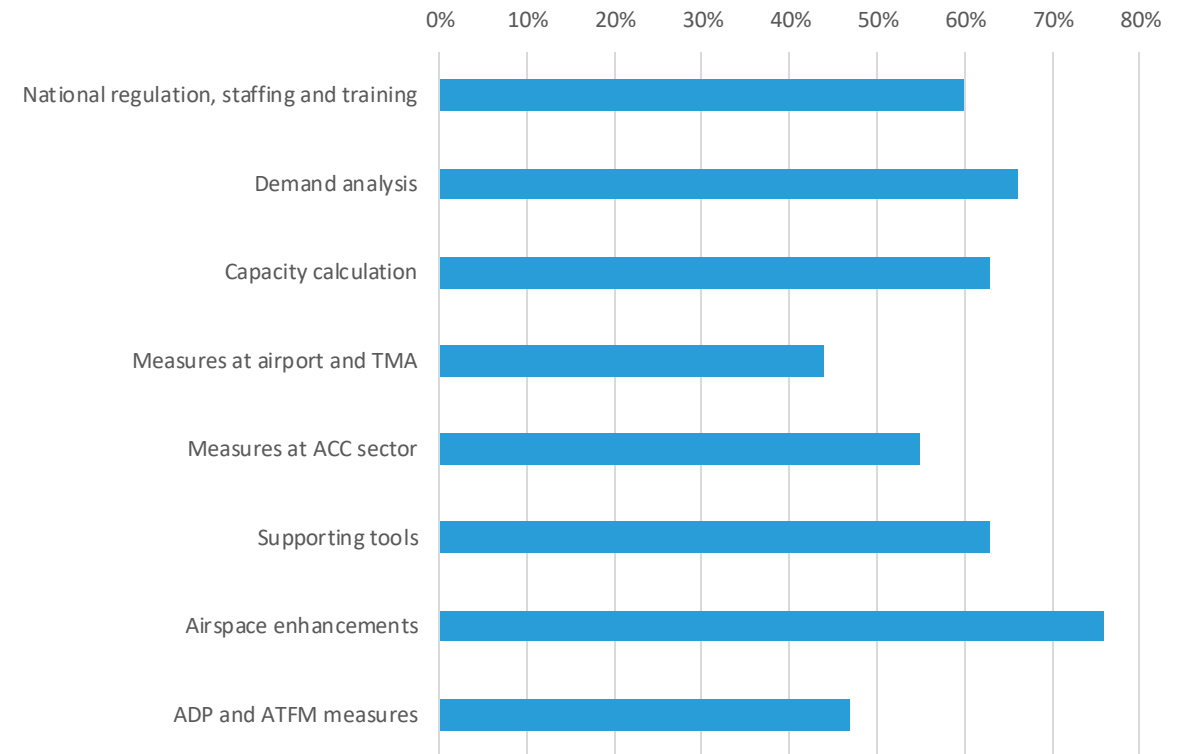
- Phase IB**
- Setting up for Cross border ATFM
  - Define ATFM Measures
  - Agreement on the Format of the ATFM Messages
  - Means for Communication between adjacent States ATFM FOC
  - Development of Common Operating Procedure
  - Agreement on LoA for ATFM
  - Agreement on the coordination procedures
  - Establishment of platform for sharing of information

- Phase IB**
- Exchange of information through the established platform and/or periodic daily teleconferences
  - Sharing of the ATFM Daily Plan
  - Implementation of ATFM/CDM process for regulating traffic
  - Post Implementation Review
  - Research & future development

