C	P1		Active					APT		
FCI	W11.1	Initial AOP/NOP Information Sharing								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

# Subject matter and scope

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.

# Applicability Area (s) & Timescale(s) Applicability Area 1 (CP1 airports) Applicability Area 2 (non-CP1 Airports) (Non-CP1 Airports) Timescales: From: By: Applicability Area 1 + Applicability Area 2 (non-CP1 Airports) O1/01/2021 Applicability Area 1 + Applicability Area 2 (non-CP1 Airports)

FCM11.1 Initial AOP/NOP Information Sharing
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Full Operational Capability / Target Date

31/12/2023 | Applicability Area 1 + Applicability Area 2 (non-CP1 Airports)

#### References

## **European ATM Master Plan**

OI step -	[AO-0801-A	-Collaborative A	Airport Planning	Interface					
	Enablers -	AIRPORT-03 AOP11.1, AOP11.2	AIRPORT-31 AOP05	AIRPORT-38	AOC-ATM-13	HUM-007 AOP11.1, AOP11.2, FCM11.2	PRO-028	SWIM-APS- 03a	SWIM-APS- 04a
		SWIM-INFR- 05a	SWIM-NET- 01a						
OI step -	[DCB-0103-	A]-Initial collabo	rative NOP						
	Enablers -	AIRPORT-38	METEO-06b	MIL-0502	NIMS-13b FCM04.2	NIMS-14b	NIMS-25	PRO-028	REG-0518
		SWIM-APS- 01a	SWIM-APS- 02a	SWIM-APS- 03a	SWIM-APS- 04a	SWIM-INFR- 05a	SWIM-NET- 01a		

Logondi	WXYZ-001	Covered by SLoA(s) in	WXYZ-002	Covered by SLoA(s) in another objective	WXYZ-	Not covered in the
Legend:	VV A 1 Z-00 1	this objective	ZZZ	Objective covering the enabler	003	Implementation Plan

# Applicable legislation

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

#### **Essential Operational Changes**

ATM Interconnected Network

#### **SESAR Solution**

#20 - Collaborative NOP for Step 1, #21 - Airport Operations Plan and AOP-NOP Seamless Integration

#### **ICAO GANP - ASBUs**

NOPS-B0/4	Initial Airport/ATFM slots and A-CDM Network Interface
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#### **Deployment Programme**

4.2.2 Initial AOP/NOP Information Sharing
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# **European Plan for Aviation Safety**

- none -

## **Operating Environments**

Airport

Network

**Terminal Airspace** 

# Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	Ву
FCM11.1-ASP01	Arrival and Departure Plan Information implementation	01/01/2021	31/12/2023
FCM11.1-ASP02	Implement Network Manager B2B services	01/01/2021	31/12/2023
FCM11.1-ASP03	Data validation	01/01/2021	31/12/2023
FCM11.1-ASP04	Safety assessment	01/01/2021	31/12/2023
FCM11.1-ASP05	Training	01/01/2021	31/12/2023
FCM11.1-ASP06	Operational use	01/01/2021	31/12/2023
FCM11.1-APO01	Arrival and Departure Plan Information implementation	01/01/2021	31/12/2023
FCM11.1-APO02	Implement Network Manager B2B services	01/01/2021	31/12/2023

# Implementation Plan Edition 2022

FCM11.1	Initial AOP/NOP Information Sharing					
FCM11.1-APO03	Data validation	01/01/2021	31/12/2023			
FCM11.1-APO04	Safety assessment	01/01/2021	31/12/2023			
FCM11.1-APO05	Training	01/01/2021	31/12/2023			
FCM11.1-APO06	Operational use	01/01/2021	31/12/2023			
FCM11.1-NM01	Develop API and DPI operational requirements	01/01/2021	31/12/2023			
FCM11.1-NM02	Enhance the NM technical platform and services for Collaborative NOP	01/01/2021	31/12/2023			
FCM11.1-NM03	Develop Network Manager B2B services	01/01/2021	31/12/2023			
FCM11.1-NM04	Data validation	01/01/2021	31/12/2023			
FCM11.1-NM05	Safety assessment	01/01/2021	31/12/2023			
FCM11.1-NM06	Training	01/01/2021	31/12/2023			

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip\_objectives

# **Expected Performance Benefits**

31/12/2023

01/01/2021

Enhanced safety. Safety:

Increased capacity. Improved airport resilience/limiting capacity reduction in degraded situations. Capacity:

Operational Efficiency:

FCM11.1-NM07

Cost Efficiency: Enhanced predictability.

