



الهيئة العامة للطيران المدني  
GENERAL CIVIL AVIATION AUTHORITY

# ATFM

## A REGULATORS PERSPECTIVE

Presented by

Herman Groenewald

ATM Inspector – Air Navigation & Aerodrome Department

رؤيتنا: منظومة طيران مدني آمنة ورائدة ومستدامة  
OUR VISION: A LEADING, SAFE, SECURE AND SUSTAINABLE CIVIL AVIATION SYSTEM

# SCOPE

- What is ATFM
- Why ATFM
- ATFM Enablers in the UAE
- Regulator Actions



# WHAT IS ATFM

**Air Traffic Flow Management (ATFM) is an enabler of air traffic management (ATM) efficiency and effectiveness.**

ICAO Doc 9971

A concept of balancing air traffic demand and capacity through:

Spacing Restrictions

Rerouting

Ground Holding

Airborne Holding

# WHY ATFM



**ATFM contributes to the safety, efficiency, cost effectiveness, and environmental sustainability of an ATM system.**

**To ensure that safety is not compromised whenever the traffic demand in an airspace or at an aerodrome is forecast to exceed the available capacity**



# ATFM ENABLERS IN THE UAE

UAE Airspace Policy includes an ATFM policy statement.

The UAE Air Traffic Management Strategic Plan that supports the evolution to a future ATM system in the United Arab Emirates that is performance-based, addresses ATM community expectations, is cost-efficient and globally harmonized.

CAR PART VIII Sub Part 4 provides ATFM regulatory requirements.

UAE Airspace Coordination and Contingency Cell Airspace users/ANS providers could share any operational information which could impact Air Traffic Operations in the UAE FIR and beyond

Collaborative Air Traffic Flow Management **(ATFM) study and operational trial**. The output shall result in a concept of operations specific to the UAE environment.

# THE ROLE OF THE REGULATOR

- To facilitate the smooth implementation of all required ATFM measures by:
  - Ensuring that the UAE CAR makes provision for ATFM.
  - Regulate Civil Aviation activities to achieve safe and secure civil aviation systems
  - Ensure adherence to the regulatory requirements
    - Certification / Approvals
    - Authorizations / Licensing
    - Through effective oversight systems (Audits, Inspections)

# THE ROLE OF THE REGULATOR

- The regulator facilitates the development of ATM (which includes ATFM) enhancements and technologies through the following:
  - Through introducing policies and regulations that will accommodate such developments for ATM stakeholders
    - Example 1 : The airspace policy which was published and included a clear statement that the UAE will be implementing ASBU modules – including ATFM concept.
    - Example 2: The UAE ATM strategic plan which was published and includes timelines and priorities for implementing ATFM
    - Example 3: ATFM is authorised through CAR PART VIII sub part 4

# THE ROLE OF THE REGULATOR

## ➤ Collaboration with international / regional organizations

By:

- Participating at ICAO Panels and working groups to allow your industry to shape global developments
- Host seminars and workshops to provide opportunity for awareness and training
- Share and exchange practices with international / regional partners to accommodate lessons learnt within your national plans



# THE ROLE OF THE REGULATOR

- **Fostering National plans through establishing technical / advisory committees**
  - Example 1: National Airspace Advisory committee / National ATC Technical committee / National AIM technical committee / National CNS technical committee / National Aerodrome Technical committee
  - Example 2: Established an Internal UAE ATFM work group under the National Airspace Advisory Committee (NASAC)

Note: the above committees are all facilitated by GCAA regulator and consists of all ATM stakeholders including ANSPs , airports and operators with the aim of developing national plans.

# REGULATOR ACTIONS

- **CURRENT**

- Provide regulatory guidance, processes and procedures
- Provide Guidance to the UAE ATFM work group
- Report Implementation progress to ICAO MID
- Continue support to the ICAO ATFM work group

- **FUTURE**

- Continue to develop the Regulations as technology and systems mature
- Continue report Implementation progress to ICAO MID
- Ensure ATFM status published in the UAE AIP as applicable
- Ensure sufficient training to Organizations in order to facilitate the implementation of ATFM
- Ensure GCAA Inspectors are trained in order to provide efficient oversight

# CONCLUSION

- **ATFM measures are restrictive in nature and should be kept to the minimum.**
- States must ensure that their ATM policy, plans and regulation includes facilitation of ATFM.
- Collaboration is essential (National, Regional, International)

THANK YOU

