



Agenda Item 5: SWIM Transition

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Introduction

- Transitioning from an AMHS environment into a SWIM environment is not going to be a trivial exercise.
- AMHS currently used for distribution of the following data items
 - Flight Plans
 - NOTAMS
 - AIDC / ATS messages
- It is expected that SWIM and AMHS will co-exists for quite some time, even after 2036
 - Need to address how such an environment can work?

AMHS and SWIM

- It is expected that AMHS will continue to exist beyond 2036
 - There is no agreed SWIM format to cover AIDC / ATS messages which are still necessary for cross border coordination.
 - Therefore, AIDC / ATS messages will likely still be transmitted via AMHS
- APAC SWIM expected by 2026
 - Not all states will be connected to the APAC SWIM immediately in 2026
 - There will be some states still expecting flight plans to come from AMHS
 - How do we ensure that flight plans from eASPs reach the ASPs and vice versa?
- Singapore's intention
 - Our airlines will be asked to file FPL2012 and eFPL in AMHS and SWIM respectively
 - Singapore does not intend to convert between FPL2012 and eFPL for retransmission
 - Any conversion will be for internal use.

eFPL routing in SWIM

- AMHS routes FPL2012 messages to the intended recipients using a recipient list
- How will SWIM do this?
 - Clauses in ICAO Annex 10 forbids to examination of the message content by intermediate nodes.
 - Cannot look into message body to route message
- Options:
 - Message headers
 - Message properties
 - Topics and queues
 - Send to everyone
- Need to have an agreed common method to ensure that the eFPL reach the intended recipient.
- Type of SWIM architecture will affect the choice for routing.