APAC common SWIM information services related to FF-ICE

APAC Common SWIM Information Services

Reference: SWIM TF/9 Report, Appendix D

- A list of APAC Common SWIM Information Services, developed by ICAO APAC SWIM Task Force (SWIM TF), to support SWIM implementation within the region

  > SWIM Aeronautical Information Services → AAITF
  > SWIM Flight Information Services → FF-ICE Ad-Hoc Group
  > SWIM MET Information Services → MET SG/MET-IE WG
  > SWIM Surveillance Information Services → SURICG/SURSG

APAC Common SWIM
Flight Information Services (1/3)

Business functionality of the service	Brief description of the service	Type of information to be exchanged	Information exchange model / Message type	Message exchange pattern	Recommended service in initial APAC Common SWIM IS
GUFI service	GUFI (Globally Unique Flight Identifier) generation and Provision.	GUFI	FIXM	Req/Reply	1
ATFM/A-CDM integrated service	Allows exchanges of flight plans and A-CDM milestone parameters among different stakeholders (such as arrival/departure ATFM units, airlines and airport operators) to connect A-CDM process to ATFM operations.	CTOT, CTO, TTOT, TSAT, etc.	FIXM	Pub/Sub	1
FF-ICE filing service	Provides a means to submit, update or cancel flight plans through a SWIM-based interface using FIXM.	Flight plan for registration, update or cancellation	FIXM	Req/Reply, **Pub/Sub**	1

Notes. – Recommended services in initial APAC Common SWIM Information Service (IS) ((1)/(2)/(3)):
(1) Recommended for region-wide implementation for region-wide benefits
(2) Recommended for implementation as much as practicable
(3) Additional information services without common regional requirements and not included as a part of common regional information services

APAC Common SWIM
Flight Information Services (2/3)

Business functionality of the service	Brief description of the service	Type of information to be exchanged	Information exchange model / Message type	Message exchange pattern	Recommended service in initial APAC Common SWIM IS
FF-ICE ~~data~~ publication service	Provides harmonised sharing of flight ~~plan~~ information in a global standard supporting common situation awareness.	Flight ~~plan~~ **information** for publication	FIXM	Pub/Sub	2
FF-ICE trial service	Allows operators to test the effect of a potential change in a flight plan prior to committing to the change.	Proposed changes in a flight plan	FIXM	Req/Reply	2
FF-ICE flight data request service	Allows an operator to request the current status of a flight plan, or an ANSP can request an operator to submit the latest version of their flight plan.	Current status of a flight plan**, a copy of flight plan or supplementary plan**	FIXM	Req/Reply	1
FF-ICE notification service	Provides notification of a change in flight state, such as Departure (DEP) and Arrival (ARR) Air Traffic Service (ATS) messages.	ARR, DEP messages	FIXM	Pub/Sub, **Req/Reply**	1

Notes. – Recommended services in initial APAC Common SWIM Information Service (IS) ((1)/(2)/(3)):
(1) Recommended for region-wide implementation for region-wide benefits
(2) Recommended for implementation as much as practicable
(3) Additional information services without common regional requirements and not included as a part of common regional information services

APAC Common SWIM
Flight Information Services (3/3)

Business functionality of the service	Brief description of the service	Type of information to be exchanged	Information exchange model / Message type	Message exchange pattern	Recommended service in initial APAC Common SWIM IS
FF-ICE planning service	Allows operators to submit **preliminary** flight plans for early Air Traffic Flow Management (ATFM) planning and to obtain feedback regarding restrictions/constraints affecting the flight.	**Preliminary** flight plan for early ATFM planning	FIXM	Req/Reply, **Pub/Sub**	2
Traffic flow status service	Provides users with notification of any traffic flow management measures which are in affect and how they may affect their aircraft.	Demand and constraints, Miles-in-Trail (MIT), Minutes-in-Trail (MINIT), ATFM daily plan, Ground Delay Program (GDP)	TBD	Pub/Sub	2

Notes. – Recommended services in initial APAC Common SWIM Information Service (IS) ((1)/(2)/(3)):
(1) Recommended for region-wide implementation for region-wide benefits
(2) Recommended for implementation as much as practicable
(3) Additional information services without common regional requirements and not included as a part of common regional information services

APAC Common SWIM
Flight Information Services

Please review and provide feedback within 28 March 2025 to
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