Operational use

**Environment:** Security:

**Detailed SLoA Descriptions** 

	Detailed SLOA Descriptions					
		From:	Ву:			
FCM11.1-ASP01	Arrival and Departure Plan Information implementation	01/01/2021	31/12/2023			
Action by:	ANS Providers	'	'			
Description & purpose:	ANSP in coordination with NM, AO and all relevant local implementing stakeholders have to coordinate on procedures and content related to the content of API and DPI messages. ANSP has to ensure collection and integration of data with all airport operational stakeholders, as necessary.					
	Note: This SLoA needs to be synchronised between ANSPs, AOs and I	NM				
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	t-programme				
ATM Master Plan	[AIRPORT-38]-Airport/ATFCM Extended data interface					
relationship:	[PRO-028]-Procedures to support AOP-NOP collaborative process					
Finalisation criteria:	1 - API and DPI content and procedures have been agreed and data fo system.	1 - API and DPI content and procedures have been agreed and data for those messages has been integrated into the system.				
		From:	Ву:			
FCM11.1-ASP02	Implement Network Manager B2B services	01/01/2021	31/12/2023			
Action by:	ANS Providers					
Description & purpose:	ANSP technically implement in their local system the creation and exchange of API and DPI messages via NM B2B Services.					
	Note :This SLoA needs to be synchronised between ANSPs, AOs and I	NM				
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 - NM B2B services have been implemented in the systems for iAOP/N	NOP data exchange.				
		From:	Ву:			
FCM11.1-ASP03	Data validation	01/01/2021	31/12/2023			
Action by:	ANS Providers	'	'			
Description & purpose:	ANSP in coordination with AO and NM ensure the validation of API and testing of the data exchange.	l DPI data performino	g a process of systems			
	Note :This SLoA needs to be synchronised between ANSPs, AOs and I	NM				
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	1, Deliverable D1.1.	1 07/2021			
	Url: https://www.sesardeploymentmanager.eu/publications/deployment	t-programme				
ATM Master Plan	[AIRPORT-38]-Airport/ATFCM Extended data interface					
relationship:	[PRO-028]-Procedures to support AOP-NOP collaborative process					

FCM11.1	Initial AOP/NOP Information Sharing
FCIVITI.I	initial AOP/NOP information Sharing

