



CDM / ATFM Concept through Sub-Regional Cooperation

Joint Presentation by
Hong Kong, China
Singapore
Thailand
(DGCA-50/DP/3/17)



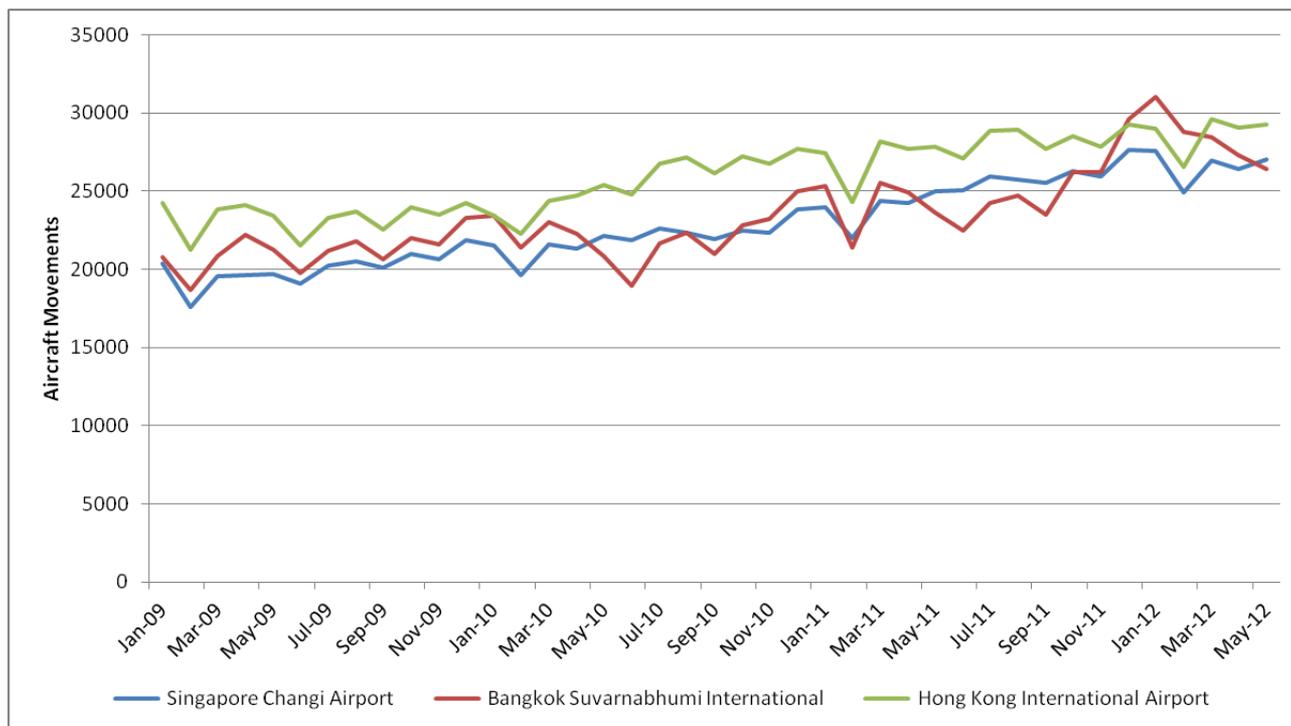
CAAS
Civil Aviation Authority of Singapore



