С	P1				Active				EC	CAC+
FCN	M06.1	Automated Support for Traffic Complexity Assessment and Flight Planning interfaces					aces			
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

## Subject matter and scope

The Traffic Complexity tool continuously monitors and evaluates current and expected traffic loads and estimates the impact of traffic complexity on controllers' workload.

The predicted complexity enables ATFCM to take timely action to adjust capacity or request the traffic profile changes in coordination with Network Manager, ATC and airspace users.

The rigid application of ATFCM regulations based on standard demand thresholds as the pre-dominant tactical capacity measure needs to be replaced by a dynamic working relationship between ANSPs and Network Manager, which evolves towards monitoring of the real controller's workload, the resulting sector capacity and their dynamic management.

As the Trajectory predictability is crucial for complexity management, this objective also addresses the FF-ICE Release 1 implementation and message exchange between NM systems and operational Stakeholders in respect of collaborative flight planning, improving flight plan distribution and enhanced tactical flow management.

This encompasses the exchanges of following messages between NM systems, ATC systems and AU systems such as:

- ATC Flight Plan Proposal (AFP);
- ATC Flight Plan Change message (ACH);
- ATC Flight Plan message (APL);
- · eFPL based on FF-ICE.

ANSPs shall provide the automatic AFPs in cases of tactical trajectory changes and process the APL/ACH data from IFPS. The NM system needs to integrate the automatic AFPs from ATC systems. The eFPL will include the 4D trajectory of the flight, as well as flight performance data, in addition to ICAO 2012 FPL data. The first phase should address only the exchange of eFPL between AUs and NM.

The eFPLs distribution will be exploited when ANSP's transition to FF-ICE provisions is achieved, transition that is not considered as mandatory within this objective.

System requirements:

Concerning the traffic complexity tools, it is suggested that ANSPs develop the concept for the complexity tools utilisation before considering the procurement/upgrades of ATM systems with this functionality.

ANSPs have two options:

- Use NM tools and systems
- Develop and install a local traffic complexity tool and connect with NM via the NM B2B Services;

The system requirements below are related to the second option of local traffic complexity tool:

- The Traffic Complexity tool continuously monitors and evaluates current and expected traffic loads and estimates controller's workload.
- It provides a support in the determination of solutions in order to plan airspace, sectors and staff to handle the predicted traffic. It is suggested that ANSPs develop concept for the complexity tools utilisation before considering the procurement/upgrades of ATM systems with this functionality;
- The local complexity tools need to receive process and integrate the EFD (or the NM B2B Services flight updates) provided by NM. This is required in order to supplement the local traffic counts with the flight plan data from ETFMS;
- Additionally, the use of the NM B2B Services for the reception/processing of NM traffic counts and for the provision of traffic monitoring values to NM might also need to be envisaged.

The NM systems adaptation activities:

- Deal with improving the quality of the planned trajectory (processing of tactical ATC information, processing of eFPL, support to mixed mode operations, implementation of traffic count methodologies that do not impact trajectory calculation) thus enhancing NM complexity assessment.
- Implementation of tools in support of traffic complexity will rely on the planned trajectory and allows simulating options optimising the use of available capacity. This will help NM operations identify possible mitigation strategies to be applied at network or local level, in coordination with FMPs and airspace users if applicable.

## Automated Support for Traffic Complexity Assessment and Flight Planning interfaces

### AFP, APL and ACH

- ANSPs automatically provide AFP message to NM
- The local ATC system shall be capable to process APL and ACH messages sent by IFPS in order to exploit the full benefits of AFP distribution to NM.
- NM systems shall integrate the received AFP and provide APL/ACH messages.

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	All EU SES States
Applicability Area 2	Albania, Armenia, Bosnia and Herzegovina, Georgia, Israel, Moldova, Montenegro, Morocco, North Macedonia, Serbia, Türkiye, Ukraine, United Kingdom

Timescales:	From:	Ву:	Applicable to:
Initial Operational Capability	01/01/2021		Applicability Area 1 + Applicability Area 2
Full Operational Capability / Target date		31/12/2022	Applicability Area 1 + Applicability Area 2

