



ATC25 — Initial Trajectory Information Sharing ground distribution

Trajectory information data coming from airborne systems is distributed on the ground to ATS units and NM in order to minimise the air-ground data transmissions. The trajectory data shall be processed and displayed to the controllers in a harmonised way as set out in section 6.1.2.

System requirements:

- ADS-C/EPP trajectory shall be made available to ATS units and the Network Manager systems. The ground communication infrastructure shall be reliable, fast, secure and efficient to support initial trajectory information sharing.
- Ground systems must ensure that trajectory data downlinked from the aircraft is distributed to ATS units and to Network Manager systems.

NOTE: Implementation of this Objective can only be done in conjunction with Objective ATC22, which is providing the corresponding aircraft functionalities; and in conjunction with Objective ATC23, which is providing the corresponding system functionalities on the ground.

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 / 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:	

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

Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
IS-0303-A	Downlink of on-board 4D trajectory data to enhance ATM ground system performance: initial and time based implementation	31-12-2022	31-12-2027	    

Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

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 6.3.1 - Initial Trajectory Information Sharing ground distribution

Operating Environments

-

Expected Performance Benefits

Safety	-
Capacity	-
Operational efficiency	-
Cost efficiency	-
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Ground distribution Architecture definition	01-01-2024	31-12-2027	
ASP02	Ground Infrastructure deployment	01-01-2024	31-12-2027	
ASP03	ATS Units systems connected to Ground distribution Infrastructure	01-01-2024	31-12-2027	
ASP04	Safety Assessment	01-01-2024	31-12-2027	
ASP05	Training	01-01-2024	31-12-2027	
ASP06	Operational use	01-01-2024	31-12-2027	
NM01	Ground distribution Architecture definition	01-01-2024	31-12-2027	
NM02	Ground Infrastructure deployment	01-01-2024	31-12-2027	
NM03	NM systems receiving the EPP data	01-01-2024	31-12-2027	

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	ASP01, ASP02, ASP03, ASP04, ASP05, NM01, NM02, NM03

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	-