CP1	Active									EU
INF10.17	**Cooperative Network Information Exchange – Counts service (ATFCM Congestion Points)**									
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:

• ATFCM congestion points
 This information exchange is currently supported by the Counts Service, which provides data supporting the assessment of the ATFCM congestions and hotspot detection.

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.

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
Full Operational Capability / Target Date		31/12/2025	Applicability Area 1

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

Essential Operational Changes

ATM Interconnected Network

SESAR Solution

#46 - SWIM Yellow Profile

INF10.17	Cooperative Network Information Exchange – Counts service (ATFCM Congestion Points)

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
INF10.17-ASP01	Consume Counts service	01/01/2021	31/12/2025
INF10.17-ASP02	Operational use	01/01/2021	31/12/2025
INF10.17-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

INF10.17-ASP01	**Consume Counts service**	From:	By:
		Applicability Area 1: 01/01/2021	**Applicability Area 1:** 31/12/2025

Action by:	**ANS Providers**
Description & purpose:	ANSP system is upgraded to compute the ATFCM congestion points based on the information received via the NM B2B Counts 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 ANSP system consumes the counts service to detect the ATFCM congestion points via the NM B2B Services

INF10.17-ASP02	**Operational use**	From:	By:
		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 used for daily operations.

INF10.17-NM01	**Upgrade NM systems for SWIM compliance**	From:	By:

INF10.17	Cooperative Network Information Exchange – Counts service (ATFCM Congestion Points)		

		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 FCM10-NM02 (Develop Network Manager B2B 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 NM B2B Services are SWIM compliant and available in the SWIM Registry as an operational SWIM compliant service.		