# ATFM implementation survey Phase IA

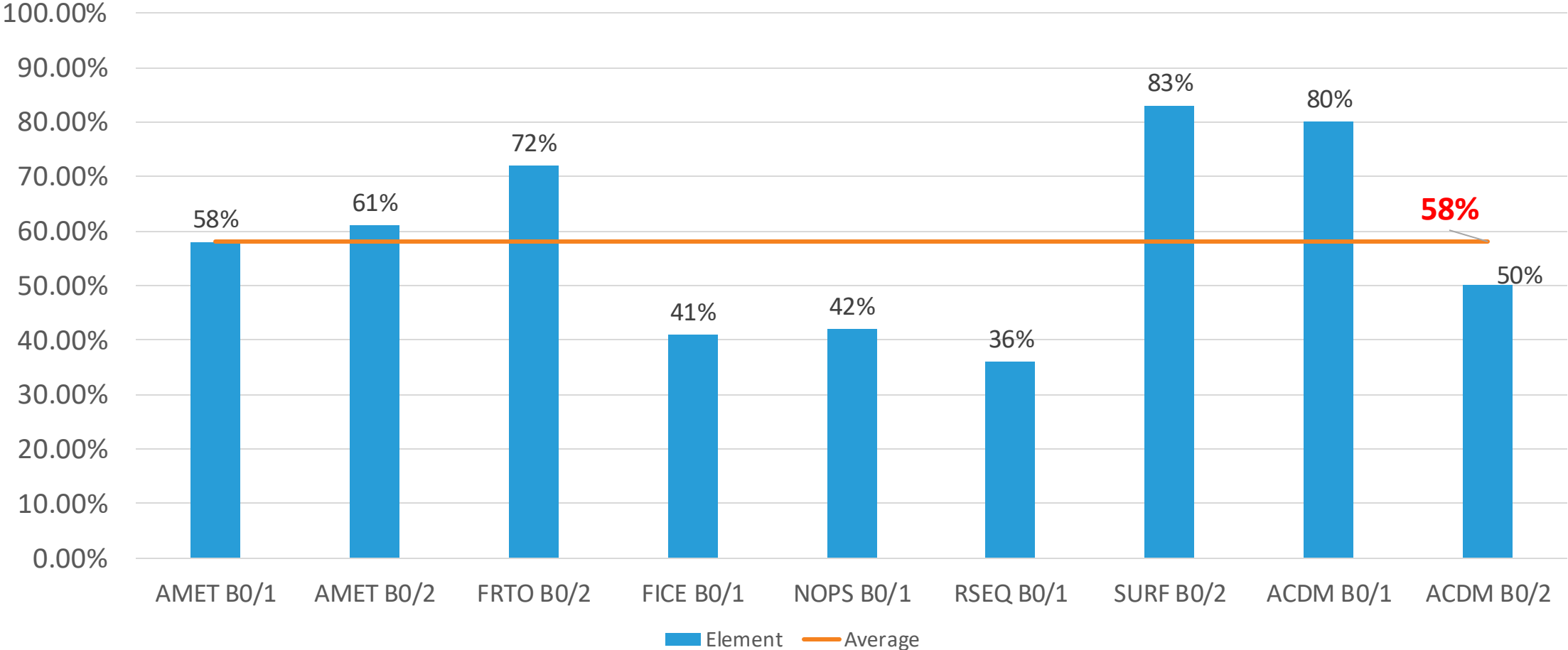
- 1) States national regulation, staffing and training 59%;
- 2) demand analysis 66%;
- 3) capacity calculation 63%;
- 4) implementation of ATFM measures at airport and TMA 44%;
- 5) implementation of ATFM measures at ACC Sectors 54%;
- 6) supporting tools as identified in MID ASBU elements priority one 63%;
- 7) overall implementation of ATFM Phase IA requirements is 59%.

