

# Collaborative ACN: Uniting Asia-Pacific Skies

**ATFM/SG/15**

**28 April – 02 May 2025**

Presented by ATFM Delegation of China



**How many of you have experienced a delay  
in the past year that originated from another FIR?**



**ATFM China**

## The Domino Effect

Last month, a single thunderstorm over Guangzhou caused



**62** flight diversions

Some FIR had to reroute **22** flights

**18%** longer taxi times

Burning **\$12,000** worth of extra fuel

**47** extra minutes

**SYSTEMIC FRAGMENTATION**

**37% of regional delays cascade across borders**

**a delay in one FIR becomes a crisis in ten**

**ATFM China**

**Better Collaboration - With A Safety Net**

# **The ATFM Cloud Network (ACN)**

## From "Flow Rate" to "Flow Intelligence"

### Celebrate Our Progress

Reduced  
Oceanic Delays

**22%**

Using Manual MIT Coordination

Reduced Its International  
Airport's Peak-hour Delays

**19%**

Using Manual Flow Coordination

Cut  
Peak-hour Delays

**17%**

Through ASEAN Flow Trials

### Face the Music

During  
2024's Lunar New Year

**253** Phone Calls  
In 48 Hours



41 flights still faced 90+ minute  
delays due to **conflicting CTOTs**

## The ACN Difference

No **Replacing** Flow Rate – **Supercharging** Flow Rate

**ACN**

Flow rate with wings

1. Auto-Sync CTOT 

2. Shared Rulebook 

3. Your Control 

Flow Rate 2.0

**Smarter, Not Harder**



## **ACN in Action – Our Blueprint**

**Shared Tools, Zero Strings**

**Chengdu - Kunming**



**2 HOURS**  
**Coordination  
Process**

**Before**

**ACN**

**After**



**9 MINUTES**  
**Automatic  
Synchronisation**

**Zero New Hardware  
Just iPads!**

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## **ACN in Action**

**Your Rules, Our Network**

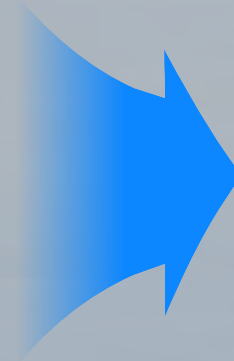
**Pearl River Delta Coordination: 'One Country, Two Systems'**

**Hong Kong**

**Keeps its slot rules  
via ACN**

**Macau**

**Uses a different  
MIT model**



**ZERO  
MAJOR DELAYS**  
**2024 Lunar New Year**

**Historic First in a Decade**  
**CAAC, 2024**

CAAC Press Release, Sept 2024



## ACN in Action – Our Blueprint

**Grow at Your Pace**

**Take Urumqi FIR – once reliant on fax machines**

**2023**

**Manual coordination with 3 neighbors.**



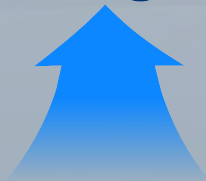
**2024**

**Joined ACN trials via a \$500 Android tablet.**



**Cross-border Flights**

**40%**



**Manpower Pressure**

**50%**



**From Fax to Future in 12 Months**

## Addressing Concerns Head-On

This is “one country” system.

**NO!**

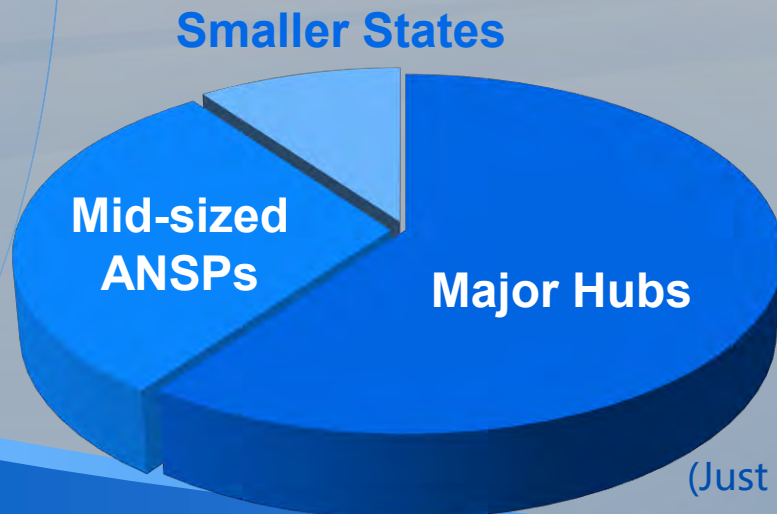
Open-source

Governance Is ICAO-Led

We can't afford it.

**DON'T WORRY!**

"ACN's cost model follows equitable cost-sharing framework



For 2024 Trials

**\$7,200**

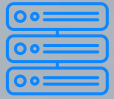
**VS.**

Day's delay costs

**\$8,500**

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## Addressing Concerns Head-On



Your Data

What about cybersecurity



Your Data

# DON'T WORRY!

Zero data breaches

Triple-layer Encryption

Your Data Stays Yours  
The Cloud Just **Makes It Talk.**



## From Fragmentation to Harmony

### Today's Reality

**14**

Different CTOT Calculators



**29**

Versions Of MIT Rules



A Patchwork  
Of Excel Sheets



### Tomorrow's Vision

**One Cloud**

**One Standard**

**A Thousand Voices  
Harmonized**



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| ICAO

**Let's note, review, collaborate.  
Build the Future Together.**





# Thank you.

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The background is a deep blue with several glowing, light blue lines that swirl and curve across the frame, creating a sense of motion and energy. The lines vary in brightness and thickness, with some appearing as sharp, bright streaks and others as softer, more diffuse glows.

**Q&A**