

CP1		Initial							EU	
ATC24		Network Manager Trajectory Information Enhancement								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

The NM Trajectory information could be enhanced by using Extended Projected Profile (EPP) data. Pending further validations, NM system could be capable of receiving and processing EPP data. For increasing the accuracy of NM systems trajectory prediction, some EPP elements might be used for the tactical trajectory update in the flight post departure phase. The displaying of EPP and the EPP warning are not needed for NM, as they are pure ATC functions.

Although there is no confirmed planning for NM EPP validation activities, it should be noted that NM's EPP implementation is not linked with the EPP display and warnings by ANSPs and therefore it will not impact their plans.

System requirements:

Network Manager should, subject to successful industrialisation target date, use some elements of the downlinked trajectories to enhance the calculation/predictions of NM systems trajectories.

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)	All EU SES States		
Applicability Area 2 (Based on local/regional needs)			
Timescales:	From:	By:	Applicable to:
Initial Operational Capability	01/01/2024		Applicability Area 1
Full Operational Capability / Target Date		31/12/2027	Applicability Area 1

References

European ATM Master Plan

Ol step -	[POI-0011-IS]-Downlink of on-board 4D trajectory data to enhance NM system performance								
Enablers -	NIMS-62								
Ol step -	[POI-0013-IS]-Improving the Tactical Trajectory by using ADS-C Data								
Enablers -	ER APP ATC 187								

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

Applicable legislation

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

Essential Operational Changes

Trajectory Based Operations

SESAR Solution

PJ.18-06b1 - NM Profile Improvement using ADS-C

ICAO GANP - ASBUs

- none -

Deployment Programme

6.1.2	Initial Air-Ground Trajectory Information Sharing (Ground Domain)
-------	---

ATC24	Network Manager Trajectory Information Enhancement
--------------	---

European Plan for Aviation Safety

RMT.0682	Implementation of the regulatory needs of the SESAR common projects
----------	---

Operating Environments

Network

Stakeholder Lines of Action (SLoAs)

SLoA ref.	Title	From	By
ATC24-NM01	Systems to be upgraded	01/01/2024	31/12/2027
Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip_objectives			

Expected Performance Benefits

Safety:	Increased ground situational awareness.
Capacity:	-
Operational Efficiency:	-
Cost Efficiency:	-
Environment:	-
Security:	-

Detailed SLoA Descriptions

ATC24-NM01	Systems to be upgraded	From:	By:
		Applicability Area 1: 01/01/2024	Applicability Area 1: 31/12/2027
Action by:	NM		
Description & purpose:	NM systems to be upgraded in line with the validation results (if the validation is successfully performed).		
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 - Systems are upgraded		