MID Region Level of ATFM implementation

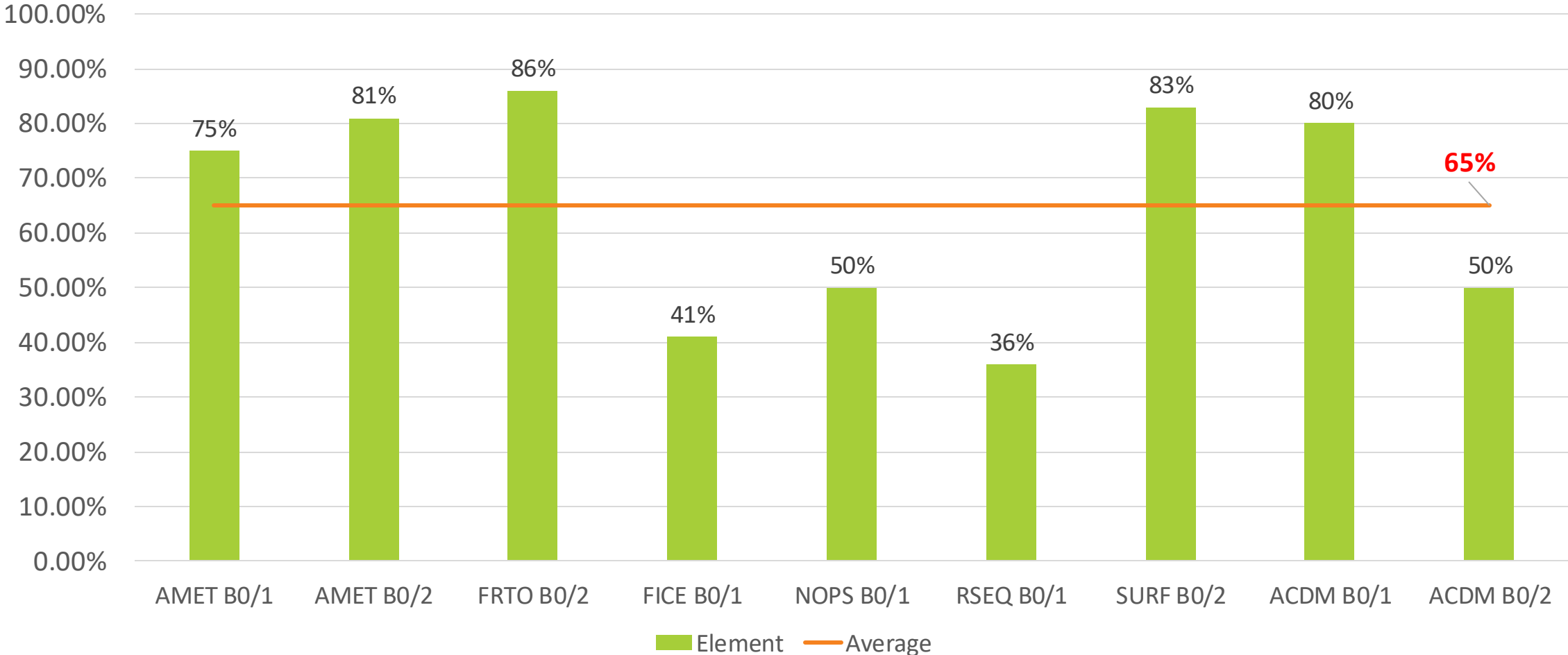


# Progress of MID ASBU priority 1 elements related to ATFM - ANR 2024

## All MID 15 FIRs - Applicability Area



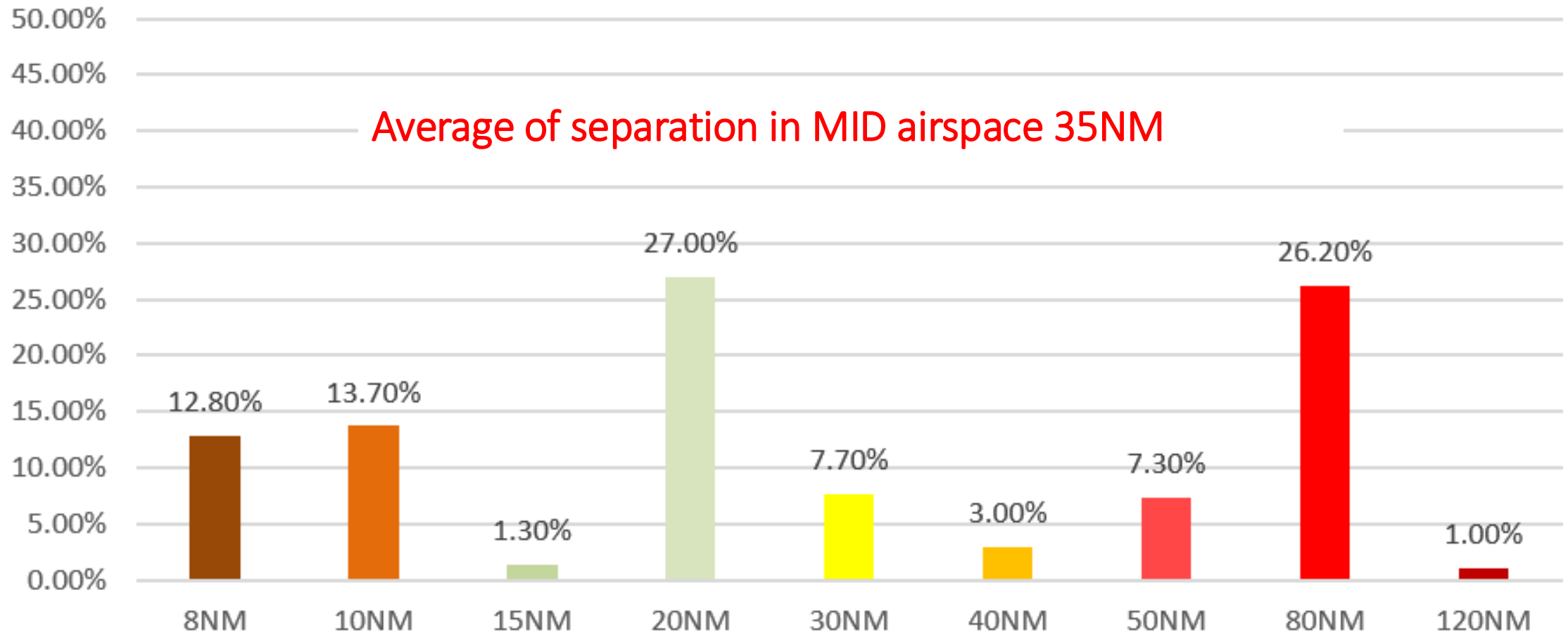
## 10 Top FIRs based on number of overflight - Applicability Area