		From:	Ву:				
FCM11.1-ASP04	Safety assessment	01/01/2021	31/12/2023				
Action by:	ANS Providers						
escription & purpose:	The safety assessment of the changes must be developed and delivered to the competent authority.						
upporting material(s):	SDM - Standardisation and Regulation support to CP1 deployme	ent 2021, Deliverable D1.1.	1 07/2021				
	Url: https://www.sesardeploymentmanager.eu/publications/deplo	oyment-programme					
nalisation criteria:	1 - Safety assessment has been developed and delivered to the competent authority.						
		From:	Ву:				
FCM11.1-ASP05	Training	01/01/2021	31/12/2023				
ction by:	ANS Providers	'	<u> </u>				
escription & purpose:	All relevant staff must be duly trained.						
upporting material(s):	SDM - Standardisation and Regulation support to CP1 deployme	ent 2021, Deliverable D1.1.	1 07/2021				
	Url: https://www.sesardeploymentmanager.eu/publications/deplo	oyment-programme					
inalisation criteria:	1 - Training has been completed.						
		From:	Ву:				
FCM11.1-ASP06	Operational use	01/01/2021	31/12/2023				
ction by:	ANS Providers		<u> </u>				
escription & purpose:	Initial AOP/NOP Information Sharing is ready for operational use						
Supporting material(s):	been upgraded, the safety assessment has been delivered and a	.,	•				
upporting material(s):	SDM - Standardisation and Regulation support to CP1 deployme Url: https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu/publ		1 07/2021				
inaliaatian autania.		<u> </u>					
inalisation criteria:	1 - Initial AOP/NOP Information Sharing is put into service	Г	D				
FCM11.1-APO01	Arrival and Departure Plan Information implementation	From: 01/01/2021	By: 31/12/2023				
ction by:	Airport Operators						
escription & purpose:	<u> </u>						
	Note :This SLoA needs to be synchronised between ANSPs, AO	s and NM					
upporting material(s):	SDM - Standardisation and Regulation support to CP1 deployme	ent 2021, Deliverable D1.1.	1 07/2021				
	Url: https://www.sesardeploymentmanager.eu/publications/deplo	oyment-programme					
TM Master Plan	[AIRPORT-38]-Airport/ATFCM Extended data interface						
- 1 - 41 1. 1	[PRO-028]-Procedures to support AOP-NOP collaborative process						
elationship:	[PRO-028]-Procedures to support AOP-NOP collaborative proces	<u>ss</u>					
•	1 - API and DPI content and procedures have been agreed and of		as been integrated into the				
•		data for those messages ha					
inalisation criteria:	API and DPI content and procedures have been agreed and c system.	data for those messages ha	Ву:				
inalisation criteria:	1 - API and DPI content and procedures have been agreed and of	data for those messages ha					
inalisation criteria:	API and DPI content and procedures have been agreed and c system.	data for those messages ha	Ву:				
inalisation criteria:  FCM11.1-APO02  ction by:	1 - API and DPI content and procedures have been agreed and consistent.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and expressions.	From: 01/01/2021	By: 31/12/2023				
inalisation criteria:  FCM11.1-APO02  ction by:	1 - API and DPI content and procedures have been agreed and of system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and esservices.	From: 01/01/2021 exchange of API and DPI m	By: 31/12/2023				
inalisation criteria:  FCM11.1-APO02  ction by: escription & purpose:	1 - API and DPI content and procedures have been agreed and consistent.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and esservices.  Note: This SLoA needs to be synchronised between ANSPs, AO	From: 01/01/2021 exchange of API and DPI m	By: 31/12/2023 nessages via NM B2B				
inalisation criteria:  FCM11.1-APO02  action by: escription & purpose:	1 - API and DPI content and procedures have been agreed and contents.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and ensuring services.  Note: This SLoA needs to be synchronised between ANSPs, AOSDM - Standardisation and Regulation support to CP1 deployments.	From: 01/01/2021 exchange of API and DPI messand NM ent 2021, Deliverable D1.1.	By: 31/12/2023 nessages via NM B2B				
FCM11.1-APO02  action by: description & purpose: upporting material(s):	1 - API and DPI content and procedures have been agreed and content system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and espervices.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deployme Url: https://www.sesardeploymentmanager.eu/publications/deplo	From: 01/01/2021 exchange of API and DPI mets and NM ent 2021, Deliverable D1.1. byment-programme	By: 31/12/2023 nessages via NM B2B				
FCM11.1-APO02  action by: description & purpose: upporting material(s):	1 - API and DPI content and procedures have been agreed and contents.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and ensuring services.  Note: This SLoA needs to be synchronised between ANSPs, AOSDM - Standardisation and Regulation support to CP1 deployments.	From: 01/01/2021  exchange of API and DPI mess and NM ent 2021, Deliverable D1.1.  byment-programme iAOP/NOP data exchange	By: 31/12/2023 nessages via NM B2B				
rinalisation criteria:  FCM11.1-APO02  ction by: escription & purpose:  upporting material(s): inalisation criteria:	1 - API and DPI content and procedures have been agreed and content system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and espervices.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deployme Url: https://www.sesardeploymentmanager.eu/publications/deplo	From: 01/01/2021 exchange of API and DPI mets and NM ent 2021, Deliverable D1.1. byment-programme	By: 31/12/2023 nessages via NM B2B				
