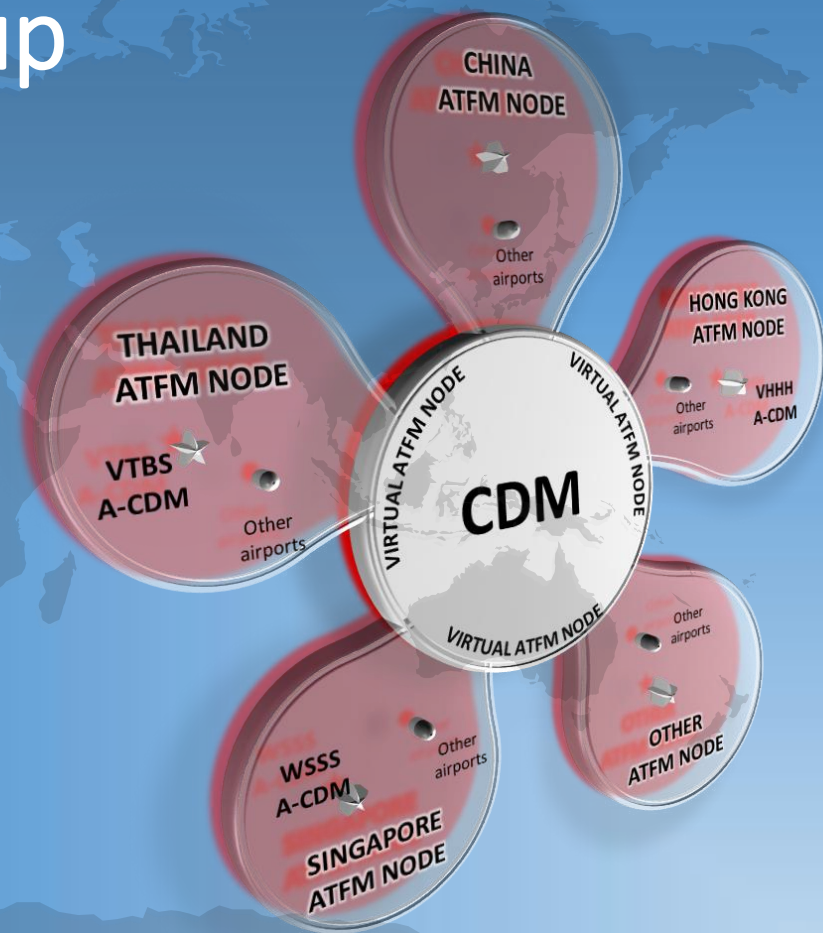


Progress of the Technical Sub-Group



ATFM/SG/10

4-8 May 2020

Recap

ATFM Data Exchange over SWIM

- Service-Oriented Architecture (SOA)
- XML-based information exchange model



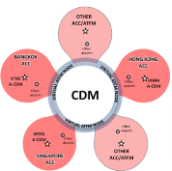
ATFM Data Exchange over AFTN/AMHS

EUROCONTROL Slot Allocation Message (SAM) and related messages



TSG

To develop an information linkage framework for efficient and harmonized ATFM systems interconnection required to support the operational requirements for cross-border multi-nodal ATFM



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ATFM Data Exchange over AFTN/AMHS

- Draft AFTN/AMHS-based ICD adopted by CNS SG/23
- Consistency with ICAO Annex 10, Volume II, 7th Edition, 2016

Table 1. Summary of IA-5 Fields

Field #	Description	Format	Example
1	Start of Message/ Start of heading	4 letters 1 character	ZCZC 0/1
2	Transmission Identification	3 letters + 3 numbers	HAR001
3	Additional Service Indication	Optional <11 characters	123456
4	Priority Indicator	2 letters	FF
5	Addressee of the message	8 letters	EGLLRZRX
6	Day / time of the message	DDHHMM (UTC)	041345
7	Originator of the message	8 letters	OPSTZQZX
8	Optional Heading Information	ODF – See AIDC	See AIDC
9	ATS Message Payload
10	End of Message	4 letters 1 character	NNNN 0/3



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ATFM Data Exchange over SWIM

Technical Specifications

System-to-system connection and
ATFM data exchange over CRV



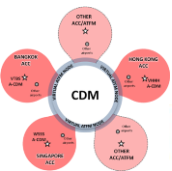
Being
developed

Business Rules

- Scope of ATFM service
- Who can do What
- Required data elements

Baseline: Demand monitoring and updating

- Who, When, and How flight information should be created and exchanged



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ATFM Data Exchange over SWIM

Asia/Pacific FIXM version 4.1 Extension

- Support ATFM information exchange
 - Cross-border ATFM
 - ATFM/A-CDM integration
- Coordination with APAC SWIM Task Force
- Adopted by APANPIRG/30
- Reviewed by FIXM CCB and published on FIXM official website
- Used to support the conduct of SWIM in ASEAN Demonstration
- Next step: System technical trial; earliest in December 2020



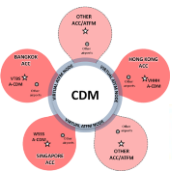
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Action by the Meeting

The meeting is invited to

- a) Note the information contained in this paper; and
- b) Discuss any relevant matters as appropriate.



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Thank You