**Civil Aviation Department,
Hong Kong, China**

Introduction

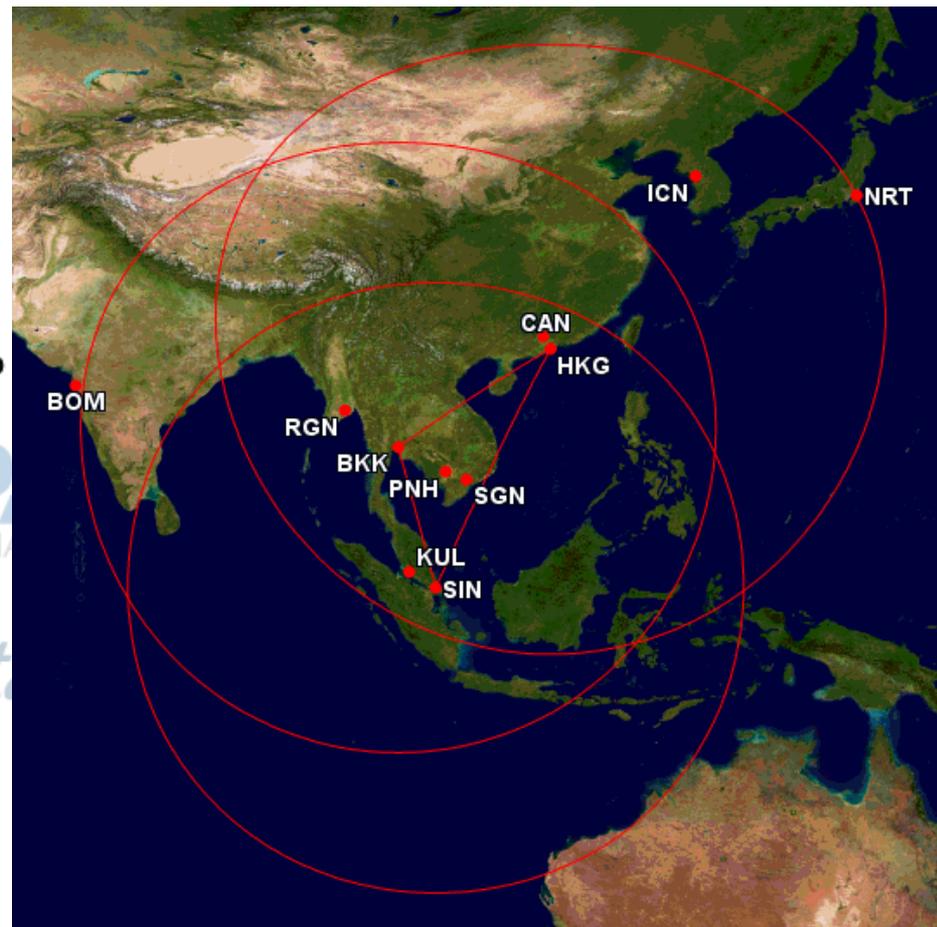
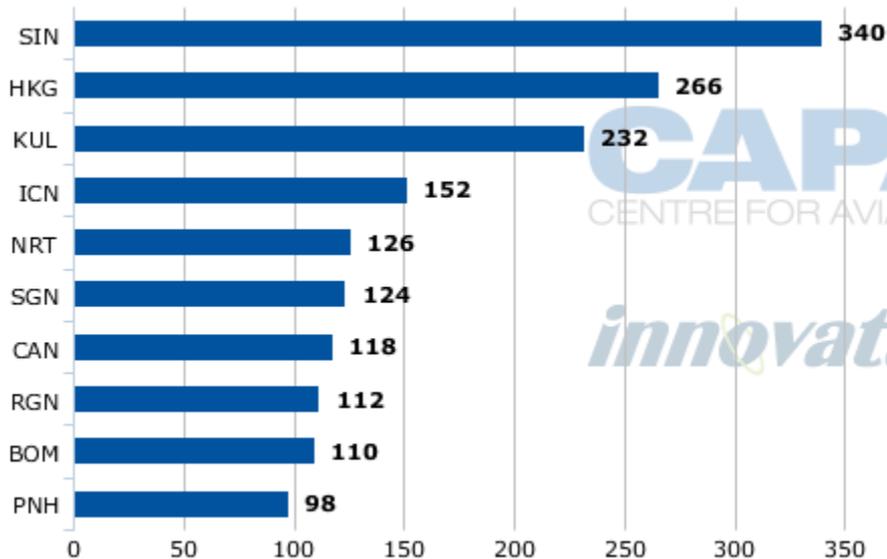
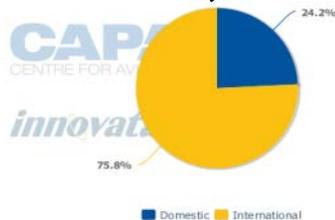
Air Traffic Movements at HKG, BKK and SIN





Bangkok (VTBS/BKK)

• 323,341 (2012)