inalisation criteria:  FCM11.1-APO02  action by: escription & purpose: upporting material(s): inalisation criteria:  FCM11.1-APO03	1 - API and DPI content and procedures have been agreed and content system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and esperices.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deploymently: https://www.sesardeploymentmanager.eu/publications/deplotations/de	From: 01/01/2021  exchange of API and DPI mess and NM ent 2021, Deliverable D1.1.  byment-programme iAOP/NOP data exchange From:	By: 31/12/2023 nessages via NM B2B 1 07/2021				
inalisation criteria:  FCM11.1-APO02  action by: escription & purpose: upporting material(s): inalisation criteria:  FCM11.1-APO03	1 - API and DPI content and procedures have been agreed and only system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and esservices.  Note: This SLoA needs to be synchronised between ANSPs, AOSDM - Standardisation and Regulation support to CP1 deploymently: https://www.sesardeploymentmanager.eu/publications/deplot - NM B2B services have been implemented in the systems for incoordination  Airport Operators  AO in coordination with ANSP and NM ensure the validation of A	From: 01/01/2021  exchange of API and DPI m  as and NM  ent 2021, Deliverable D1.1.  cyment-programme iAOP/NOP data exchange  From: 01/01/2021	By: 31/12/2023 nessages via NM B2B 1 07/2021 By: 31/12/2023				
FCM11.1-APO02 Action by: Description & purpose: Supporting material(s): FCM11.1-APO03 Action by:	1 - API and DPI content and procedures have been agreed and of system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and esservices.  Note: This SLoA needs to be synchronised between ANSPs, AOSDM - Standardisation and Regulation support to CP1 deployme Url: https://www.sesardeploymentmanager.eu/publications/deplot - NM B2B services have been implemented in the systems for incoordination  Airport Operators  AO in coordination with ANSP and NM ensure the validation of A testing of the data exchange.	From: 01/01/2021  exchange of API and DPI messand NM ent 2021, Deliverable D1.1. Dyment-programme iAOP/NOP data exchange From: 01/01/2021  API and DPI data performing	By: 31/12/2023 nessages via NM B2B 1 07/2021 By: 31/12/2023				
FCM11.1-APO02 Action by: Description & purpose: Cinalisation criteria: FCM11.1-APO03 Action by: Description & purpose:	1 - API and DPI content and procedures have been agreed and consistent.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and esperices.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deploymently: https://www.sesardeploymentmanager.eu/publications/deplot	From: 01/01/2021  exchange of API and DPI m  as and NM  ent 2021, Deliverable D1.1.  byment-programme iAOP/NOP data exchange From: 01/01/2021  API and DPI data performings and NM	By: 31/12/2023  nessages via NM B2B  1 07/2021  By: 31/12/2023  g a process of systems				
Action by: Description & purpose: Supporting material(s): Finalisation criteria:	1 - API and DPI content and procedures have been agreed and of system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and e Services.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deployme Url: https://www.sesardeploymentmanager.eu/publications/deplot 1 - NM B2B services have been implemented in the systems for incoordination  Airport Operators  AO in coordination with ANSP and NM ensure the validation of A testing of the data exchange.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deployments.	From: 01/01/2021  exchange of API and DPI messand NM ent 2021, Deliverable D1.1.  Dyment-programme iAOP/NOP data exchange  From: 01/01/2021  API and DPI data performing and NM ent 2021, Deliverable D1.1.	By: 31/12/2023  nessages via NM B2B  1 07/2021  By: 31/12/2023  g a process of systems				
FCM11.1-APO02 Action by: Description & purpose: Gupporting material(s): FCM11.1-APO03 Action by: Description & purpose:	1 - API and DPI content and procedures have been agreed and of system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and espervices.  Note: This SLoA needs to be synchronised between ANSPs, AOSDM - Standardisation and Regulation support to CP1 deployment Url: https://www.sesardeploymentmanager.eu/publications/deplotatio	From: 01/01/2021  exchange of API and DPI messand NM ent 2021, Deliverable D1.1.  Dyment-programme iAOP/NOP data exchange  From: 01/01/2021  API and DPI data performing and NM ent 2021, Deliverable D1.1.	By: 31/12/2023  nessages via NM B2B  1 07/2021  By: 31/12/2023  g a process of systems				
FCM11.1-APO02 Action by: Description & purpose: Cinalisation criteria: FCM11.1-APO03 Action by: Description & purpose:	1 - API and DPI content and procedures have been agreed and of system.  Implement Network Manager B2B services  Airport Operators  AO technically implement in their local system the creation and e Services.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deployme Url: https://www.sesardeploymentmanager.eu/publications/deplot 1 - NM B2B services have been implemented in the systems for incoordination  Airport Operators  AO in coordination with ANSP and NM ensure the validation of A testing of the data exchange.  Note: This SLoA needs to be synchronised between ANSPs, AO SDM - Standardisation and Regulation support to CP1 deployments.	From: 01/01/2021  exchange of API and DPI must and NM ent 2021, Deliverable D1.1. Dyment-programme iAOP/NOP data exchange From: 01/01/2021  API and DPI data performing and NM ent 2021, Deliverable D1.1. Dyment-programme	By: 31/12/2023  nessages via NM B2B  1 07/2021  By: 31/12/2023  g a process of systems				

