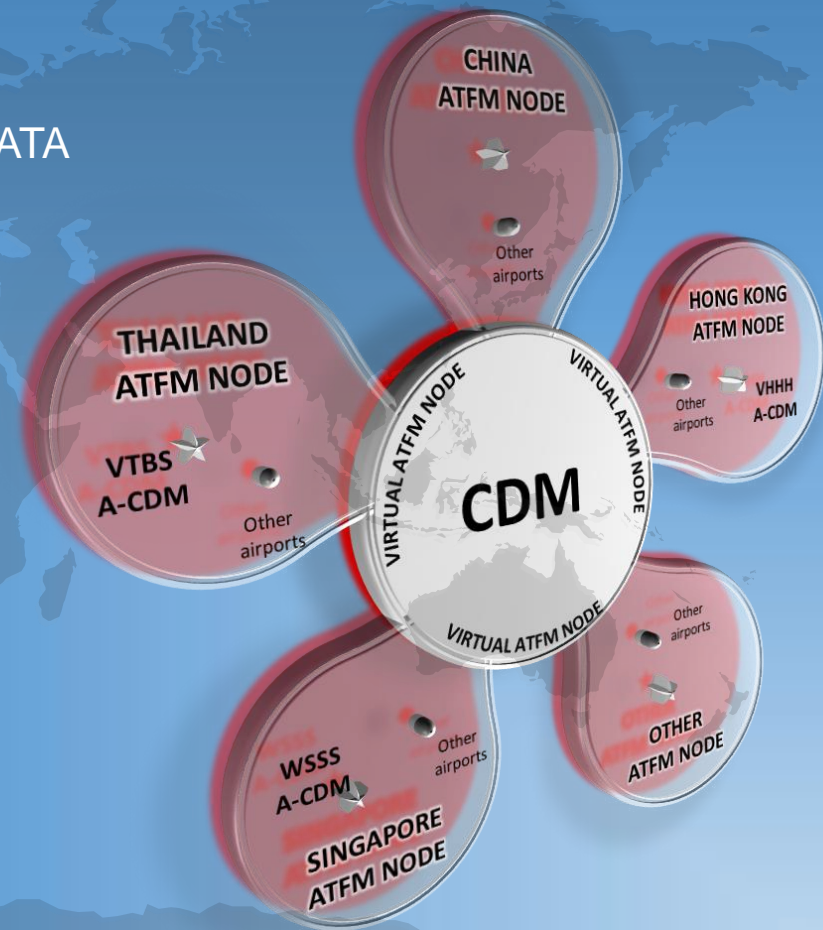


# WP15 - Way Forward to Progress with ATFM Interoperability through the ICAO ATFMIRSWG

Singapore on behalf of:

China, Hong Kong, China, Thailand, CANSO and IATA  
May 2020



# Introduction

- First Face-to-Face (F-2-F) meeting of the ATFM/IR/SWG in 2018
  - Recognised that there are more than one sub-regional cross-border ATFM groups working towards implementation of ATFM in the Asia Pacific region.
  - Emphasis on discussions on interoperability to facilitate the realization of the TOR of the ATFM/IR/SWG.
    - 4 F-2-F and 5 web based conference meetings
      - Better understanding and effort undertaking by the various groups, progress towards establishing a common understanding to move forward towards interoperability has been slow
- ATFM/IR/SWG Term of Reference (TOR) updated and endorsed by the ATFM/SG as per Decision ATFM/SG/9-1 in 2019
- Discussion on the opportunities for the way forward to progress with the task of fulfilling the TOR of the ATFM/IR/SWG



DISTRIBUTED MULTI-NODAL ATFM NETWORK



# Discussion - Content and Participation

- ATFM/IR/SWG first F-2-F meeting in 2018
  - Platform for subject matter experts to share operational challenges faced in implementation of ATFM and need for interoperability between the various efforts.
  - Subsequent 2nd and 3rd meetings progressed with development of a roadmap for Interoperability Concept of Operations (I-CONOPS)
- 4th F-2-F meeting in 2019
  - Discussions on proposal to deep dive into CONOPS and technical details with progress updates and issues related to operational areas to be discussed at other appropriate forums
  - Importance of having appropriate representation by minimally
    - 1 operations expert and 1 technical expert from each States/Administrations/Organisations
      - Effectively discuss and progress tasks listed in the TOR
- Interoperability is a crucial discussion topic and requires active interaction between members of the various ATFM groups and projects
  - Advantageous for the relevant States/Administrations/Organization to be present and appropriately represented at the meeting discussion to achieve a more expeditious decision making process



DISTRIBUTED MULTI-NODAL ATFM NETWORK



# Discussion - Momentum of the ATFM/IR/SWG

DMN ATFM	Other sub-regional ATFM groups
Pre-tactical phase of ATFM	Dynamic Updates of trajectory info
Ground Delay Program	Traffic sequencing over a waypoint
CTOT issue over SAM and distributed over AFTN/AMHS	Region's CRV

- To focus on interoperability rather than CONOPS harmonisation



# Discussion - Momentum of the ATFM/IR/SWG

- ATFM/IR/SWG Roadmap

- Phase 0

- ADP exchanges

- On progress upon agreed filename and format

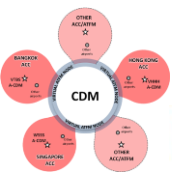
- Phase 1

- ATFM information exchange using conventional protocol with target implementation between 2019-2022

- Only 1 member within the other sub-regional ATFM group providing info on AFTN/AMHS info exchange by 2022
      - AFTN/AMHS based ICD

- Phase 2

- ATFM information exchange based on SWIM concept and technologies

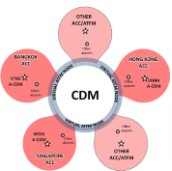


DISTRIBUTED MULTI-NODAL ATFM NETWORK



# Discussion - Momentum of the ATFM/IR/SWG

- Interoperability CONOPS
- Focused on Pre-Tactical Flow ATFM
  - Regulation of flights between the 2 sub-regional ATFM groups
  - ATS waypoint along the FIR boundary
  - Issued time to cross before flight's departure

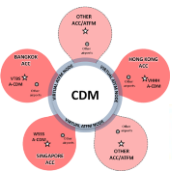


**DISTRIBUTED MULTI-NODAL ATFM NETWORK**



# Discussion – Consideration for Future Meetings

- Economic restrictions
  - Reduction of air traffic volume
    - Lessen occurrence of inter-sub-regional conflict of ATFM restrictions
  - Budget considerations
    - Human resource management
    - Hosting/travelling for F2F meetings
- Normalisation of air traffic volume
  - Push on the progress with the agenda of SWG in preparation for traffic rebound



# Action by the meeting

- The meeting is invited to:
  - note the information contained in this paper; and
  - urge Member States/Administrations/Organizations to nominate appropriate representation, and to scope discussion with the aim to further items listed on the TOR of the ATFM/IR/SWG
  - urge Member States/Administrations/Organizations to contribute to the ATFM/IR/SWG and work towards achieving the tasks in the agreed ATFM/IR/SWG Roadmap
  - seek Member States/Administrations/Organizations views on the conduct of future meetings of the ATFM/IR/SWG
  - discuss any relevant matters as appropriate.



**DISTRIBUTED MULTI-NODAL ATFM NETWORK**



# Thank you

