ENHANCING REGIONAL ATFM COORDINATION THROUGH RECOM

Presented by China, Hong Kong China and Singapore

ICAO APAC 2026

ATFM & A-CDM/SG/16

CONTENT

1

Background

2

Why Is Change Needed

3

What Is RECOM

4

Enablers

5

Why Join RECOM

6

ACTION BY THE MEETING

/01

Background

Evolution of ATFM in APAC

Achievements of cross-border ATFM

Transparency

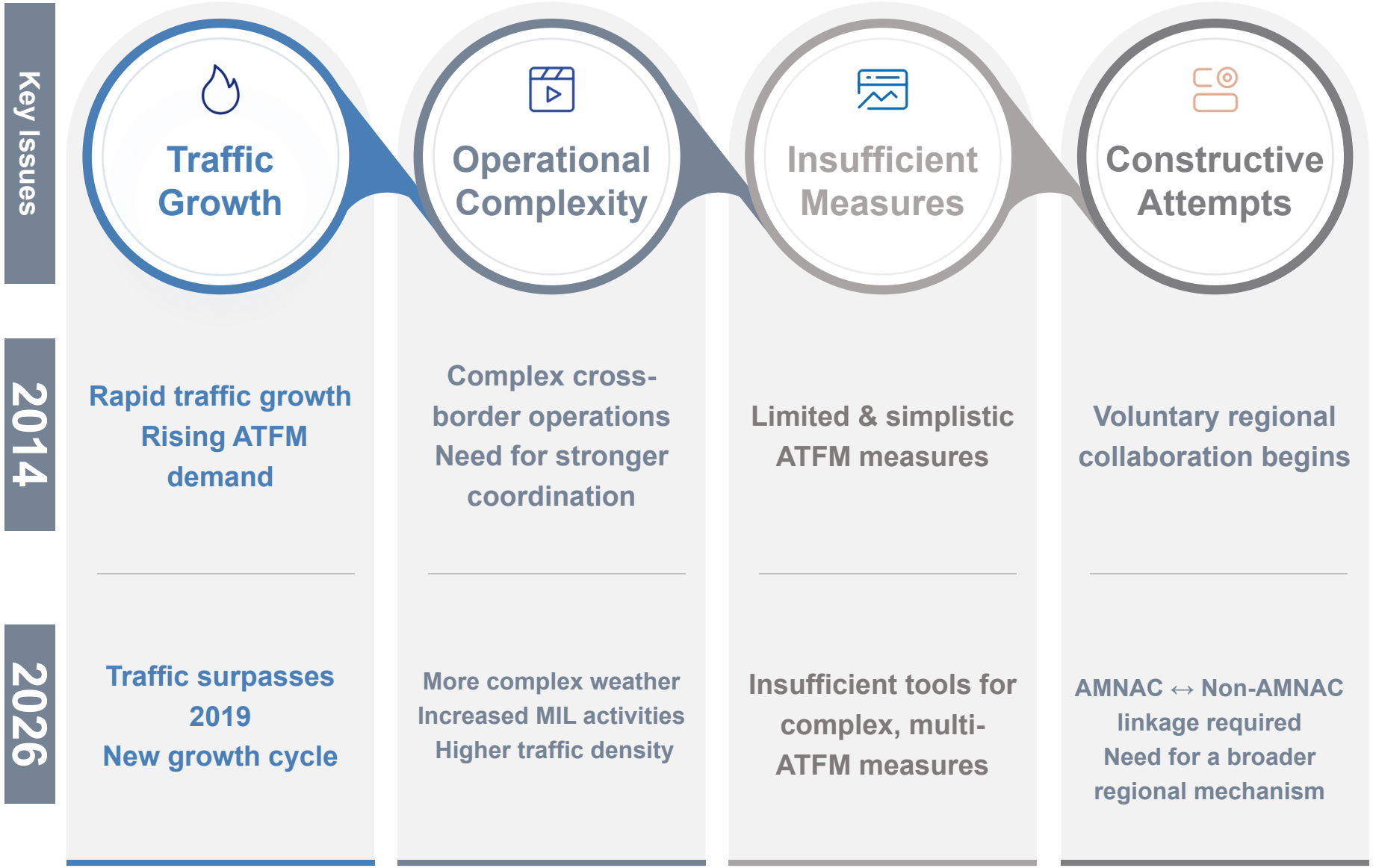
Predictability

Harmonization

Significant progress achieved in cross-border ATFM

Asia Pacific Cross Border Multi-Nodal ATFM Collaboration (AMNAC), North Asia Regional ATFM Harmonization Group (NARAHG) and other coordination platforms

