

CP1		Active							EU	
INF10.21		Flight Information Exchange (Yellow Profile) - Data Publication Service								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

Flight Information Exchange addresses the implementation of the FF-ICE/R1 services over SWIM that are required to exchange pre-departure flight information. Service implementations shall be compliant with the applicable version of the FIXM standard. Flight information exchanges are performed in conformance with the EUROCONTROL SWIM specifications.

It is important to highlight that there will be a transition period (expected to be quite long) with mixed modes of operations. Given the global reach of the concerned stakeholder groups (mainly in relation to AUs) and the lack of implementation mandates on some of them (stakeholders for which the transition is voluntary, business-case dependant), there will be a combination of FF-ICE capable and FF-ICE-non-capable stakeholders. During the transition period, stakeholders implementing FF-ICE/R1 may need to continue to support the current ICAO FPL 2012 format via the traditional communication means.

Adoption of FF-ICE/R1 organizational provisions by concerned stakeholders is prerequisite for actual deployment and use of FF-ICE/R1 services over SWIM.

Publication service allows the Network Manager to publish and distribute eFPLs to the concerned FF-ICE-enabled stakeholders.

NOTE: For a full description of the services as well as of the associated system requirements, see the Family 5, in the SESAR Deployment Programme edition 2022, Approved by the European Commission.

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Applicability Area(s) & Timescale(s)

Applicability Area 1	All EU SES States		
Applicability Area 2	United Kingdom		
Timescales:	From:	By:	Applicable to:
Initial Operational Capability	01/01/2021		Applicability Area 1 + Applicability Area 2
Full Operational Capability / Target Date		31/12/2025	Applicability Area 1 + Applicability Area 2

References

European ATM Master Plan

OI step -	[AUO-0207]-Preliminary flight planning									
Enablers -	AOC-ATM-25	NIMS-57	SWIM-APS-19	SWIM-APS-20	SWIM-APS-21	SWIM-APS-22				

Legend:	WXYZ-001	Covered by SLoA(s) in this objective	WXYZ-002 zzz	Covered by SLoA(s) in another objective Objective covering the enabler	WXYZ-003	Not covered in the Implementation Plan
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Applicable legislation

Regulation (EU) 2021/116 on the establishment of the Common Project One

Essential Operational Changes

ATM Interconnected Network

SESAR Solution

#46 - SWIM Yellow Profile

ICAO GANP - ASBUs

FICE-B2/6 Publication Service

Deployment Programme

5.6.1 Flight Information Exchange

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European Plan for Aviation Safety

- none -	
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Operating Environments

Airport
En-Route
Network
Terminal Airspace

Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	By
INF10.21-ASP01	Consume the NM FF-ICE/R1 Data Publication Service	01/01/2021	31/12/2025
INF10.21-ASP02	Operational use	01/01/2021	31/12/2025
INF10.21-NM01	Develop FF-ICE/R1 Data Publication Service	01/01/2021	31/12/2025
INF10.21-NM02	Provide the FF-ICE/R1 Data Publication Service	01/01/2021	31/12/2025

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip_objectives

Expected Performance Benefits

Safety:	-
Capacity:	-
Operational Efficiency:	-
Cost Efficiency:	-
Environment:	-
Security:	-

Detailed SLoA Descriptions

INF10.21-ASP01	Consume the NM FF-ICE/R1 Data Publication Service	From: 01/01/2021	By: Applicability Area 1: 31/12/2025
Action by:	ANS Providers		
Description & purpose:	The ANSP systems are upgraded to be capable of receiving and processing eFPLs distributed by the NM FF-ICE/R1 Publication Service, in addition to ICAO 2012 FPLs. This milestone supports the Family 4.3.1 ANSP DM3.		
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme		
Finalisation criteria:	1 - The ANSP systems are able to consume and process the eFPL information provided by NM FF-ICE/R1 Publication Service.		
INF10.21-ASP02	Operational use	From: 01/01/2021	By: Applicability Area 1: 31/12/2025
Action by:	ANS Providers		
Description & purpose:	The system is used to support daily operations once the systems have been implemented, the procedures are in place, capability assessment has been delivered, and the training has been completed.		
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme		
Finalisation criteria:	1 - The ANSP systems are able to use the eFPL information provided by NM FF-ICE/R1 Publication Service in daily operations.		
INF10.21-NM01	Develop FF-ICE/R1 Data Publication Service	From: 01/01/2021	By: Applicability Area 1: 31/12/2025
Action by:	NM		

INF10.21	Flight Information Exchange (Yellow Profile) - Data Publication Service
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Description & purpose:	The NM system is upgraded to support the FF-ICE/R1 Publication Service for the distribution and publication of eFPLs to the concerned stakeholders; this service is part of the NM B2B Publish/Subscribe Services.		
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme		
Finalisation criteria:	1 - The FF-ICE/R1 Publication Service is technically available.		
INF10.21-NM02	Provide the FF-ICE/R1 Data Publication Service	From: Applicability Area 1: 01/01/2021	By: Applicability Area 1: 31/12/2025
Action by:	NM		
Description & purpose:	<ul style="list-style-type: none"> • Validations and live trials • SWIM compliance activities • Deployment in operations 		
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme		
Finalisation criteria:	1 - The FF-ICE/R1 Publication Service is SWIM compliant and available in the SWIM Registry as an operational SWIM compliant service.		