FCM11.1	Initial AOP/NOP Information Sharing
FCIVITI.I	initial AOP/NOP information Sharing

ECM11 1 A DOO1		From:	By:		
FCM11.1-APO04	Safety assessment	01/01/2021	31/12/2023		
Action by:	Airport Operators		'		
Description & purpose:	The safety assessment of the changes must be developed and delivered	d to the competent a	uthority.		
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				
inalisation criteria:	1 - Safety assessment has been developed and delivered to the competent authority.				
501144 4 4 5005		From:	By:		
FCM11.1-APO05	Training	01/01/2021	31/12/2023		
Action by:	Airport Operators	1			
escription & purpose:	All relevant staff must be duly trained.				
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				
inalisation criteria:	1 - Training has been completed.				
		From:	By:		
FCM11.1-APO06	Operational use	01/01/2021	31/12/2023		
Action by:	Airport Operators				
Description & purpose:	Initial AOP/NOP Information Sharing is ready for operational use once the procedures are in place, the systems have				
- •	been upgraded, the safety assessment has been delivered and approved, and the training has been completed.				
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021		07/2021		
	Url: https://www.sesardeploymentmanager.eu/publications/deployment-	-programme			
Finalisation criteria:	1 - Initial AOP/NOP Information Sharing is put into service.				
FCM11.1-NM01	Develop API and DPI operational requirements	From: 01/01/2021	By: 31/12/2023		
Action by:	NM				
Description & purpose:	In the context of CDM process, NM in coordination with Airport operation	nal stakeholders dev	ralons the requirements for		
rescription a purpose.	API and DPI messages				
	Note :This SLoA needs to be synchronised between ANSPs, AOs and NM				
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				
ATM Master Plan elationship:	[PRO-028]-Procedures to support AOP-NOP collaborative process				
inalisation criteria:	1 - API and DPI messages requirements have been agreed and develop	ped.			
	Enhance the NM technical platform and services for Collaborative	From:	Ву:		
FCM11.1-NM02	NOP	01/01/2021	31/12/2023		
Action by:		l			
Description & purpose:	NM has to develop API and DPI messages and provide improvements upgrades in subsequent NM software rel incorporate this data into NM services. NM supports also the needs in terms of user interfaces and additional data.				
	needs from other objectives (e.g. iAOP data) in the context of Collaborative NOP.				
	Note :This SloA needs to be synchronised between ANSPs, AOs and N				
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 2021	•	07/2021		
TM Mootor Plan	Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme				
ATM Master Plan elationship:	[PRO-028]-Procedures to support AOP-NOP collaborative process				
inalisation criteria:	1 - API and DPI are ready to be integrated into the NM systems.				
FON44 4 111100	Develop Network Manage Box	From:	Ву:		
FCM11.1-NM03	Develop Network Manager B2B services	01/01/2021	31/12/2023		
	NM				
Action by:	Development and implementation of NM B2B Services in support of the information exchanges required by this				
•	objective.				
Action by: Description & purpose:	objective.	JM			
Description & purpose:	objective.  Note :This SLoA needs to be synchronised between ANSPs, AOs and N		07/2021		
•	objective.  Note: This SLoA needs to be synchronised between ANSPs, AOs and N SDM - Standardisation and Regulation support to CP1 deployment 2021	I, Deliverable D1.1.1	07/2021		
Description & purpose:	objective.  Note :This SLoA needs to be synchronised between ANSPs, AOs and N	I, Deliverable D1.1.1 <u>-programme</u>	07/2021		

		01/01/2021	31/12/2023		
Action by:	NM				
Description & purpose:	NM ensures the validation of API and DPI data performing a process of systems testing of the data exchange.				
	Note :This SLoA needs to be synchronised between ANSPs, AOs and NM				
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				
ATM Master Plan relationship:	[PRO-028]-Procedures to support AOP-NOP collaborative process				
Finalisation criteria:	1 - Systems have been tested and validated				
FORMA A NIMOF	Safety assessment	From:	Ву:		
FCM11.1-NM05		01/01/2021	31/12/2023		
Action by:	NM				
Description & purpose:	The safety assessment of the changes must be developed and delivered to the competent authority.				
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 - Safety assessment has been developed and delivered to the compete	ent authority.			
FCM11.1-NM06	Training	From:	By:		
		01/01/2021	31/12/2023		
Action by:	NM				
Description & purpose:	All relevant staff must be duly trained.				
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 - Training has been completed.				
501444 A NINOT	Operational use	From:	By:		
FCM11.1-NM07		01/01/2021	31/12/2023		
Action by:	NM				
Description & purpose:	Initial AOP/NOP Information Sharing is ready for operational use once the procedures are in place, the systems have been upgraded, the safety assessment has been delivered and approved, 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 - Initial AOP/NOP Information Sharing is put into service.				