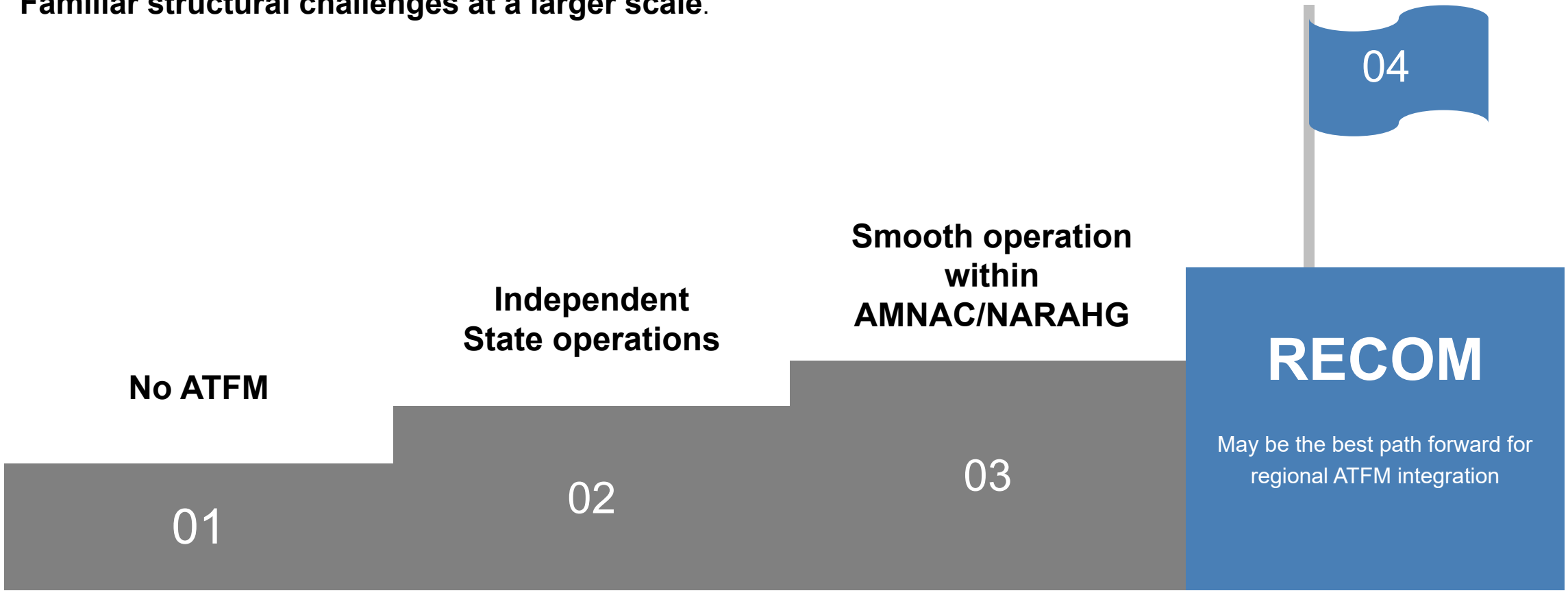
The Rising Need for Cross-Sub-Regional Coordination



As challenges evolve, stagnation is not an option

Twelve years on, the region faces

Familiar structural challenges at a larger scale.



From Sub-Regional Success to Regional Coordination

RECOM

RECOM does not replace existing mechanisms;

It is a natural extension of established collaboration.

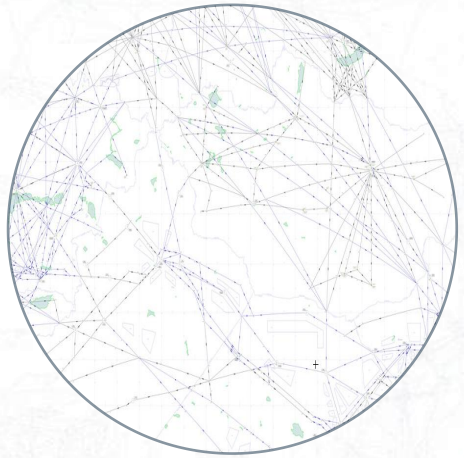
In essence, RECOM represents the next evolutionary step envisioned for AMNAC.

Connector & Network

- A connector between sub-regions
- A real-time operational coordination network

Platform & Mechanism

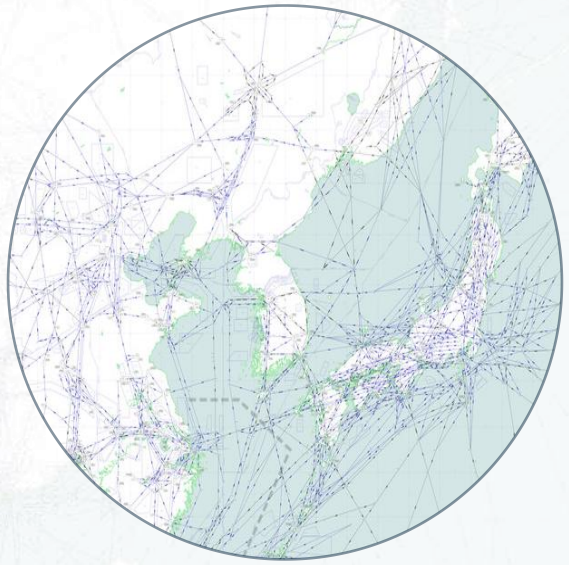
- A regional transparency platform for ATFM measures
- A collaborative mechanism enhancing network resilience



