



ASBU ELEMENTS

FICE-B3/1

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

FICE

FICE-B3/1 Flight information management services for enhanced trajectory operations Information

- Main Purpose** [?](#) To provide automatic exchanges of up-to-date flight trajectories tailored to the individual flight operation in support of post-departure coordination and trajectory sharing.
- New Capabilities** [?](#)
- Mechanisms are in place to support exchange and synchronization of individual trajectory intent/projections (FDP/FMS/DST) for use across planning and tactical operations
 - Enhancement of automated coordination between ATS facilities supporting seamless delivery of Agreed trajectory
 - Support for flight-specific, dynamic constraint and separation application considering operator constraints, preferences and capabilities
- Description** [?](#) Mechanisms are in place to support exchange of intent allowing for advanced applications which can synchronize and share a common trajectory intent agreed to facilitate TBO in execution. The use of synchronized trajectories by automation and for ATC Coordination support a wider range of operational techniques within and across ANSP boundaries. Constraints are applied only where and when necessary and tailored to flight-specific capabilities.
- Maturity Level** [?](#) Concept
- Human Factor Considerations**
1. Does it imply a change in task by a user or affected others? Yes
 2. Does it imply processing of new information by the user? Yes
 3. Does it imply the use of new equipment? Yes
 4. Does it imply a change to levels of automation? Yes

PLANNING LAYERS [?](#)

Tactical-During ops

OPERATIONS [?](#)

Departure En-route Arrival

DEPENDENCIES AND RELATIONS [?](#)

Type of Dependencies	ASBU Element
----------------------	--------------

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	SWIM-B2/5 - Global SWIM processes
Relation-operational need	SWIM-B3/1 - Air/Ground SWIM for safety critical information
Relation-benefit	AMET-B3/1 - Meteorological observations information
Relation-benefit	AMET-B3/2 - Meteorological forecast and warning information
Relation-benefit	AMET-B3/4 - Meteorological information service in SWIM
Relation-information need	FICE-B2/7 - Flight information management service for higher airspace operations
Relation-information need	FICE-B2/9 - Flight information management support for inflight re-planning
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
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 enhanced automated coordination	Procedures for enhanced automated coordination between ATS units. References: TBD	ANSP	2031
Airborne system capability	Flight and Flow information	Provision of aircraft-derived information	Update of the ground systems to allow the provision of aircraft-derived information supporting trajectory synchronization. References: TBD	Airspace user	2031
Ground system infrastructure	Flight and Flow information	Trajectory synchronization	Update of the ground system to allow trajectory synchronisation across ground automation and using aircraft-derived information, including both the sharing and use of trajectory information. References: TBD	ANSP	2031

Ground system infrastructure	Flight and Flow information	ATCO awareness and flight-specific application	Update of the ground systems for enhanced HMI supporting ATCO awareness and flight-specific constraint application. References: TBD	ANSP	2031
Ground system infrastructure	Flight and Flow information	Trajectory-based automated coordination between ATS facilities.	Update of the ground system to allow trajectory-based automated coordination between ATS units. References: TBD	ANSP	2031
Training	Flight and Flow information	Training requirements for enhanced trajectory operations.	Training for flight data staff, ATCOs, flight crew and ATM/ASM staff regarding enhanced trajectory operations.	ANSP Airspace user	2031