Frequency (to/from) for the week of 18 – 24 June 2012



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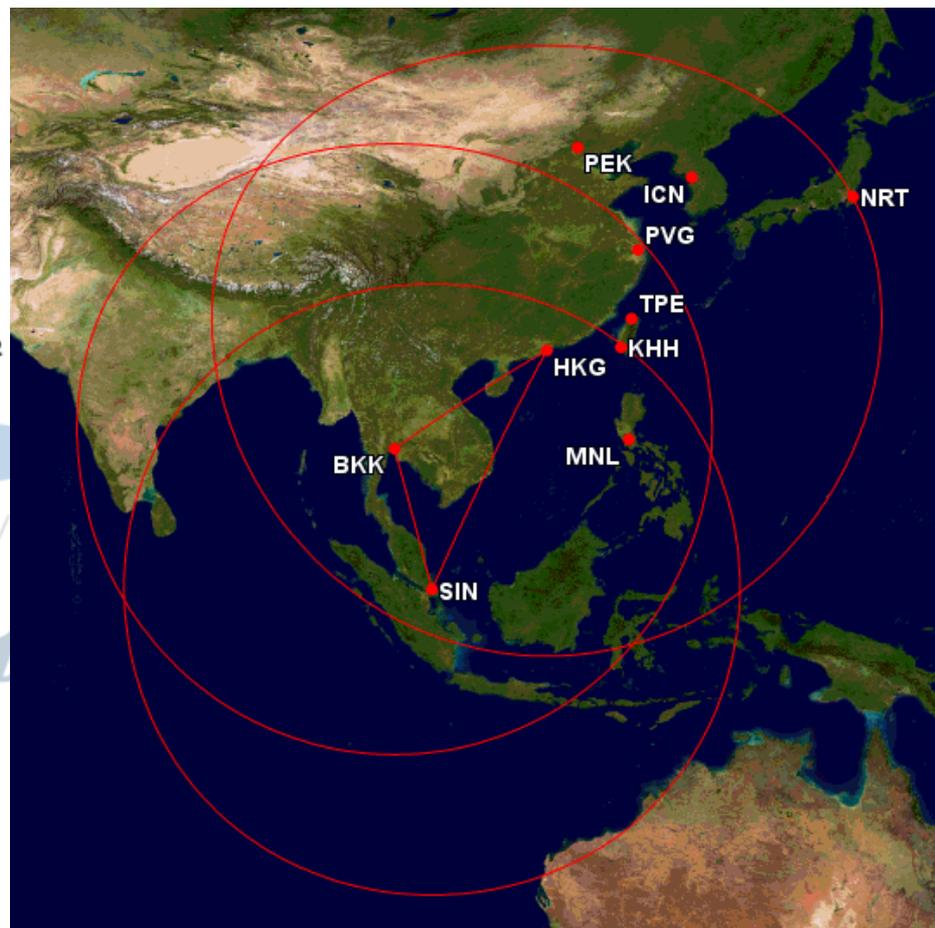
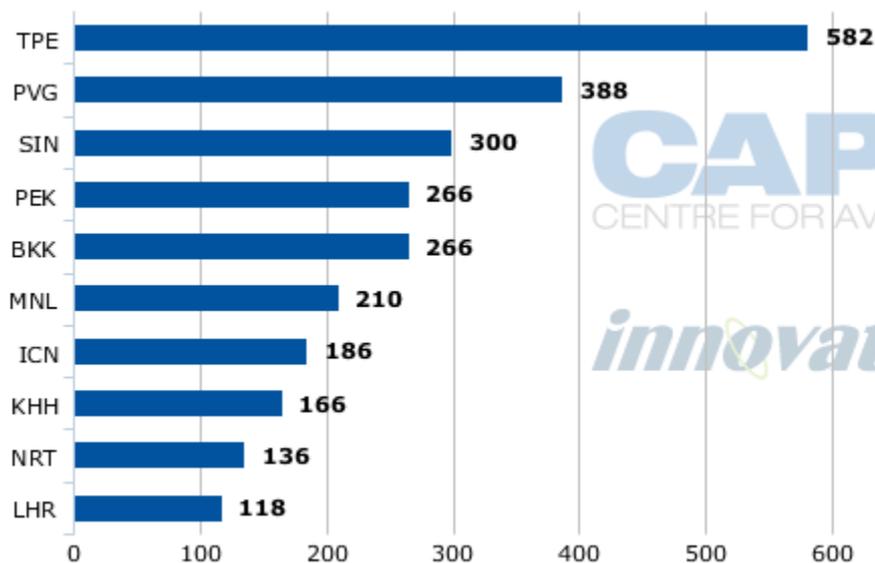


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Hong Kong (VHHH/HKG)

- 352,000 (2012)