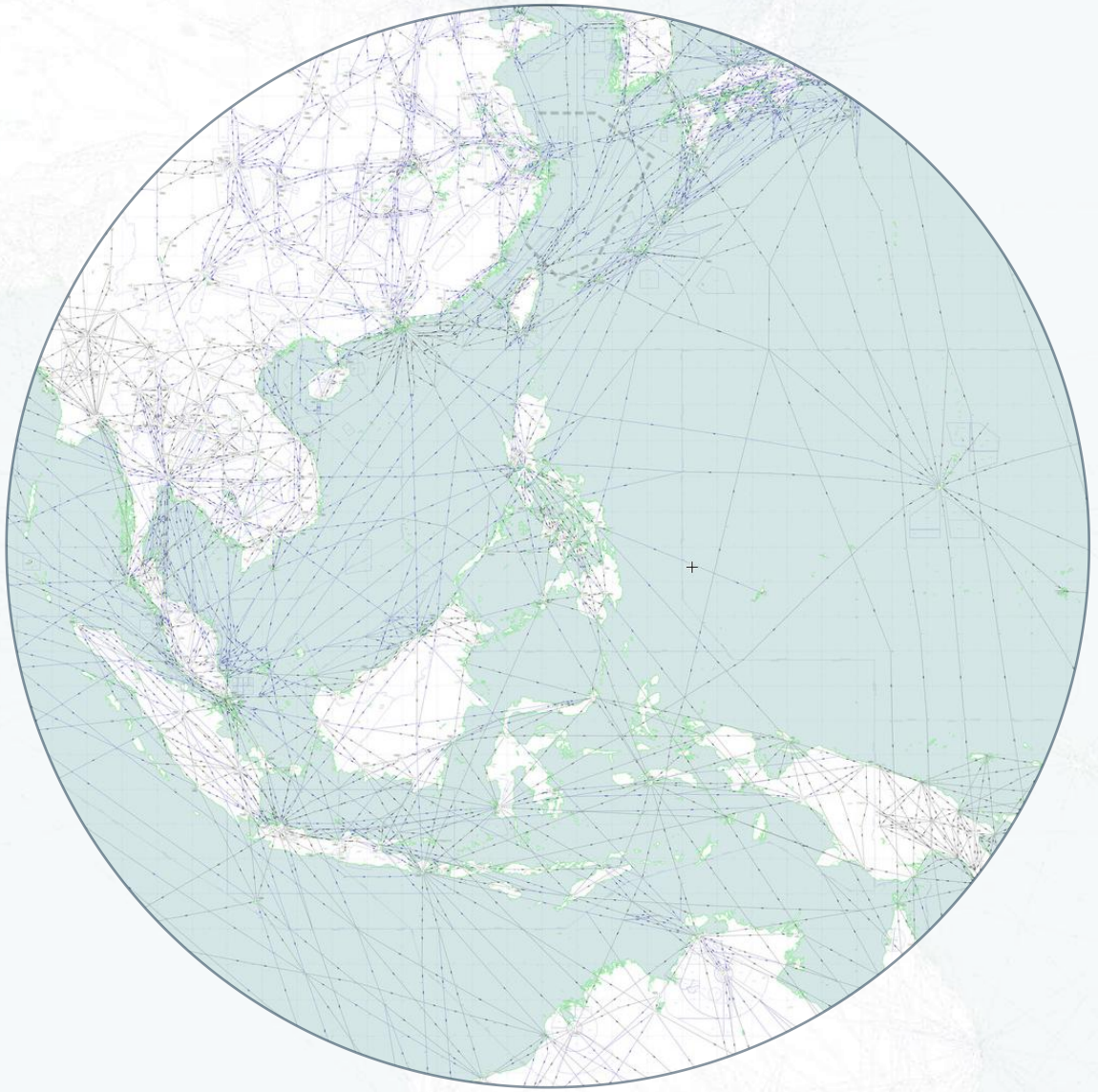
China/Russia/Mongolia

Central Asia

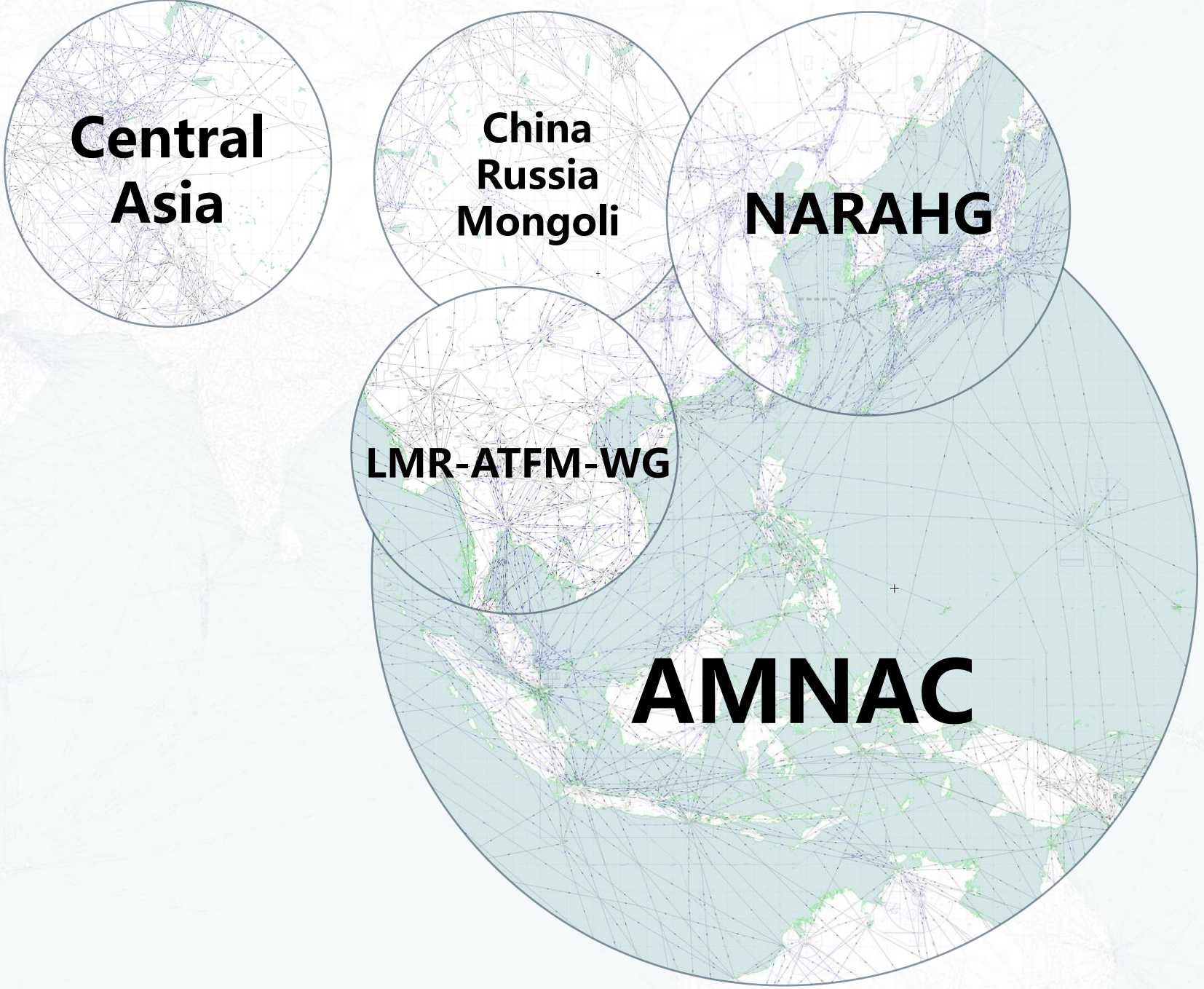