### References

### **European ATM Master Plan**

OI step -	[CM-0101]-A	Automated Supp	ort for Traffic Lo	oad (Density) M	lanagement				
	Enablers -	ER APP ATC 124							
OI step -	[CM-0103-A	.]-Automated Su	pport for Traffic	Complexity As	<u>sessment</u>				
	Enablers -	ER APP ATC 93	NIMS-37	PRO-220a	PRO-220b	SWIM-APS- 03a	SWIM-APS- 04a	SWIM-INFR- 05a	SWIM-NET- 01a
OI step -	[IS-0102]-Improved Management of Flight Plan After Departure								
	Enablers -	NIMS-02	NIMS-20	PRO-005					

I a manadi	WXYZ-001	Covered by SLoA(s) in	WXYZ-002	Covered by SLoA(s) in another objective	WXYZ-	Not covered in the
Legena:	Legend: WXYZ-001	this objective	zzz	Objective covering the enabler	003	Implementation Plan

## **Applicable legislation**

Regulation (EU) No 2019/123 laying down detailed rules for the implementation of air traffic management (ATM) network functions and repealing Regulation (EU) No 677/2011 Regulation (EU) 2021/116 on the establishment of the Common Project One

# **Essential Operational Changes**

ATM Interconnected Network

## **SESAR Solution**

#19 - Automated support for Traffic Complexity Detection and Resolution, #37 - Extended Flight Plan, PJ.18-02c - eFPL distribution to ATC

## **ICAO GANP - ASBUs**

NOPS-B0/2	Collaborative Network Flight Updates
NOPS-B1/4	Dynamic Traffic Complexity Management

### **Deployment Programme**

4.3.1	Automated Support for Traffic Complexity Assessment and Flight Planning Interfaces

### **European Plan for Aviation Safety**

none -
none -

#### **Operating Environments**

# Implementation Plan Edition 2022

En-Route			
Network			
Terminal Airspace			

Automated Support for Traffic Complexity Assessment and Flight Planning interfaces

# Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	Ву
FCM06.1-ASP01	Automatically provide AFP for airborne flights	01/01/2021	31/12/2022
FCM06.1-ASP02	Processing of APL and ACH messages	01/01/2021	31/12/2022
FCM06.1-ASP03	Use NM systems for traffic complexity management	01/01/2021	31/12/2022
FCM06.1-ASP04	Implement Local Traffic Complexity tool	01/01/2021	31/12/2022
FCM06.1-ASP05	Process and Integrate EFD for Local Traffic Complexity Tool	01/01/2021	31/12/2022
FCM06.1-ASP06	Local Traffic Complexity procedures	01/01/2021	31/12/2022
FCM06.1-ASP07	Safety Assessment	01/01/2021	31/12/2022
FCM06.1-ASP08	Training	01/01/2021	31/12/2022
FCM06.1-ASP09	Operational use	01/01/2021	31/12/2022
FCM06.1-NM01	Implement Traffic Complexity supporting tools	01/01/2021	31/12/2022
FCM06.1-NM02	Provide flight update information	01/01/2021	31/12/2022
FCM06.1-NM03	Integration of Automatic AFP in NM systems	01/01/2021	31/12/2022
FCM06.1-NM04	Upgrade the NM systems related to FF-ICE Release 1	01/01/2021	31/12/2022
FCM06.1-NM05	Safety Assessment	01/01/2021	31/12/2022
FCM06.1-NM06	Training	01/01/2021	31/12/2022
FCM06.1-NM07	Operational use	01/01/2021	31/12/2022
<b>—</b> 1 11 11 11 11			and the second s

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

# **Expected Performance Benefits**

Safety: Enhanced safety.
Capacity: Increased ATC capacity.

Operational Efficiency:

FCM06.1

Cost Efficiency:

Increased cost efficiency. Reduced fuel and emissions.

Environment: Security: -

**Detailed SLoA Descriptions** 

	Detailed OLOA Descriptions					
		From:	By:			
FCM06.1-ASP01	Automatically provide AFP for airborne flights	01/01/2021	31/12/2022			
Action by:	ANS Providers					
Description & purpose:	Automatically provide IFPS with updated flight plan information on airbornissing flights, change of route, diversion, change of flight rule, flight type					
	Note :This SLoA needs to be synchronised between ANSPs 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-	<u>programme</u>				
Finalisation criteria:	1 - AFP messages are automatically provided to NM.					
		From:	Ву:			
FCM06.1-ASP02	Processing of APL and ACH messages 01/01/2021 31/12/2022					
Action by:	ANS Providers					
Description & purpose:	Process automatically by ATC systems, the real-time updates to flight plan information as provided by IFPS via APL and ACH messages.					
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-	<u>programme</u>				
Finalisation criteria:	1 - APL and ACH messages are automatically processed.					
		From:	By:			
FCM06.1-ASP03	Use NM systems for traffic complexity management	01/01/2021	31/12/2022			

