CP1	Active									ECAC+
INF10.7	**Aeronautical Information Exchange - Aerodrome mapping 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 Aerodrome Mapping Service which provides on-request airport layout features and maps as a data service. The service aims to deliver Aerodrome digital maps to operational stakeholders. The service supports information filtering with spatial, temporal and logical operators. Digital Aerodrome Map can be used to present actual/real-time information about closure of runway, taxiway, work in progress on aerodrome movement area, temporary erected obstacles.

Airspace users are not mandated to implement this, but it is recommended that Airspace Users system consume and use the information provided by the Airport Mapping Information Service provided by AISP in daily operations.

System requirements

The Aerodrome Mapping information exchange shall be implemented by:
• Airports that are the primary data provider supporting the Aerodrome mapping service. AISPs are the primary provider of the service

• AUs that are the recommended primary consumers of the service and the information it provides

The provider of the Aerodrome Mapping Service ensures that systems implementing the service:
• May allow selecting aerodrome features and maps as GIS layers.
• May allow information filtering with spatial, temporal and logical operators.
• May output data in formats based on Open Geospatial Consortium standards (e.g. simple GML features, SHAPE files, GeoJSON)
• May be based on the AMXM to facilitate GIS integration. Using AMXM will satisfy the related EUROCAE WG-44 Industry standards in terms of data formatting, as referenced in the SDP Supporting Material.

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	Moldova, Montenegro, Morocco, Serbia, 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

INF10.7	Aeronautical Information Exchange - Aerodrome mapping 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

Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	By
INF10.7-AIS01	Provide aerodrome Mapping information 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

INF10.7-AIS01	**Provide aerodrome Mapping information 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 Aerodrome Mapping information to other stakeholders.		
	Note :Airport operators providing aeronautical information services qualify as AISP and are covered by the SLoA. 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 Aerodrome Mapping Information Service is SWIM compliant and available in the SWIM Registry as an operational SWIM compliant service		