LMR-ATFM-WG

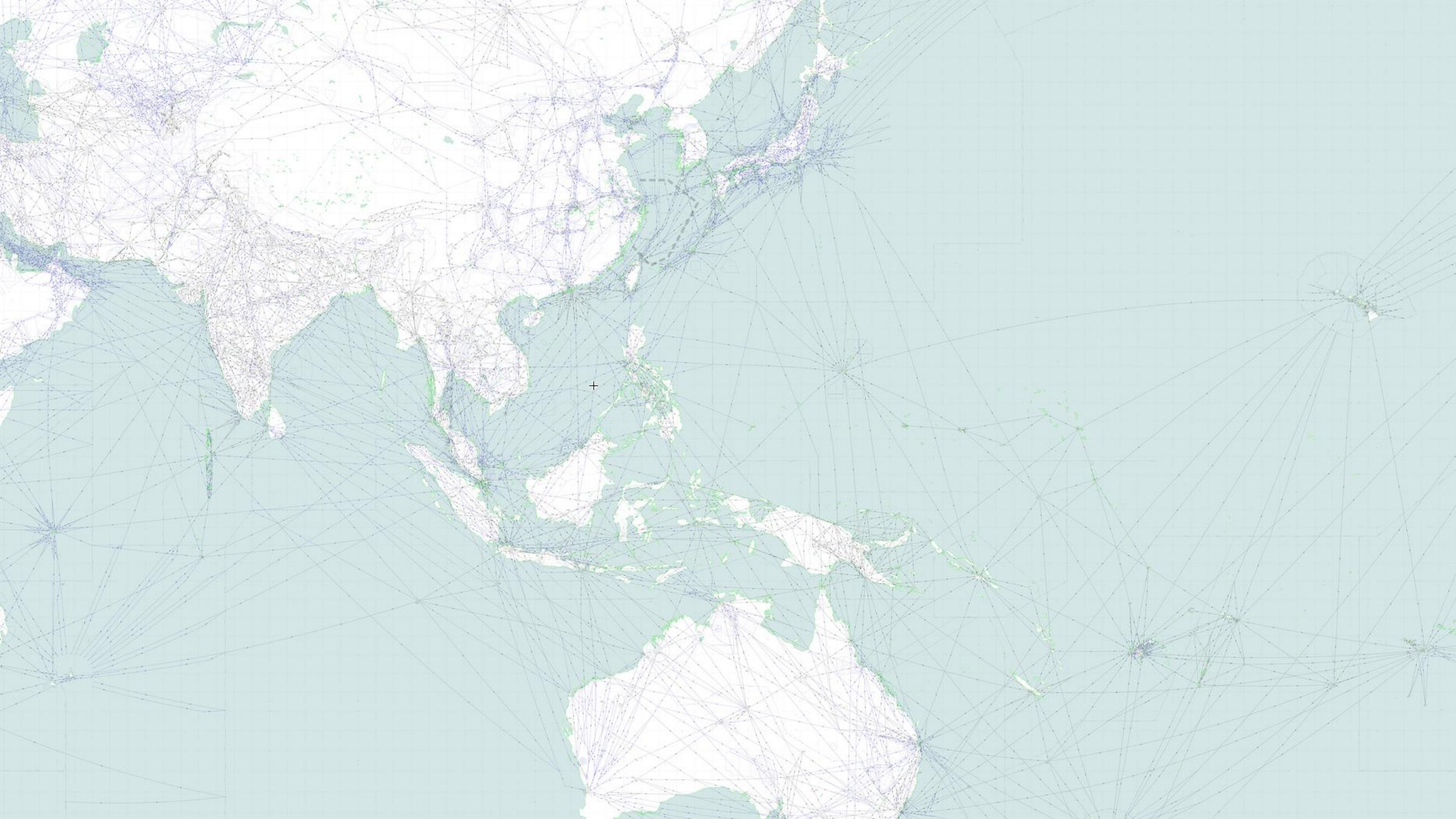


NARAHG



AMNAC


Central Asia
China Russia Mongoli
NARAHG
LMR-ATFM-WG
