CP1	Active		ECAC+
INF10.8	**Aeronautical Information Exchange - Aeronautical Information Features service**		

REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

SWIM comprises standards, infrastructure and governance enabling the management of information and its exchange between operational stakeholders via interoperable services.

This implementation objective is addressing the Aeronautical information feature Service which provides on-request aeronautical information features as a data service. It allows to query and retrieve aeronautical data based on optional filters that may include feature type, feature name and spatial, temporal and logical operators.

Airspace users are not mandated by CP1 in AF5 but are recommended to implement an interface that consumes the information provided by the service and to use the information in daily operations.

System Requirements

This service supports consumption of published AIP and AIP SUP data.
The aeronautical information feature exchange shall be implemented by:
• AISPs that are the primary provider of the service
• Airports when aerodrome information is provided by an Airport
• ANSPs that are the primary consumers of the service and the information it provides

The provider of the aeronautical information feature service ensures systems implementing the service:
• Shall allow the retrieval of aeronautical information features.
• Shall enable filtering by feature type and name.
• Shall allow advanced filtering based on spatial, temporal and logical operators.
• Shall provide the output expressed in the applicable version of AIXM.

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	Georgia, Morocco, 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 -	[IS-0205]-Digital Integrated Briefing for pre-flight phase							
	Enablers -	AIMS-06	AIMS-07a	AIMS-19a	METEO-04b	METEO-05b	REG-0301	SWIM-APS-01a	SWIM-APS-02a
		SWIM-INFR-05a	SWIM-NET-01a	SWIM-STD-01					
OI step -	[IS-0901-A]-SWIM-TI Yellow Profile for Ground/Ground (G/G) information sharing							
	Enablers -	REG-0519	SWIM-GOV-05a	SWIM-INFR-05a	SWIM-NET-01a	SWIM-SUPT-01a	SWIM-SUPT-03a		

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

Applicable legislation

INF10.8	Aeronautical Information Exchange - Aeronautical Information Features service

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

Essential Operational Changes

ATM Interconnected Network

SESAR Solution

#34 - Digital Integrated Briefing, #46 - SWIM Yellow Profile

ICAO GANP - ASBUs

- none -

Deployment Programme

5.3.1	Aeronautical Information Exchange

European Plan for Aviation Safety

- none -

Operating Environments

Airport
En-Route
Terminal Airspace

Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	By
INF10.8-ASP01	Consume Aeronautical Information Feature service	01/01/2021	31/12/2025
INF10.8-ASP02	Operational use	01/01/2021	31/12/2025
INF10.8-AIS01	Provide aeronautical information features 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

INF10.8-ASP01	**Consume Aeronautical Information Feature service**	From: **Applicability Area 1:** 01/01/2021	By: **Applicability Area 1:** 31/12/2025
Action by:	**ANS Providers**		
Description & purpose:			
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 system consumes the Aeronautical Information Feature Service		
INF10.8-ASP02	**Operational use**	From: **Applicability Area 1:** 01/01/2021	By: **Applicability Area 1:** 31/12/2025
Action by:	**ANS Providers**		
Description & purpose:	Integrate the information obtained via the service into an application that makes use of it.		

INF10.8	Aeronautical Information Exchange - Aeronautical Information Features service

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 Operational system uses the Aeronautical Information Feature Service.

INF10.8-AIS01	Provide aeronautical information features service	From: Applicability Area 1: 01/01/2021	By: Applicability Area 1: 31/12/2025
Action by:	AIS Providers		
Description & purpose:	The AISP implements a SWIM Service that enables the provision of aeronautical information features to other stakeholders.		
	Note :This SLoA needs to be synchronised between civil and military ANSPs, AISPs and AOs.		
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 Aeronautical Information Feature Service is SWIM compliant and available in the SWIM Registry as a SWIM compliant service.		