





Third Meeting of

ICAO ATM Sub-Group of APANPIRG









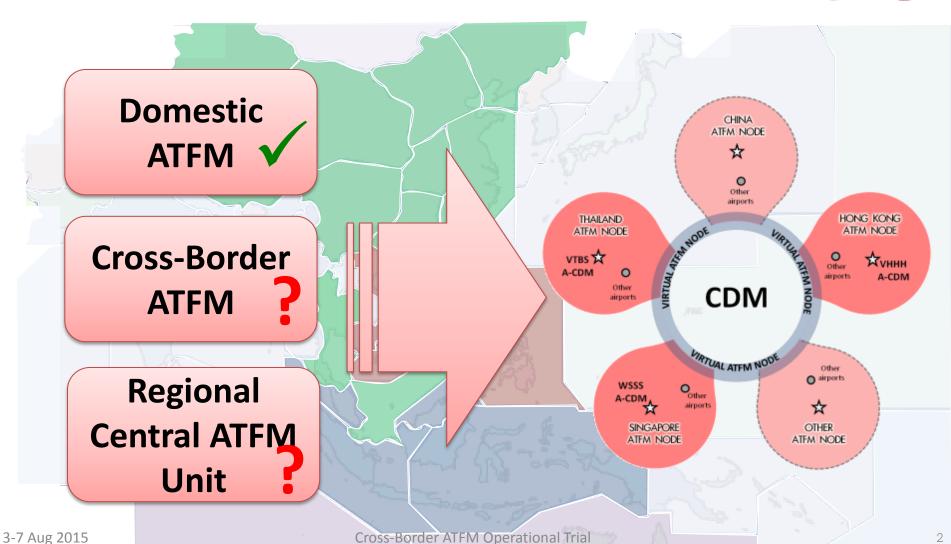




3 – 7 August 2015 Bangkok, Thailand

Asia-Pacific ATFM Landscape





ATFM Operational Trial: Phased Approach



Phase 1 2015 - 2016

- Distributed Ground Delay Program
 - Airport Arrival Constraints (short-term & medium-term) e.g. weather, runway outage

Phase 2

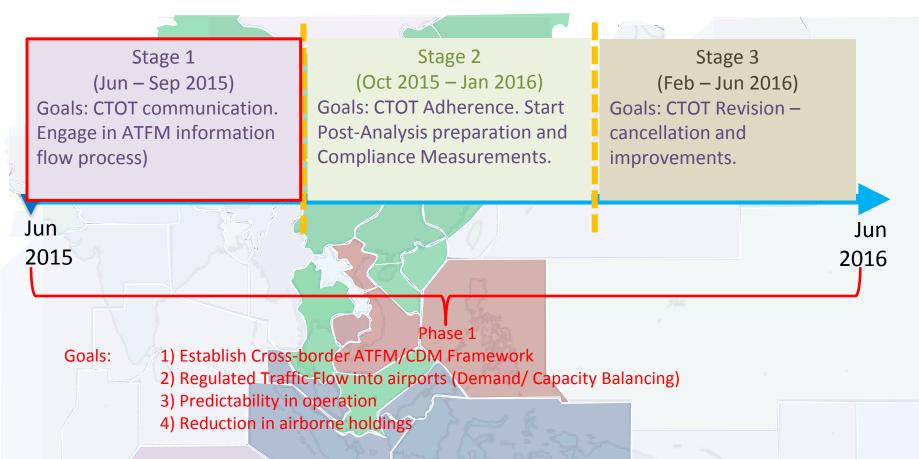
- Ground Delay Program supporting Airspace Congestion & Capacity Planning
- Explore interconnectivity among ATFM systems

Phase X Vision

- Fully interconnected Global ATFM Service
- Integration with SWIM and 4D-Trajectory Management

ATFM Operational Trial: Phase 1





Distributed Multi-Nodal ATFM Operational Trial Participation Model



ACC/ATEN

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ATFM Ops Trial Phase 1 Stage 1



Week Starting	Activity
29 Jun 2015	Test Communications and Conferencing Framework
6 Jul 2015	Familiarization with Web-Portal for CTOT Delivery
13 Jul 2015	FPL Submission (3hrs before EOBT) ICAO Message Handing
20 Jul 2015	Monitor effectiveness of demand prediction
27 Jul 2015	Mid-Trial Operational Trial Review
3 Aug 2015	Determine Airport Acceptance Rate (AAR) from inputs
10 Aug 2015	ATFM Daily Plans (ADPs)
17 Aug 2015	Use of ATFM Tool to Model CTOT; Transmit and receive CTOT
24 Aug 2015	Simulate multiple ATFM Measures
31 Aug 2015	End-of-Stage 1 Operational Trial Review
7 Sep 2015	Preparation for Stage 2
Aug 15 146 Sep 2015	Multi-Nodal ATFM Ops Trial Project Meeting (Multi-Nodal/7)

Lessons Learned ...

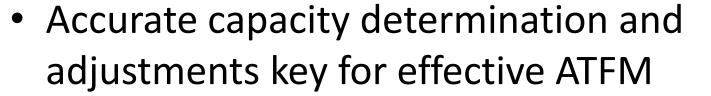
- Efficient and well-defined communications framework
- OTHER ACC/ATFM

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- Project and Ops Points of Contact
- Dissemination of Alerts and Acknowledgements
- Web Portal + E-Mail notification
- Optional CTOT delivery via AFTN / Slot Allocation Msg
- Flight Plan filing requirements
 - FPL submission 3 hours before EOBT
 - Submission of CHG/DLA message when EOBT diverge by more than 15 minutes
 - Prompt submission of CNL

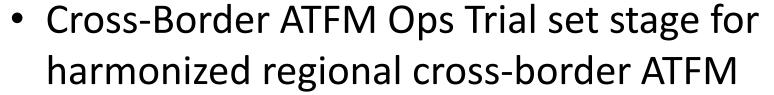
Aeronautical MET for ATFM Ops





- Accurate weather forecast and predictions are necessary
- Need for close working relationship between ATM and MET

Next Steps





- Crucial step for eventual implementation of ATFM
- States should come together to work out implementation plan for ATFM in the Asia-Pacific region in line with Seamless ATM Plan and ASBU

Actions by the Meeting

- Note information presented in the paper
- urge for continued support by all stakeholders to commit resources and collaborate to the success of the ATFM Operational Trial
- acknowledge the importance of engaging the MET community to develop tailored products to support ATFM
- consider the next step towards ATFM implementation in the region in-line with the Seamless ATM Plan and the ASBU methodology; and
- discuss any relevant matters as appropriate.

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Questions & Discussions ACC/ATFM ☆ BANGKOK HONG KONG ACC ACC VTBS ☆ ₩vннн A-CDM A-CDM CDM VIATUAL ATEM NODE airports WSSS A-CDM ☆ OTHER SINGAPORE ACC/ATFM ACC ASSESSED FRANCISCO







