



SAFE SKIES.  
**SUSTAINABLE  
FUTURE.**



# ICAO APAC/MID ATFM-FF-ICE Seminar 2025

Dubai, UAE, 23 – 26 February 2025

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## **Indonesia's Experience with ATFM**

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INDONESIA

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**01** PROGRESS OF ATFM IN  
INDONESIA

**02** PARTICIPATION IN THE  
ICAO APAC REGION

**03** CHALLENGES IN  
IMPLEMENTING ATFM

**04** ATFM  
IMPLEMENTATION  
INITIATIVES

# PROGRESS OF ATFM IN INDONESIA





**CONDITION** Congestion on runway at specific time

**GAP** Seasonal Schedule Deviation  
Airline Internal & External Factor  
Understanding the importance of information  
Demand and capacity balancing

**SOLUTION** Developing tool to identify demand and to control slot time changes



## Strategic Phase



Indonesia Airport Slot Management



Seasonal Schedule Management at Coordinated Airport and International Airport (Total 46 Airports)



Consist of ANSP and Airport Operator to consider:

- Runway Capacity
- Terminal Capacity
- Apron Capacity

# Pre-Tactical and Tactical Phase



## Establish Chronos v1

- Demand & capacity monitoring
- Airport slot management across 35 airports
- Allow information sharing



2016



## Updating Chronos to v2

- Easier to upload data
- Collaboration with departure and destination airport



2018



## Updating Chronos to v3

- Enhancing security
- Optimized system
- Introduce A-CDM



### Milestones

2024



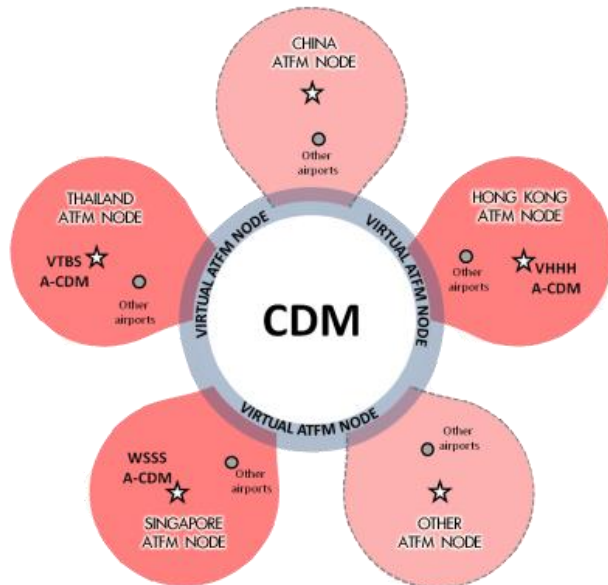
## ATFM Implementation

- Chronos as ACDM support
- ATFM Implementation by ATFM system (expected February 2026)



2026

# PARTICIPATION IN THE ICAO APAC REGION



Participate as LEVEL 2 AMNAC Member since 2017



3 Major airport that took part:

1. WIII/CGK with average 1000 mov/day
2. WARR/SUB with average 300 mov/day
3. WADD/DPS with average 400 mov/day



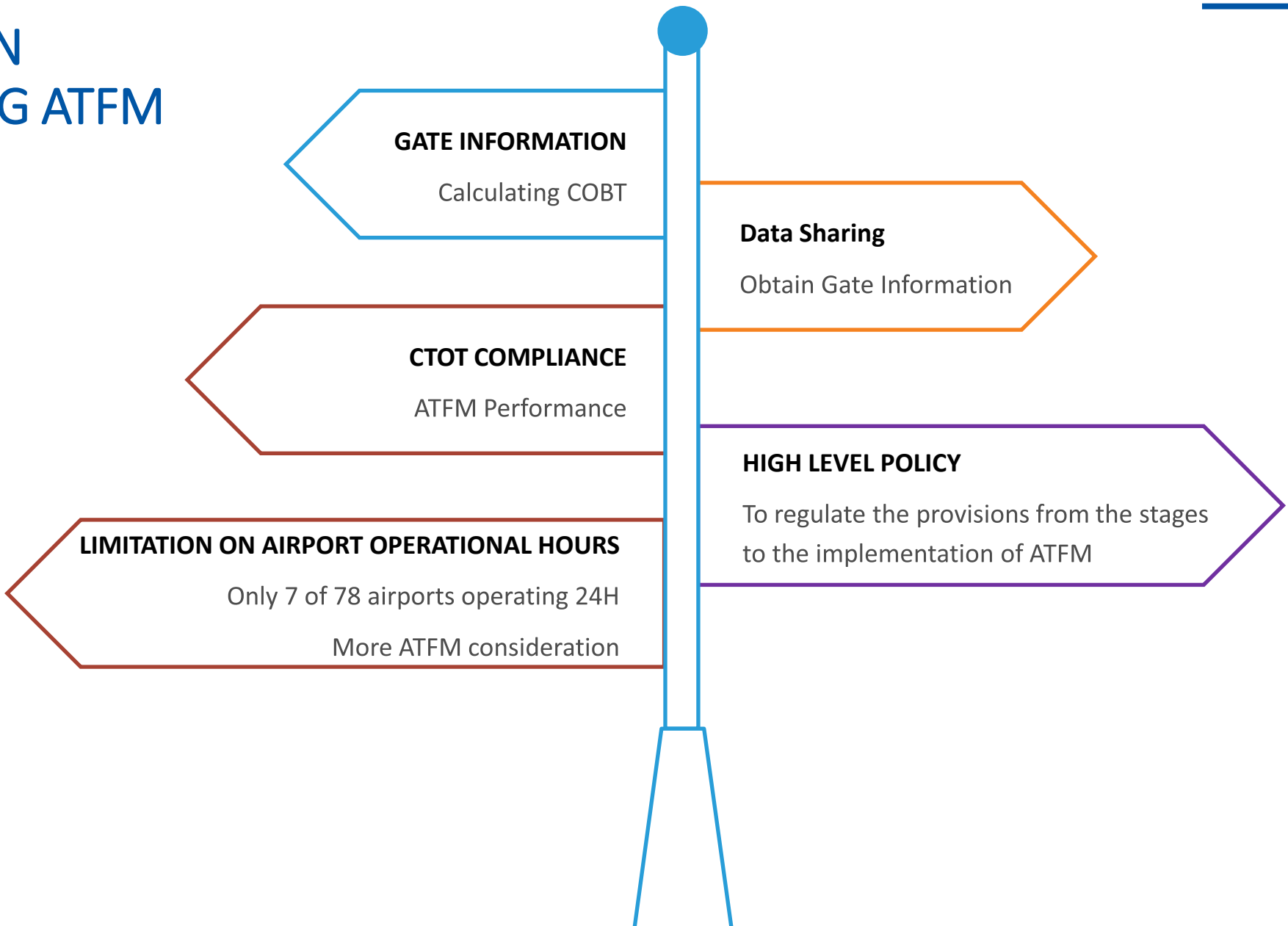
Actively Participate in ATFM Implementation



Receive and comply to CTOT (ATFM Measure)



# CHALLENGES IN IMPLEMENTING ATFM



## ATFM IMPLEMENTATION INITIATIVES



### STATE

- Strengthening regulations
- National ATFM Implementation Task Force



### AIRNAV

- Personnel training
- Facility upgrades
- Procedure development



### OTHER STAKEHOLDERS

- Taking an active role in ATFM Implementation
- Personnel training
- Providing system to support ATFM

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# Thank You

