



## ASBU ELEMENTS

FICE-B2/2

- Functional Description
- Enablers
- Deployment Applicability
- Performance Impact Assessment

### FICE

FICE-B2/2	Filing Service	Information
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Main Purpose <a href="#">?</a>	To enhance ATS flight plan processing including constraints evaluation and enhanced flight information sharing.
New Capabilities <a href="#">?</a>	<p>Ability to accept Filed Flight Plans provided by the aircraft operator in FIXM format and to take advantage of the more advanced content permitted in them, for example:</p> <ul style="list-style-type: none"> <li>Climb and descent performance data to allow more accurate and consistent calculation of 4D Trajectories by the service provider.</li> <li>Operator-calculated 4D-Trajectory to allow understanding by the service provider of the operator expectations.</li> </ul>
Description <a href="#">?</a>	FF-ICE will permit submission of a filed flight plan using FIXM in lieu of the teletype-format FPL used today. FF-ICE also provides feedback to the operator regarding whether the flight plan was successfully processed, the flight plan status and where necessary any constraints with which the flight plan does not comply.
Maturity Level <a href="#">?</a>	Validation
Human Factor Considerations	<ol style="list-style-type: none"> <li>Does it imply a change in task by a user or affected others? Yes</li> <li>Does it imply processing of new information by the user? Yes It is a new method and people have to learn the new method.</li> <li>Does it imply the use of new equipment? No</li> <li>Does it imply a change to levels of automation? Yes</li> </ol>

#### PLANNING LAYERS [?](#)

- Pre-tactical
- Tactical-Pre ops

#### OPERATIONS [?](#)

#### DEPENDENCIES AND RELATIONS [?](#)

Type of Dependencies	ASBU Element
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Relation-operational need	SWIM-B2/1 - Information service provision
Relation-operational need	SWIM-B2/2 - Information service consumption
Relation-operational need	SWIM-B2/3 - SWIM registry
Relation-operational need	FICE-B2/1 - Planning Service
Relation-benefit	AMET-B2/1 - Meteorological observations information
Relation-information need	AMET-B2/2 - Meteorological forecast and warning information
Relation-benefit	AMET-B2/4 - Meteorological information service in SWIM
Relation-information benefit	DAIM-B1/1 - Provision of quality-assured aeronautical data and information
Relation-information need	DAIM-B1/2 - Provision of digital Aeronautical Information Publication (AIP) data sets
Relation-information need	DAIM-B1/3 - Provision of digital terrain data sets
Relation-information need	DAIM-B1/4 - Provision of digital obstacle data sets
Relation-information need	DAIM-B1/5 - Provision of digital aerodrome mapping data sets
Relation-information need	DAIM-B1/6 - Provision of digital instrument flight procedure data sets
Relation-information need	DAIM-B1/7 - NOTAM improvements
Relation-information need	DAIM-B2/1 - Dissemination of aeronautical information in a SWIM environment
Relation-information need	DAIM-B2/2 - Daily Airspace Management information to support flight and flow
Relation-information need	DAIM-B2/5 - NOTAM replacement

## ENABLERS

Enabler Category	Enabler Type	Enabler Name	Description / References	Stakeholders	Year
Information exchange model	Flight and flow information	Flight Information Exchange Model (FIXM) Version 4.2.0	References: PANS-ATM ICAO Doc 4444 - Procedures for Air Navigation Services and ICAO Doc 9965- FF-ICE Manual 2nd Edition.	ANSP ATM network function	2019
Ground system infrastructure	Flight and Flow information	Capability to process FFICE data exchange	Upgrade the ground system to process FF-ICE data exchange using FIXM and including assignment/recognition of GUF1. References: PANS-ATM ICAO Doc 4444 - Procedures for Air Navigation Services and ICAO Doc 9965- FF-ICE Manual 2nd Edition.	ANSP Airspace user	2024

Ground system infrastructure	Flight and Flow information	Capability to obtain and use necessary information for FF-ICE Services	Upgrade the ground system to use AMET and DAIM information obtained via SWIM services to determine constraints applicable to a flight. References: PANS-ATM ICAO Doc 4444 - Procedures for Air Navigation Services and ICAO Doc 9965 - FF-ICE Manual 2nd Edition.	ANSP	2024
Regulatory provisions	SMS	Apply SMS	Apply Safety Management System in accordance with the national requirements and guidance.	ANSP	2013
Operational procedures	Flight and flow information	Procedures for provision and use of FF-ICE Filing Service	Procedures for FF-ICE flight data exchange, filed flight plan, flight plan update, flight plan re-evaluation, flight plan cancellation and flight data request/Reference: PANS-ATM (Doc 4444) and FF-ICE Manual (Doc 9965, 2nd Edition).	ANSP Airspace user	2022
Training	Flight and Flow information	Training requirements for the filing service	Flight data staff, Dispatch, ATCOs, Flight Crew, AIS staff, ATM/ASM staff	ANSP Airspace user	2018
Ground system infrastructure	Flight and Flow information	Capability to provide and use FF-ICE Filing Service	Upgrade to the ground system to provide and use FF-ICE Filing Service (e.g. send and process FF-ICE filed flight plans and constraints). Reference: PANS-ATM (Doc 4444) and FF-ICE Manual (Doc 9965, 2nd Edition).	ANSP Airspace user	2024
Regulatory provisions	National regulatory framework	National regulatory framework amendment for the provision and use of FF-ICE Filing Service	If applicable, CAA may need to amend the national regulatory provisions to allow the provision and use of FF-ICE Filing Service/Reference: PANS-ATM (Doc 4444) and FF-ICE Manual (Doc 9965, 2nd Edition).	CAA	2022