AMNAC



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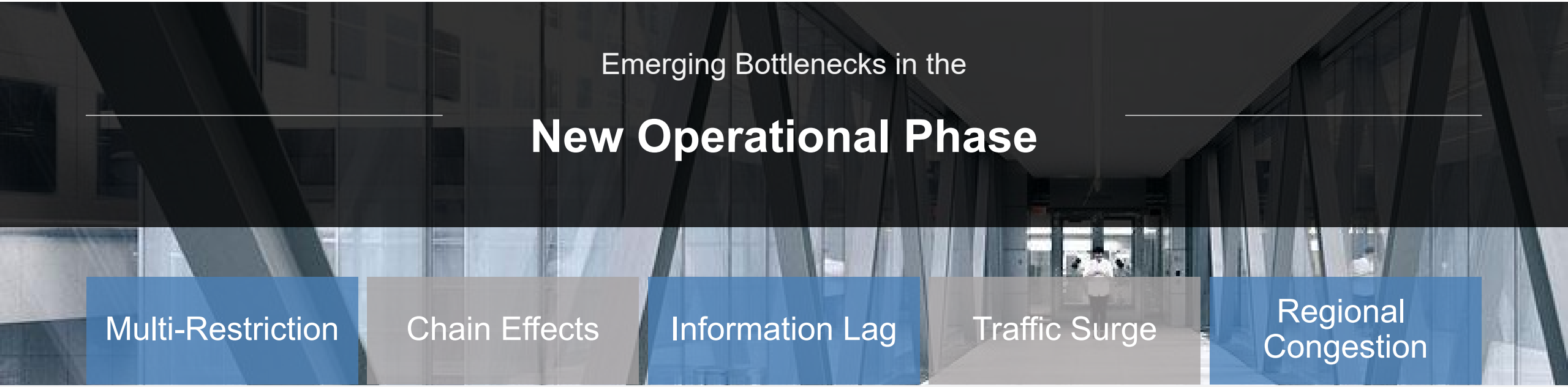
Why Is Change Needed?