FCM06.1	Automated Support for Traffic Complexity Assessment and Flight Planning interfaces
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Action by:	ANS Providers				
Description & purpose:		Instead of procuring a separate traffic complexity tool, some ANSPs may opt to use the existing tools provided by NM (in			
	context of Network Collaborative Management) for the de-complexatio		ithin their AoR.		
	Note :FCM06.1-ASP03 and FCM06.1-ASP04 can be implemented in p	parallel.			
	This SLoA needs to be synchronised between ANSPs and NM				
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	21, Deliverable D1.1.	1 07/2021		
	Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme				
ATM Master Plan relationship:	[ER APP ATC 124]-Basic Resource Management and Planning Tools.				
relationship.	[ER APP ATC 93]-Enhance Resource Management and Planning Tool	ls to use Traffic Comp	plexity Assessment.		
	[NIMS-37]-Basic Complexity assessment tools				
Finalisation criteria:	1 - NM complexity tool is used				
FCM06.1-ASP04	Implement Local Traffic Complexity tool	From: 01/01/2021	By: 31/12/2022		
Action by:	ANS Providers				
Description & purpose:	Implement a local automated tool to support the continuous monitoring of the traffic loads per network node (sector, waypoint, route, route segment) according to declared capacities, assess the current and future sector plans and provide support to the local resource management. If deemed necessary, "sector" may include APP and/or TWR sectors.				
	Note :FCM06.1-ASP03 and FCM06.1-ASP04 can be implemented in p	parallel.			
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 202	•	I 07/2021		
ATM M 1 DI	Url: https://www.sesardeploymentmanager.eu/publications/deploymentmanager.	nt-programme			
ATM Master Plan relationship:	[ER APP ATC 124]-Basic Resource Management and Planning Tools.				
	[ER APP ATC 93]-Enhance Resource Management and Planning Tool	ls to use Traffic Comp	olexity Assessment.		
	[NIMS-37]-Basic Complexity assessment tools				
Finalisation criteria:	1 - The local complexity tool is implemented.				
FCM06.1-ASP05	Process and Integrate EFD for Local Traffic Complexity Tool	From: 01/01/2021	By: 31/12/2022		
Action by:	ANS Providers				
Description & purpose:	The local traffic complexity tool to receive, process and integrate ETFMS Flight Data (EFD) or the flight data available via the NM B2B publish/subscribe mechanism. This activity is needed in order to supplement the local traffic count wit the flight plan data from ETFMS.				
	Note :This SLoA needs to be synchronised between ANSPs 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/deploymentmanager.	nt-programme			
Finalisation criteria:	1 - EFD data (the flight data available via the NM B2B publish/subscribe mechanism) are processed and integrated into the local complexity tool.				
FOMOC 4 A CROC		, .	ocessed and integrated into		
FCM06 1-ASD06	the local complexity tool.	From:	Ву:		
FCM06.1-ASP06					
	the local complexity tool.	From:	Ву:		
Action by:	the local complexity tool.  Local Traffic Complexity procedures	From:	Ву:		
Action by: Description & purpose:	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers	From: 01/01/2021	By: 31/12/2022		
Action by: Description & purpose: Supporting material(s):	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.	From: 01/01/2021 21, Deliverable D1.1.	By: 31/12/2022		
Action by: Description & purpose: Supporting material(s): ATM Master Plan	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202	From: 01/01/2021  21, Deliverable D1.1.	By: 31/12/2022		
Action by: Description & purpose: Supporting material(s): ATM Master Plan	Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution	From: 01/01/2021  21, Deliverable D1.1.4  nt-programme omplexity, Density an	By: 31/12/2022 1 07/2021 d Traffic Flow Problems		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship:	Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution managed.	From: 01/01/2021  21, Deliverable D1.1.4  nt-programme omplexity, Density an	By: 31/12/2022 1 07/2021 d Traffic Flow Problems		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship:	Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution	From: 01/01/2021  21, Deliverable D1.1. at-programme omplexity, Density and of complexity, density	By: 31/12/2022  1 07/2021  d Traffic Flow Problems ty or traffic flow issues are		
