



FCM10 — Interactive Rolling NOP

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The rolling view of the network situation and the support to the collaborative processes is based on an information management platform, accessible online by all stakeholders for consultation, (not only passive but including dialogue opportunities) and updated as and when needed, in a secure and tailored way.

An initial implementation of the Interactive Rolling NOP was achieved through the deployment of the NOP Portal. The scope of this objective consists of the implementation of a platform that uses the state-of-the-art technologies.

This platform supports the network collaborative rolling processes from strategic to real-time operations, including capabilities for online performance monitoring integrated and feeding back into the collaborative network planning. The platform provides both a workplace tool, as well as system interfaces to allow integration in the stakeholders' own systems. Access to information is provided in a secure way, tailored according to the stakeholders needs and subject to access control rules, so that only those who have an operational need to access particular information are able to do so.

The platform allows building the Rolling NOP through a continuous exchange between the Network Manager and the operational stakeholders.

The Target Time (TT) management is an important part of Collaborative NOP. NM systems shall be able to derive the TT from the trajectory and the constraint and adjust calculated take-off times ('CTOT') based on refined and agreed TTs. NM shall assess the network impact of TT proposals, facilitate the coordination process if required, and transmit (updated) CTOT/TT messages to operational stakeholders. This process will be limited to the planning phase and transmission of updated CTOT. Operational Stakeholders need to be capable of receiving and processing these TT's.

ANSPs/AUs might foresee some adaptation of their systems for reception and handling of TTs. Where agreed, TT information will be used by flight crew and ATC in executive operations.

System requirements:

For NM:

- Provision of the NM technical platform and services for supporting collaborative NOP;
- Development of required NM B2B Services;
- Develop procedures handling the collaborative NOP updates (e.g. capacities values, runway configurations);
- Provision of TT by slot allocation and revision messages.

For ANSPs, Airports and AUs:

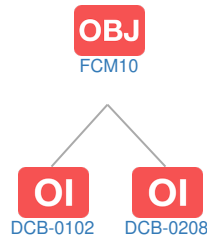
- Use of NM technical platform and services for supporting collaborative NOP;
- Use of the NM B2B Services (if required) for interaction with collaborative NOP;
- Develop procedures to provide updates to collaborative NOP (e.g. capacities values, runway configurations);
- Reception and handling of TT for ATFCM purposes.

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	ECAC+
Status	Active

Context

Related Elements



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	-	31-12-2023	Applicability Area 1 + Applicability Area 2

Links to ATM Master Plan Level 2

OI Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
DCB-0102	Interactive Rolling NOP	31-12-2009	31-12-2013	OI EN OBJ ICAO
DCB-0208	DCB in a trajectory management context	31-12-2026	31-12-2032	SOL OI EN OBJ DS PCP ICAO A

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 4.2.1 - Interactive Rolling NOP

Operating Environments

-

Expected Performance Benefits

Safety	Improved information sharing. Enhanced safety.
Capacity	Enhanced predictability. Increased capacity.
Operational efficiency	-
Cost efficiency	Improved situational awareness.
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Use of NM technical platform and NM B2B service	01-01-2021	31-12-2023	
ASP02	Develop and implement procedures for interaction with the NOP	01-01-2021	31-12-2023	
ASP03	Adapt systems to receive TT for ATFCM purposes	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	Use of NM technical platform and NM B2B service	01-01-2021	31-12-2023	
USE01	Implement procedures and processes in reception of Target Time	01-01-2021	31-12-2023	
NM01	Enhance the NM technical platform and services	01-01-2021	31-12-2023	
NM02	Develop Network Manager B2B services	01-01-2021	31-12-2023	
NM03	Implement the Collaborative NOP procedures	01-01-2021	31-12-2023	
NM04	Adapt NM systems to support Target Time sharing	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, ASP01, ASP02, ASP03, ASP04, ASP05, ASP06, NM01, NM02, NM03, NM04, NM05, NM06, NM07, USE01

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 -