Emerging Challenges in a More Interdependent Network



Emerging Bottlenecks in the

New Operational Phase

Multi-Restriction	Chain Effects	Information Lag	Traffic Surge	Regional Congestion
• Multiple GDPs impacting the same traffic flow • Overflight route restrictions overlapping with destination airport constraints	• Cross-border CTOT chain effects • Low CTOT compliance in one State triggering cascading CTOT disruptions	• Delayed upstream/ downstream information visibility • Delayed or missing flow information resulting in airborne aircraft	• Large-scale rerouting affecting regional capacity • Typhoon rerouting causing sudden route congestion	• Local constraints evolving into regional congestion • Local ATFM measures leading to widespread regional delays

Sub-regional coordination alone cannot fully address these challenges

Broader regional collaboration enables

Forward-Looking

- Early identification of measure conflicts

Collaborative

- Harmonized implementation timing

Integrated

- Reduction of duplicate restrictions

High-Efficiency

- Improved overall network efficiency

/03

What Is RECOM?

A platform to enhance coordination among sub-regional ATFM mechanisms

Basic Concept

Cross-regional real-time communication

Transparency of ATFM measures

Operational collaboration

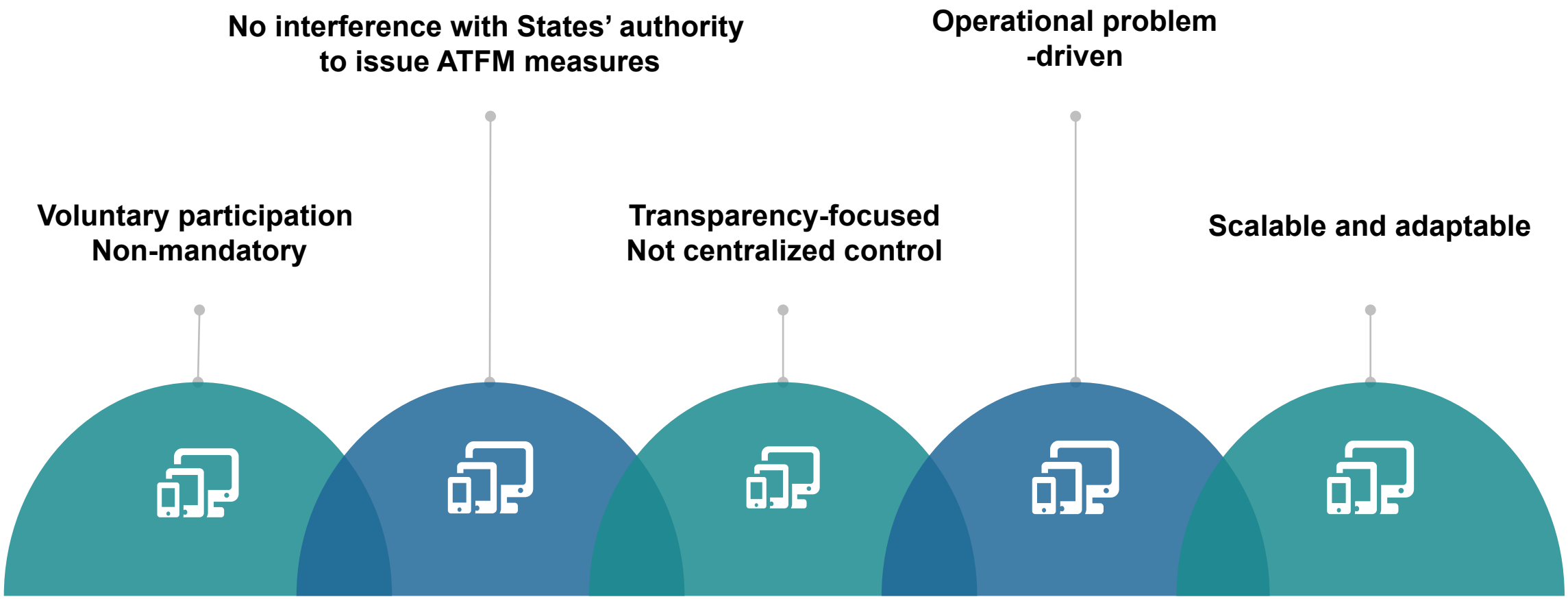
Regional Collaborative Operational Mechanism

is a voluntary regional ATFM coordination platform

is a broader coordination platform involving more States

It represents an expanded, more inclusive evolution of AMNAC

Core Principles



Operational Concept

Multi-Participant Framework

Covers key operational partners, not limited to the Asia-Pacific region, but also closely connected stakeholders

Alignment with Existing Concepts

Inherits the distributed, multi-nodal ATFM philosophy of the Asia-Pacific region, while respecting equality among States.