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Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship: Finalisation criteria: FCM06.1-ASP07	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202  Url : https://www.sesardeploymentmanager.eu/publications/deploymer  [PRO-220a]-ATC Procedures related to Detection and Resolution of C  [PRO-220b]-FCM procedures to describe how detection and resolution managed.  1 - Local complexity procedures are developed and implemented.	From: 01/01/2021  21, Deliverable D1.1.4  at-programme omplexity, Density and of complexity, density From:	By: 31/12/2022  1 07/2021  d Traffic Flow Problems by or traffic flow issues are  By:		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship: Finalisation criteria: FCM06.1-ASP07 Action by:	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution managed.  1 - Local complexity procedures are developed and implemented.  Safety Assessment	From: 01/01/2021  21, Deliverable D1.1.  at-programme omplexity, Density and of complexity, density  From: 01/01/2021	By: 31/12/2022  1 07/2021  d Traffic Flow Problems by or traffic flow issues are  By: 31/12/2022		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship: Finalisation criteria: FCM06.1-ASP07 Action by: Description & purpose:	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution managed.  1 - Local complexity procedures are developed and implemented.  Safety Assessment  ANS Providers	From: 01/01/2021  21, Deliverable D1.1.  at-programme omplexity, Density and of complexity, density  From: 01/01/2021  ed to the competent a	By: 31/12/2022  1 07/2021  d Traffic Flow Problems by or traffic flow issues are  By: 31/12/2022		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship: Finalisation criteria: FCM06.1-ASP07 Action by: Description & purpose:	Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution managed.  1 - Local complexity procedures are developed and implemented.  Safety Assessment  ANS Providers  The safety assessment of the changes must be developed and deliver	From: 01/01/2021  21, Deliverable D1.1.  at-programme omplexity, Density and of complexity, density  From: 01/01/2021  ed to the competent at 21, Deliverable D1.1.	By: 31/12/2022  1 07/2021  d Traffic Flow Problems by or traffic flow issues are  By: 31/12/2022		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship: Finalisation criteria: FCM06.1-ASP07 Action by: Description & purpose: Supporting material(s):	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution managed.  1 - Local complexity procedures are developed and implemented.  Safety Assessment  ANS Providers  The safety assessment of the changes must be developed and deliver SDM - Standardisation and Regulation support to CP1 deployment 202	From: 01/01/2021  21, Deliverable D1.1.  at-programme omplexity, Density and of complexity, density  From: 01/01/2021  ed to the competent at 21, Deliverable D1.1.  at-programme	By: 31/12/2022  1 07/2021  d Traffic Flow Problems by or traffic flow issues are  By: 31/12/2022		
Action by: Description & purpose: Supporting material(s): ATM Master Plan relationship: Finalisation criteria:	the local complexity tool.  Local Traffic Complexity procedures  ANS Providers  Develop and Implement local traffic complexity procedures.  SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment [PRO-220a]-ATC Procedures related to Detection and Resolution of C [PRO-220b]-FCM procedures to describe how detection and resolution managed.  1 - Local complexity procedures are developed and implemented.  Safety Assessment  ANS Providers  The safety assessment of the changes must be developed and deliver SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment	From: 01/01/2021  21, Deliverable D1.1.  at-programme omplexity, Density and of complexity, density  From: 01/01/2021  ed to the competent at 21, Deliverable D1.1.  at-programme	By: 31/12/2022  1 07/2021  d Traffic Flow Problems by or traffic flow issues are  By: 31/12/2022		

