CP1	Active		EU
INF10.16	**Cooperative Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)**		

REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

The Cooperative Network Information will be exchanged between the systems of the operational stakeholders and the Network Manager by means of cooperative network information SWIM services, using the Yellow SWIM TI Profile, for Air Traffic Flow and Capacity Management (ATFCM) purposes.

Operational stakeholders use the NM B2B Services, which support the exchange of the following cooperative network information:

• Short term ATFCM measures (STAM)
This information exchange is supported by the following three NM B2B Services:
o The Measure Collaborative Decision Making (MCDM) Service, which supports the collaborative decision making for the implementation of a measure or individual flight actions
o The eHelpdesk Service, for requesting NMOC to apply actions to individual flights
o The Measures Service, which allows making proposals of cherry-pick regulations in support of STAM.

System requirements:

The Network Manager shall support all operational stakeholders in exchanging data electronically for cooperative network management activities, by providing the necessary SWIM services.

The access to NOP via the NM HMIs is covered by Objectives FCM11.1 and FCM11.2. This objective covers only the information exchanges between the stakeholders' local systems and the NM system. The Network Manager system and operational stakeholder systems shall be upgraded to support the exchange of information in compliance with the EUROCONTROL SWIM Specifications, either through the Public Internet and/or NewPENS. The choice of communication service depends on a business criticality assessment from where minimum performance requirements are identified.

ANSP systems shall be upgraded to use the NM B2B Services in order to:
• Collaborate on the definition and application of STAM
AU systems shall be upgraded to use the NM B2B Services in order to:
• Collaborate on the application of STAM, when relevant

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 -	[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

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

INF10.16	Cooperative Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)

Essential Operational Changes

ATM Interconnected Network

SESAR Solution

#46 - SWIM Yellow Profile

ICAO GANP - ASBUs

- none -	

Deployment Programme

5.5.1	Cooperative Network Information Exchange

European Plan for Aviation Safety

- none -	

Operating Environments

Airport
En-Route
Network
Terminal Airspace

Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	By
INF10.16-ASP01	Collaborate on the definition and application of STAM	01/01/2021	31/12/2025
INF10.16-ASP02	Operational use	01/01/2021	31/12/2025
INF10.16-USE01	Collaborate on the application of STAM	01/01/2021	31/12/2025
INF10.16-USE02	Operational use	01/01/2021	31/12/2025
INF10.16-NM01	Upgrade NM systems for SWIM compliance	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

INF10.16-ASP01	**Collaborate on the definition and application of STAM**	From: **Applicability Area 1:** 01/01/2021	By: **Applicability Area 1:** 31/12/2025
Action by:	**ANS Providers**		
Description & purpose:	The ANSP system is upgraded to use the NM B2B Services (as a consumer) in order to collaborate with NM on the definition and application of STAM measures. This SLoA supports the SLoA FCM04.2-ASP02 (Upgrade and use the local systems).		
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 system provides the STAM measures to NM via the NM B2B Services.		
INF10.16-ASP02	**Operational use**	From:	By:

INF10.16	Cooperative Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)

		Applicability Area 1: 01/01/2021	**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, the 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 - Information Exchanges are used for daily operations.		

		From:	By:
INF10.16-USE01	**Collaborate on the application of STAM**	**Applicability Area 1:** 01/01/2021	**Applicability Area 1:** 31/12/2025
Action by:	Airspace Users		
Description & purpose:	The AU system is upgraded to use the NM B2B Services in order to collaborate with NM on the application of STAM measures. There is a link with STAM in objective FCM04.2.		
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 AU system consumes the NM B2B Services to participate in the CDM for STAM measures on its flights.		

		From:	By:
INF10.16-USE02	**Operational use**	**Applicability Area 1:** 01/01/2021	**Applicability Area 1:** 31/12/2025
Action by:	Airspace Users		
Description & purpose:	The system is used to support daily operations once the systems have been implemented, the procedures are in place, the 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 - Information Exchanges are used for daily operations.		

		From:	By:
INF10.16-NM01	**Upgrade NM systems for SWIM compliance**	**Applicability Area 1:** 01/01/2021	**Applicability Area 1:** 31/12/2025
Action by:	NM		
Description & purpose:	The NM system is upgraded in order to make the NM B2B Services SWIM compliant. This SLoA supports the SLoA FCM04.2-NM02 (Provide interface between NM and local tool).		
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 NM B2B Services are SWIM compliant and available in the SWIM Registry as an operational SWIM compliant service.		