Efficient Regional Coordination

A real-time communication network enabling regional information sharing and transparency, breaking information silos

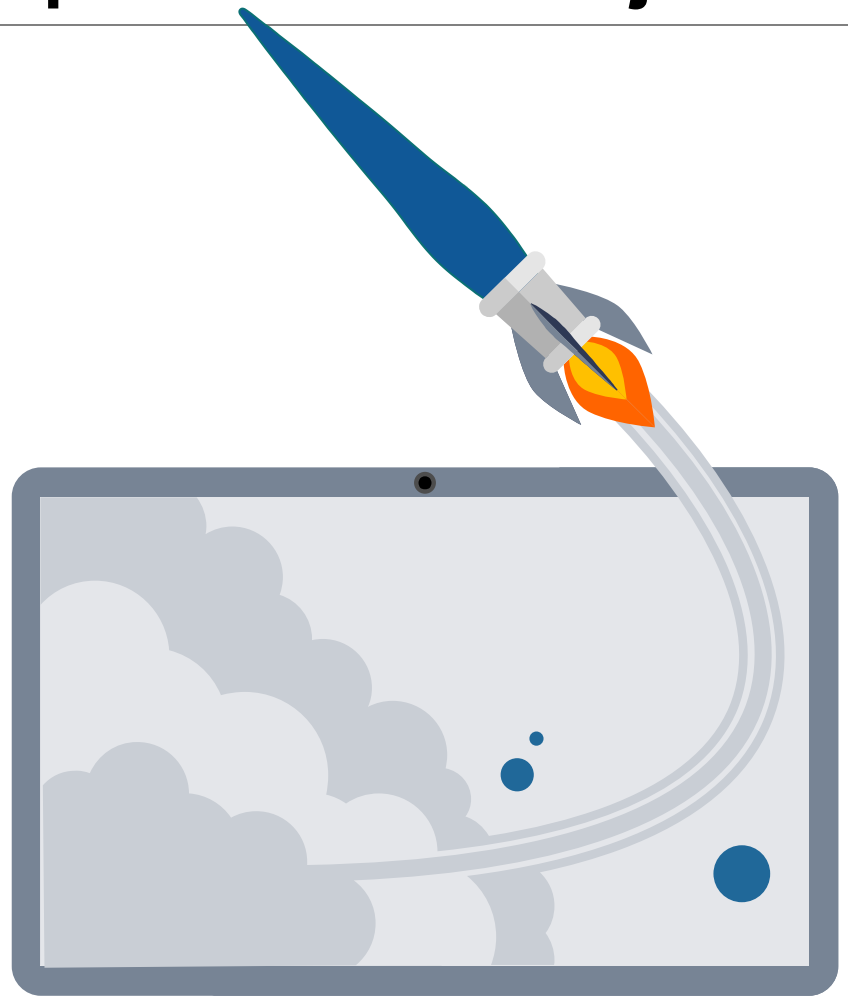
Resilient Network Structure

Facilitates regional resource complementarity and enhances overall network resilience

Resource Integration

Enables regional pooling and mutual support when and where resources are needed

Implementation Objectives



RECOM addresses the lack of cross-sub-regional coordination and information visibility among existing ATFM mechanisms.

Visibility

Enhance visibility of planned ATFM measures and traffic flow expectations

Alignment

Support alignment of operational approaches across sub-regions

Network

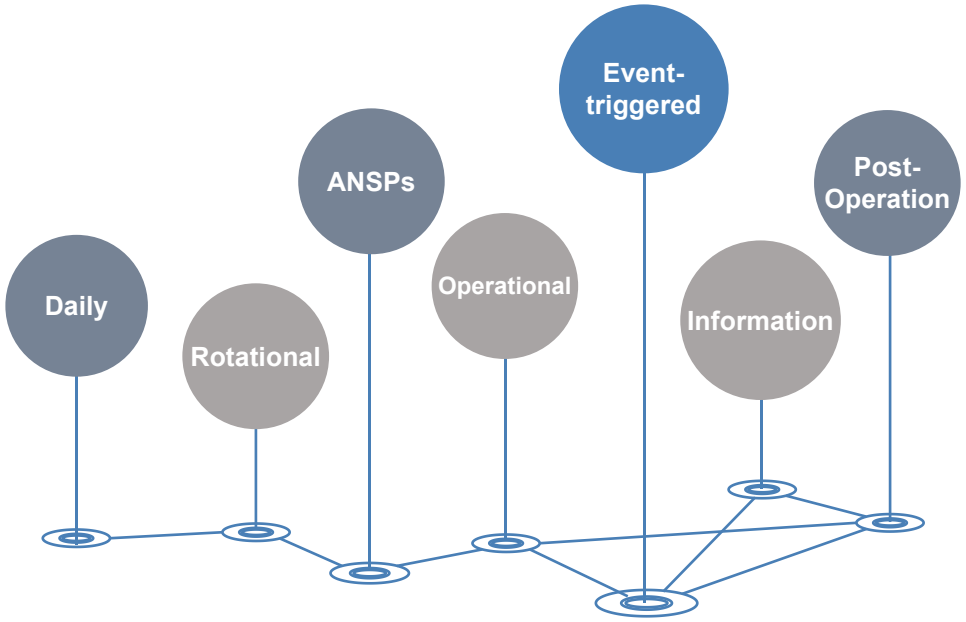
Enable network-level coordination within a distributed, multi-nodal framework