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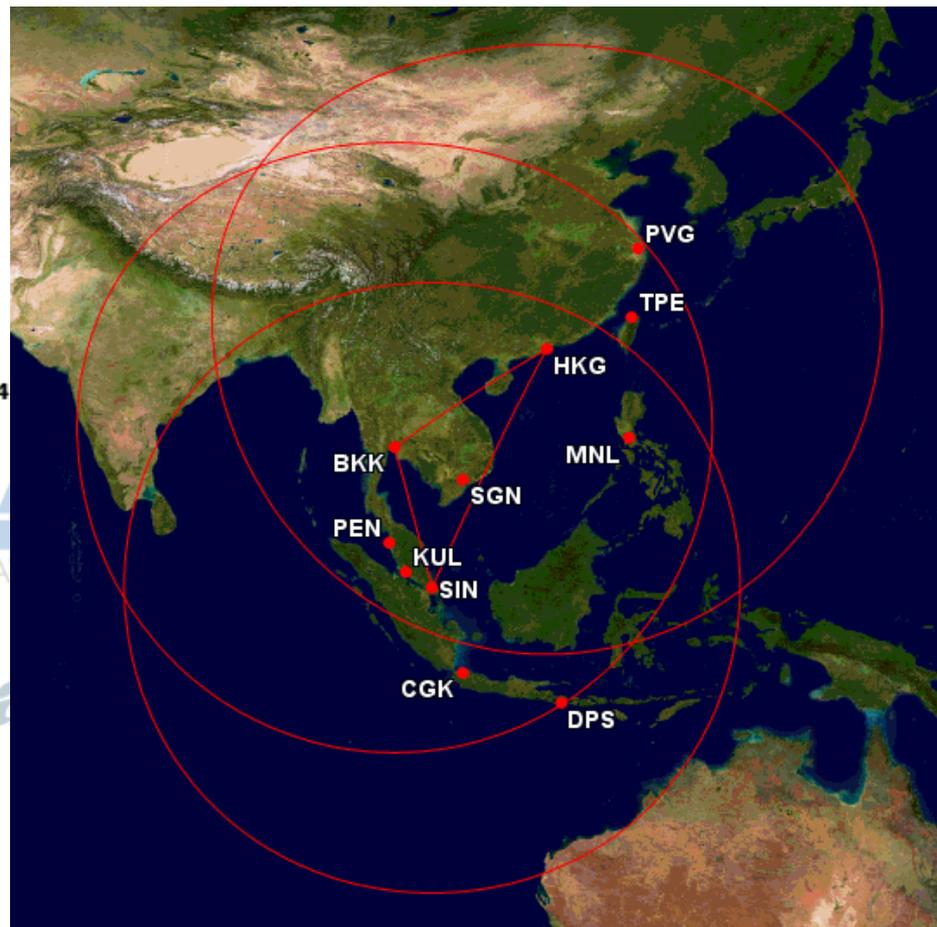
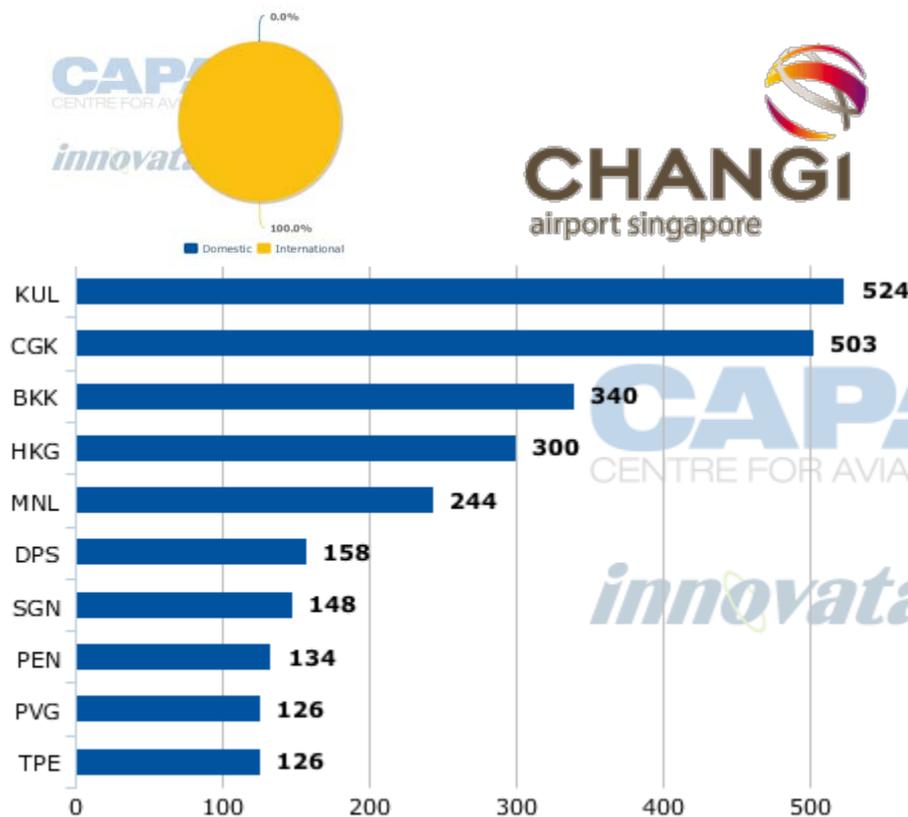


