OBJ

INF10.15 — Cooperative Network Information Exchange – Measures Service (Traffic Regulation)

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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:

• Traffic regulations
This information exchange is supported by the Measures Service, which allows to manage regulation proposals and to publish ATFCM measures updates.

• Short term ATFCM measures (STAM)
This information exchange is supported by 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:
• Propose regulations to NM;
• 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.

Edition	2022
Stakeholders	Air Navigation Service Provider / Airspace Users / Network Manager
Type	CP1
Scope	EU
Status	Active

Context

Related Elements

OBJ
INF10.15

OI
IS-0901-A

Applicability Area(s) and Timescales

Applicability Area 1: All EU SES States
(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

Links to ATM Master Plan Level 2

OI Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
IS-0901-A	SWIM for sharing G/G data, traffic flow management information and aeronautical information	31-12-2023	31-12-2029	SOL OI EN OBJ DS PCP ICAO

SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

PCP Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO Block Modules: No associated data

References

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

Applicable ICAO Annexes and other references
None

Deployment Programme 2022
Family 5.5.1 - Cooperative Network Information Exchange

Operating Environments
-

Source: European ATM Portal - **Report produced:** 28-04-2024 - **Date refresh:** 28-09-2023
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

Page 2 of 3

Expected Performance Benefits

Safety	-
Capacity	-
Operational efficiency	-
Cost efficiency	-
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Provide traffic regulation proposals to NM	01-01-2021	31-12-2025	
ASP02	Operational use	01-01-2021	31-12-2025	
USE01	Consume NM measures updates	01-01-2021	31-12-2025	
USE02	Operational use	01-01-2021	31-12-2025	
NM01	Upgrade NM systems for SWIM compliance	01-01-2021	31-12-2025	

Supporting Material

Title	Related SLoAs
SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 https://www.sesardeploymentmanager.eu/publications/deployment-programme	ASP01, ASP02, NM01, USE01, USE02

Consultation & Approval

Working Arrangement in charge	-
Outline description approved in	-
Latest objective review at expert level	-
Commitment Decision Body	-
Objective approved/endorsed in	-
Latest change to objective approved/endorsed in	-

Source: European ATM Portal - **Report produced:** 28-04-2024 - **Date refresh:** 28-09-2023
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

Page 3 of 3