/04

Enablers

Traffic Flow Coordination Call （TFCC）

Daily coordination & Event-triggered meetings



Development Timeline

15 September 2025 – Weekly meetings launched (02:00 UTC, every Monday)

●Chaired on a rotational basis by participating ANSPs

9 February 2026 – Upgraded to daily coordination meetings

●Event-triggered ad hoc meeting mechanism established

Content of Collaborative Consultation

The ATFM web conference comprises:

a. Meteorological Information Notification

b. Operational Situation Briefing

c. Operational Consultation and Coordination

d. Post-Operation Analysis

Participating Members

Initial participants:

●China，Singapore，Hong Kong China

Subsequently joined:

●Vietnam，Cambodia

/05

Why Join RECOM?

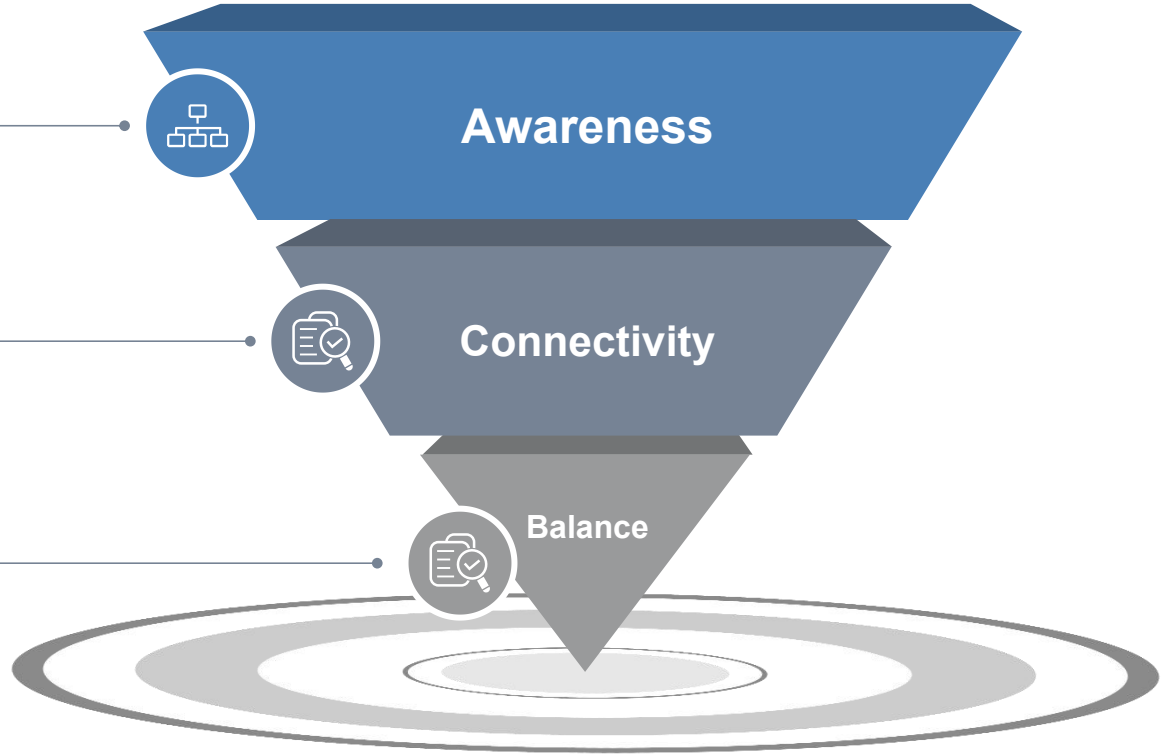
Operational Value and Expected Benefits

Strategic Level

Enhance regional situational awareness

Connect with a broader range of partners

Maintain balanced participation in regional decision-making



Positioning & Connectivity

Operational Level

Synchronization & Efficiency

1. **Early visibility of upstream GDP and constraints**
2. **Cross-border CTOT alignment**
3. **Reduced duplication of ATFM measures**
4. **Weather & rerouting coordination**
5. **Improved predictability and lower ATFM delay**

Risk Management Level

Stability & Resilience

/06

ACTION BY THE MEETING

RECOM connects — it does not control.

ACTION BY THE MEETING

Note the paper

Recognize RECOM as a voluntary initiative

Provide views on regional ATFM coordination

Look for ways to realize RECOM


RECOM
is becoming
A Bigger ATFM Family