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Singapore (WSSS/SIN)

- 324,429 (2012)



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Need to Balance Capacity and Demand

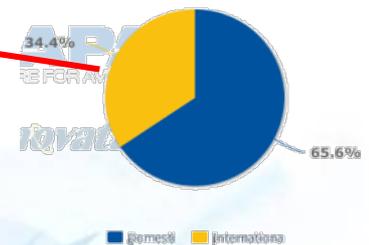
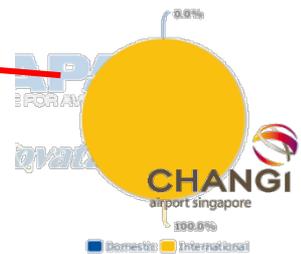
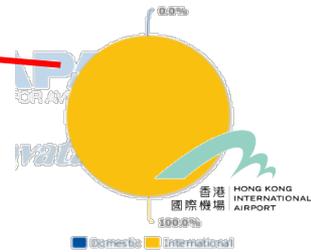
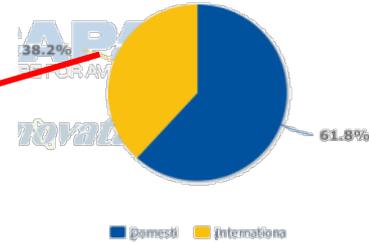
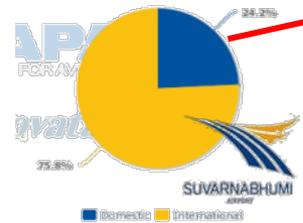
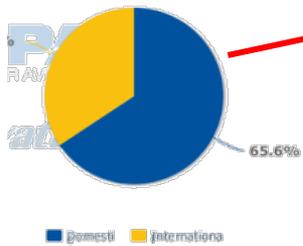
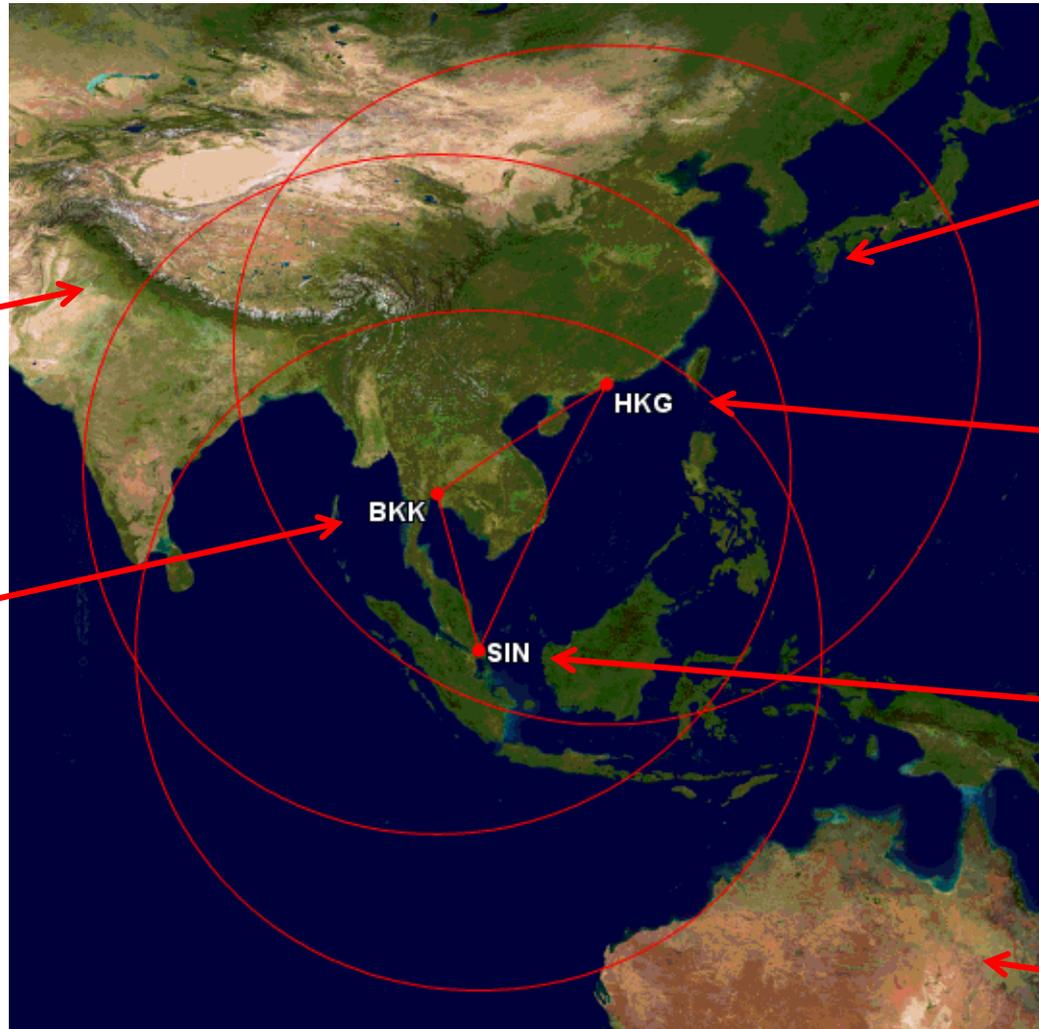