FCM06.1	Automated Support for Traffic Complexity Assessment and Flight Planning interfaces
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Action by:	ANS Providers			
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 : <a href="https://www.sesardeploymentmanager.eu/publications/deployment-programme">https://www.sesardeploymentmanager.eu/publications/deployment-programme</a>			
inalisation criteria:	1 - Training has been completed.			
FCM06.1-ASP09		From:	Ву:	
	Operational use	01/01/2021	31/12/2022	
Action by:	ANS Providers			
Description & purpose:	Automated Support for Traffic Complexity Assessment and Flight Planning interfaces 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:	Automated Support for Traffic Complexity Assessment and Flight I		nut into convico	
-mansation criteria:	1 - Automated Support for Trainic Complexity Assessment and Flight			
FCM06.1-NM01	Implement Traffic Complexity supporting tools	From: 01/01/2021	By: 31/12/2022	
Action by:	NM	'	'	
Description & purpose:	Implementation of tools in support of traffic complexity management in the pre-tactical phase. It is intended to support NM operations by identifying the possible mitigation strategies to be applied at the network or local level, in coordinati with FMPs and airspace users.			
	Note: This SLoA needs to be synchronised between ANSPs, AUs and	I NM.		
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 20	21, Deliverable D1.1.	1 07/2021	
	Url: https://www.sesardeploymentmanager.eu/publications/deployme	nt-programme		
ATM Master Plan	[NIMS-37]-Basic Complexity assessment tools			
elationship:	[PRO-220b]-FCM procedures to describe how detection and resolution of complexity, density or traffic flow issues are managed.			
inalisation criteria:	1 - NM traffic complexity tool is implemented.			
		From:	Ву:	
FCM06.1-NM02	Provide flight update information	01/01/2021	31/12/2022	
Action by:	NM			
Description & purpose:	Provide the dynamic flight updates via the EFD and via the NM B2B Services publish/subscribe mechanism to the Traffic Complexity tool.			
	Note :This SLoA needs to be synchronised between ANSPs and NM.			
Supporting material(s):	SDM - Standardisation and Regulation support to CP1 deployment 20	21, Deliverable D1.1.	1 07/2021	
., ,	Url: https://www.sesardeploymentmanager.eu/publications/deployme	nt-programme		
ATM Master Plan	[NIMS-02]-Provision , reception and processing of collaborative flight plan updates			
elationship:	[NIMS-20]-Provision, reception and processing of ATFCM flight progress messages			
Finalisation criteria:	B2B services providing the dynamic flight updates via EFD are imptool.		ned to the local complexity	
		From:	Ву:	
FCM06.1-NM03	Integration of Automatic AFP in NM systems	01/01/2021	31/12/2022	
Action by:	NM			
Description & purpose:	The NM systems AFP integration activities related to trajectory improvement with ATC tactical updates, thus enhance flight planning and complexity assessment. NM needs ensure the correctness of AFP messages by testing and valid them. If the testing is correct, the received AFP messages from a specific ATC unit will be integrated in NM systems			
	Note :This SLoA needs to be synchronised between ANSPs and NM.			
Supporting material(s):	s): SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021			
	Url: https://www.sesardeploymentmanager.eu/publications/deployme			
TM Master Dian	[NIMS-02]-Provision , reception and processing of collaborative flight	<u>pian updates</u>		
	4 455			
elationship:	1 - AFP messages are integrated into the NM system.			
elationship:	Upgrade the NM systems related to FF-ICE Release 1	From: 01/01/2021	By: 31/12/2022	
elationship: Finalisation criteria: FCM06.1-NM04	· · · · · · · · · · · · · · · · · · ·			
ATM Master Plan relationship: Finalisation criteria:  FCM06.1-NM04  Action by: Description & purpose:	Upgrade the NM systems related to FF-ICE Release 1	01/01/2021	31/12/2022	

FCM06.1	Automated Support for Traffic Complexity Assessment and Flight Planning interfaces
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ATM Master Plan relationship:	[NIMS-02]-Provision, reception and processing of collaborative flight pla	n updates		
Finalisation criteria:	1 - FF-ICE release 1 filing and trial services are implemented in NM systems			
FCM06.1-NM05	Safety Assessment	From:	By:	
		01/01/2021	31/12/2022	
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-	<u>programme</u>		
Finalisation criteria:	1 - Safety assessment has been developed and delivered to the competent authority.			
FOLIOS 4 NIMOS	Turbibus.	From:	By:	
FCM06.1-NM06	Training	01/01/2021	31/12/2022	
Action by:	NM			
Description & purpose:	All relevant staff must be duly trained.			
Supporting material(s):	s): SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021			
	Url: https://www.sesardeploymentmanager.eu/publications/deployment-	sesardeploymentmanager.eu/publications/deployment-programme		
Finalisation criteria:	1 - Training has been completed.			
501100 / NILOT		From:	Ву:	
FCM06.1-NM07	Operational use	01/01/2021	31/12/2022	
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 - Automated Support for Traffic Complexity Assessment and Flight Planning interfaces is put into service.			