OBJ ATC24 — Network Manager Trajectory Information Enhancement

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.
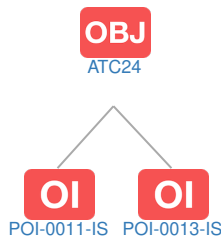
System requirements:

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.

Edition	2022
Stakeholders	Network Manager
Type	CP1
Scope	EU
Status	Initial

Context

Related Elements

Applicability Area(s) and Timescales

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

Links to ATM Master Plan Level 2

OI Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
POI-0011-IS	Downlink of on-board 4D trajectory data to enhance NM system performance	-	-	SOL DS
POI-0013-IS	Improving the Tactical Trajectory by using ADS-C Data	-	-	SOL DS

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

Expected Performance Benefits

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

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
NM01	Systems to be upgraded	01-01-2024	31-12-2027	

Source: European ATM Portal - **Report produced:** 18-04-2024 - **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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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	NM01

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:** 18-04-2024 - **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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