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CDM/ATFM in Asia-Pacific

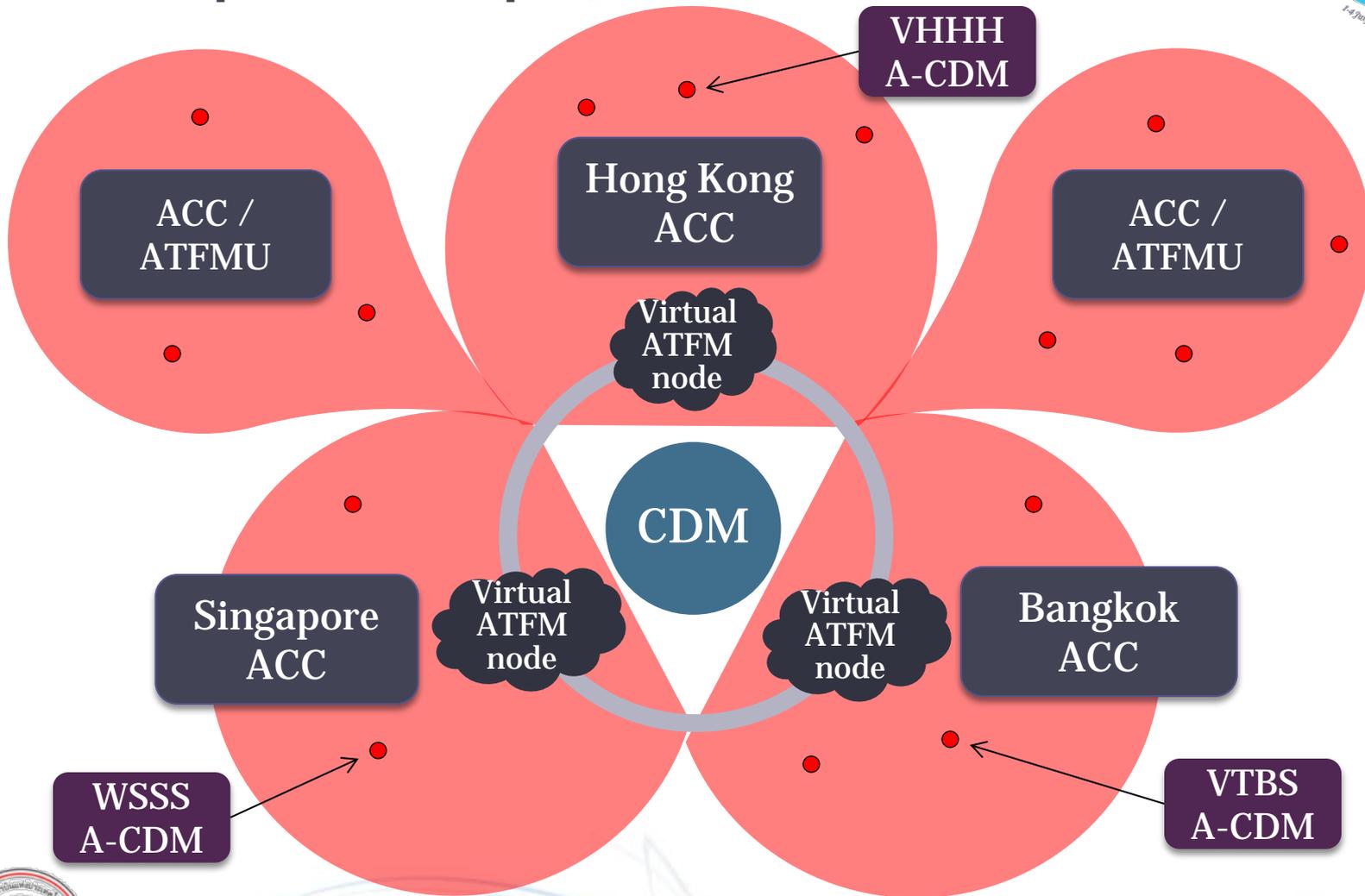


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Concept of Operations

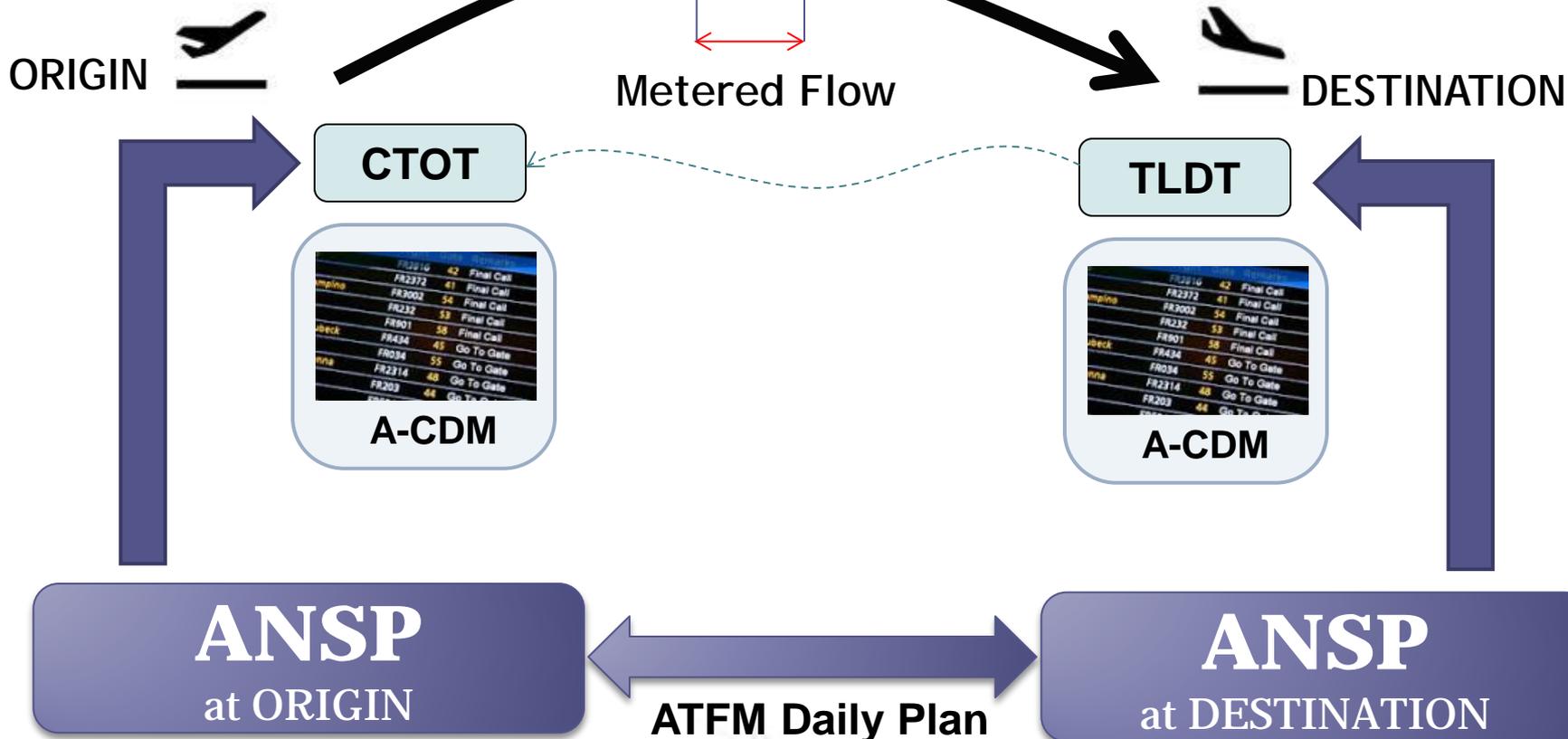




Concept of Operations

Metered Flow with Predictability

Minimise Holding and Delay

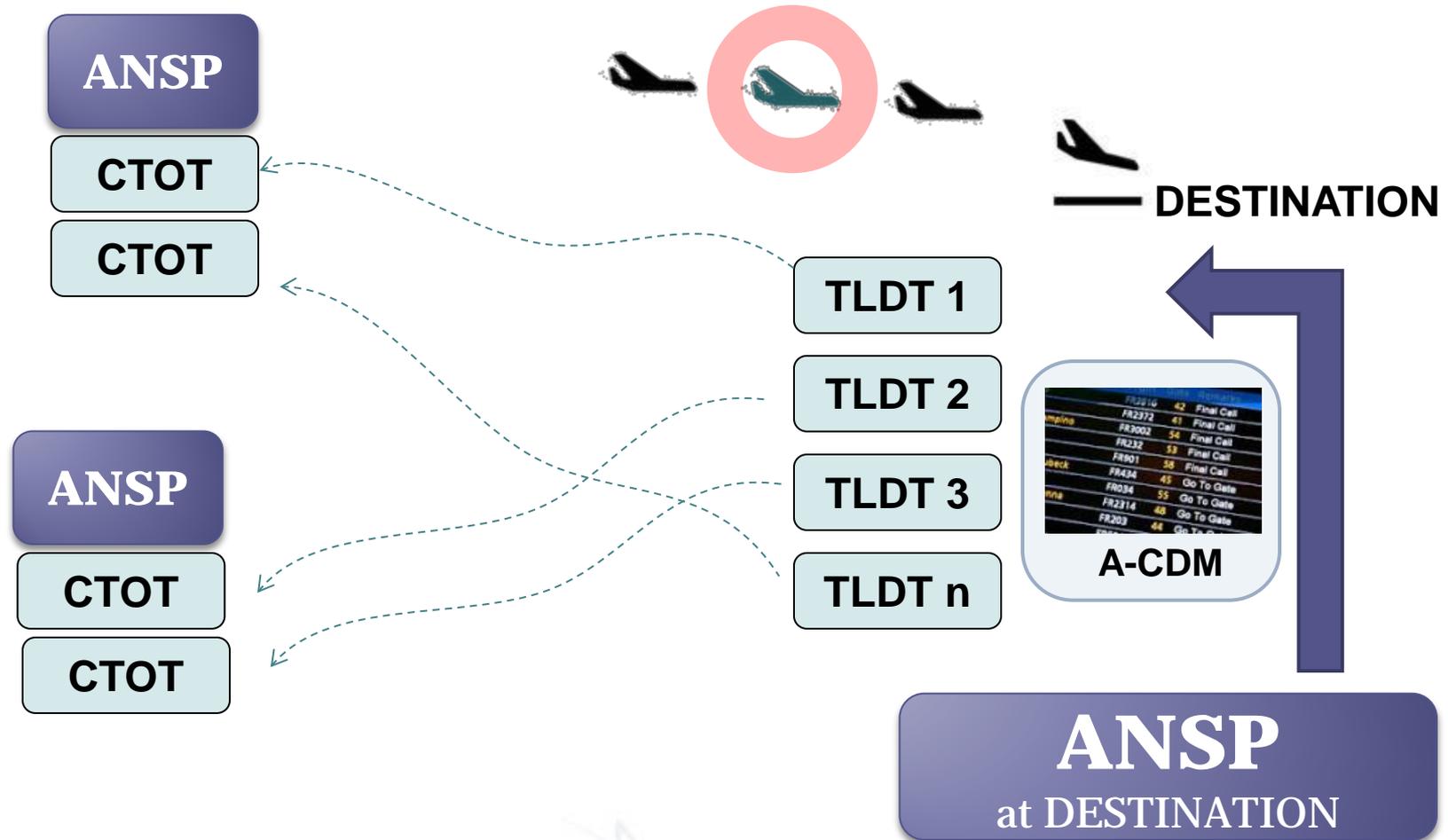


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Concept of Operations



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Phased Approach



Phase 1

Developing
Capabilities for
Information Sharing
Twice Daily Telcon

Phase 2

Proof of Concept
Integrated Test Bench
Fast Time and HITL
Simulation



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What's next ?



BKK

HKG

SIN

?



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Action by the Conference

- note collaboration between the three ANSPs to develop a sub-regional ATFM concept based on CDM through sub-regional cooperation ;
- urge the ICAO Asia-Pacific ATFM Steering Group to develop a common framework and harmonize approach to manage ATFM in the region ; and,
- urge States/Administration to participate in the ICAO Asia-Pacific ATFM Steering Group with delegation of appropriate expertise and work together towards a common goal to manage air traffic flow in the region.



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**Civil Aviation Department,
Hong Kong, China**



Thank You



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