FCM11.1 — Initial AOP/NOP Information Sharing

OBJ

The AOP is a single, common and collaboratively agreed rolling plan available to all airport stakeholders whose purpose is to provide common situational awareness and to form the basis upon which stakeholder decisions relating to process optimization can be made. The AOP can be implemented in two steps: Initial AOP (iAOP) and Extended AOP, as described in objectives AOP11.1 and AOP11.2.

The collaborative NOP is the continuous data exchanges between the Network Manager and operational stakeholder systems in order to cover the entire flight trajectory lifecycle and to reflect priorities as required.

In order to improve the European ATM network performance, notably capacity and flight efficiency through exchange, modification and management of trajectory information there is a clear need for information sharing between the AOP and the NOP. The initial AOP/NOP integration is the technical data layer for the collaborative NOP information sharing.

The integration of AOP and NOP provides a rolling picture of the network and airport situation used by stakeholders to prepare and update their plans and their inputs to the network CDM processes, with a focus on the availability of shared operational planning and real-time data.

The iAOP/NOP integration focuses on exchanging between Airports/Airports Operational stakeholders' systems and NM systems the Arrival Planning Information (API) and Departure Planning Information (DPI) messages; those messages are an add-on to DPI messages currently provided by CDM Airports. The procedures to generate those messages and their detailed contents have to be defined in collaboration between the NM and the implementing stakeholders. NM has an implementation work plan with Airports in CEF projects for deployment of the Family.

Stakeholders also impacted are all the other involved airports stakeholders such as but not limited to:

• Aircraft operators
• Ground handlers
• De-icing handlers
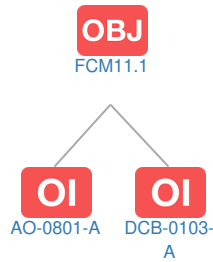• ANSPs
• MET services providers

System requirements:

• Network Manager systems shall handle arrival planning information and departure planning information from the iAOP via NM B2B services;
• In Airports, iAOP shall provide arrival and departure planning information to the NOP via NM B2B services. DPI messages might still be provided in ADEXP format until 2025, while P-DPI and API interfaces are available only via NM B2B services.
• Operational stakeholders' ground systems shall be adapted to directly interface with Network Manager systems via NM B2B services.
• Arrival and departure planning information for iAOP/NOP integration consists of the following mandatory messages:
o P-DPI;
o DPI used in CDM process;
o General-API;
o The other API messages (e.g. TTO, TTA) are considered for optional deployment in the iAOP/NOP integration.

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 / Network Manager
Type	CP1
Scope	Airport
Status	Active

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

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Context

Related Elements

OBJ
FCM11.1

OI
AO-0801-A

OI
DCB-0103-A

Applicability Area(s) and Timescales

Applicability Area 1:	See list of airports in MP Level 3 Implementation Plan - Annexes *(CP1 airports)*
Applicability Area 2 (non-CP1 Airports):	See list of airports in MP Level 3 Implementation Plan - Annexes *(Non-CP1 airports)*

Timescales	From	By	Applicable to
Initial Operational Capability	01-01-2021	-	Applicability Area 1 + Applicability Area 2 (non-CP1 Airports)
Full Operational Capability / Target Date	-	31-12-2023	Applicability Area 1 + Applicability Area 2 (non-CP1 Airports)

Links to ATM Master Plan Level 2

OI Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
AO-0801-A	Collaborative Airport Planning Interface	31-12-2020	31-12-2025	SOL OI EN OBJ DS PCP ICAO A₂A
DCB-0103-A	Initial collaborative NOP	01-07-2022	01-07-2027	SOL OI EN OBJ DS PCP ICAO A₂A

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

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 4.2.2 - Initial AOP/NOP Information Sharing
Operating Environments
-

Expected Performance Benefits

Safety	Enhanced safety.
Capacity	Increased capacity. Improved airport resilience/limiting capacity reduction in degraded situations.
Operational efficiency	-
Cost efficiency	Enhanced predictability.
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Arrival and Departure Plan Information implementation	01-01-2021	31-12-2023	
ASP02	Implement Network Manager B2B services	01-01-2021	31-12-2023	
ASP03	Data validation	01-01-2021	31-12-2023	
ASP04	Safety assessment	01-01-2021	31-12-2023	
ASP05	Training	01-01-2021	31-12-2023	
ASP06	Operational use	01-01-2021	31-12-2023	
APO01	Arrival and Departure Plan Information implementation	01-01-2021	31-12-2023	
APO02	Implement Network Manager B2B services	01-01-2021	31-12-2023	
APO03	Data validation	01-01-2021	31-12-2023	
APO04	Safety assessment	01-01-2021	31-12-2023	
APO05	Training	01-01-2021	31-12-2023	
APO06	Operational use	01-01-2021	31-12-2023	
NM01	Develop API and DPI operational requirements	01-01-2021	31-12-2023	
NM02	Enhance the NM technical platform and services for Collaborative NOP	01-01-2021	31-12-2023	
NM03	Develop Network Manager B2B services	01-01-2021	31-12-2023	
NM04	Data validation	01-01-2021	31-12-2023	
NM05	Safety assessment	01-01-2021	31-12-2023	
NM06	Training	01-01-2021	31-12-2023	
NM07	Operational use	01-01-2021	31-12-2023	

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, APO05, APO06, ASP01, ASP02, ASP03, ASP04, ASP05, ASP06, NM01, NM02, NM03, NM04, NM05, NM06, NM07

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:** 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

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