OBJ

INF10.14 — Cooperative Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)

📄 Download Progress Report

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:

• Slots
This information exchange is supported by the Flight Management Service, which publishes flight information, including the ATFCM slots for flights subject to regulations.

• Synchronisation of network operations plan (NOP) and all airport operations plans (AOP)
This information exchange is supported by the Flight Management Service, which publishes flight information (Flight update messages) and allows the provision to NM of the Predicted Departure Planning Information (P-DPI) and Arrival Planning Information. This service also supports the provision of the Departure Planning Information (DPI).

Airspace Users are not mandated to but recommended to upgrade Airspace Users systems to use the NM B2B Services in order to consume the flight updates on own flights.

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:
• Consume the flight update information (FUM)
• If applicable, provide the Predicted and the normal Departure Planning Information (DPI) to NM
• If applicable, provide the Arrival Planning Information to NM

Airport systems shall be upgraded to use the NM B2B Services in order to:
• Consume the flight update information (FUM)
• Provide the Predicted and normal Departure Planning Information (DPI) to NM
• Provide the Arrival Planning Information to NM

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 / Airport Operator / Airspace Users / Network Manager
Type	CP1
Scope	EU
Status	Active

Source: European ATM Portal - **Report produced:** 20-04-2024 - **Date refresh:** 28-09-2023
Page 1 of 4
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

Context

Related Elements

OBJ
INF10.14

OI
IS-0901-A

Applicability Area(s) and Timescales

Applicability Area 1:	All EU SES States
	(All EU SES States)
Applicability Area 2:	Israel

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 ICAO Block Modules: No associated data

Source: European ATM Portal - **Report produced:** 20-04-2024 - **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 4

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
-

Expected Performance Benefits

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

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Consume NM flight update information	01-01-2021	31-12-2025	
ASP02	Operational use	01-01-2021	31-12-2025	
APO01	Provide the Predicted Departure Planning Information to NM	01-01-2021	31-12-2025	
APO02	Provide the Arrival Planning Information to NM	01-01-2021	31-12-2025	
APO03	Consume NM flight update information	01-01-2021	31-12-2025	
APO04	Operational use	01-01-2021	31-12-2025	
USE01	Consume NM flight update information	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	APO01, APO02, APO03, APO04, ASP01, ASP02, NM01, USE01

Source: European ATM Portal - **Report produced:** 20-04-2024 - **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 4

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	-