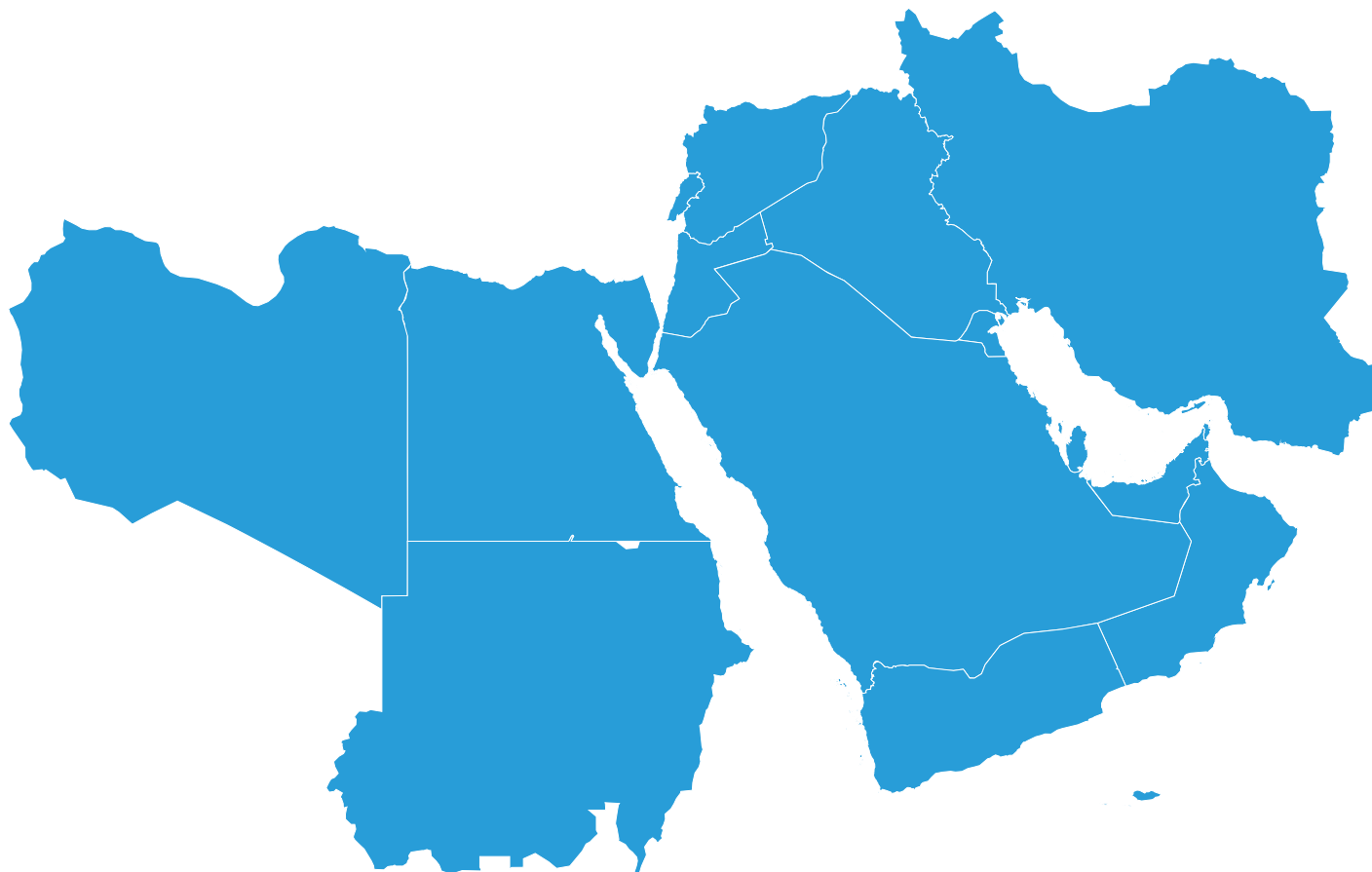
# MID Airspace optimization

## Amount of separation per MID airspace FIR Boundaries



04  
MID ATFM  
Challenges

MID Region States



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## MID ATFM Challenges

Based on the developments within the MID Region, there is an increased need for ATFM measures to be implemented, considering the increased numbers of global events hosted within the region, increased regular traffic demand and Contingency /crisis measures frequently reported within the region and on its interfaces.

The lack of national regulations to mandate the implementation of Capacity calculation and ATFM measures (when needed) continues to be the main challenge in the region.

The MID ATFM TF continues to play a pivotal role in supporting the implementation.

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# Thank You

