

ATC23 — Initial Air-Ground Trajectory Information Sharing (Ground Domain)

Trajectory information shall be enhanced by using air-ground trajectory exchange. The preliminary steps for the deployment of Initial Trajectory Information Sharing consists of the downlink of Extended Projected Profile (EPP) data from the aircraft and processing of this data by the ATC systems.

The ground systems will enable controllers to display the downlinked route on the Controller Working Position. It will be automatically crosschecked whether the downlinked route is consistent with what the expected trajectory on the ground. In case of inconsistency, controllers will receive a warning.

System requirements:

• Ground systems shall support ADS-C/ EPP application as part of ATS B2 services while keeping compatibility with Controller Pilot Data Link Communications (CPDLC) services as required by Commission Regulation (EC) No. 29/2009 (amended by IR 310/2015) including the provision of service to flights equipped only with ATN-B1.

• All ATS providers defined in section 6.3.1 of this document and related ATC systems shall be able to receive and process EPP trajectory information.

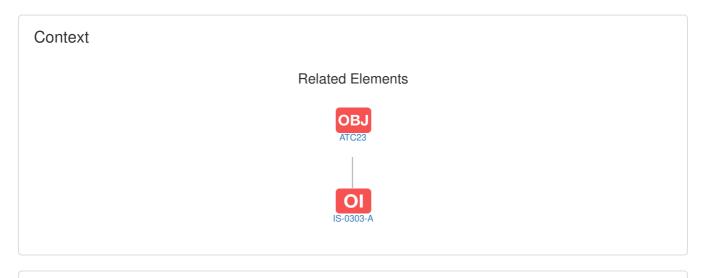
• The ATC systems shall enable controllers to display the route of the downlinked trajectory.

• The ATC systems shall provide a warning to controllers in case of a discrepancy between the downlinked trajectory and the expected route.

NOTE: Implementation of this Objective can only be done in conjunction with Objective ATC22, which is providing the corresponding aircraft functionalities.

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.

2022
Air Navigation Service Provider
CP1
EU
Initial



Applicability Area(s) and TimescalesApplicability Area 1:All EU SES States
(All EU SES States)Applicability Area 2:FromByApplicable toTimescalesFrom01-01-2024-Applicability Area 1Initial Operational Capability / Target Date-31-12-2027Applicability Area 1

OI Operation	nal Improvment Steps	
Code	Title IOC	FOC Related Elements
IS-0303-A	Downlink of on-board 4D trajectory data to enhance 31-12-2022 ATM ground system performance: initial and time based implementation	31-12-2027 SOL EN DS
sol Links to	o SESAR Solutions	
Code	Title Program	Related Elements
No record found		
PCP Links to	o PCP ATM Sub-Functionalities	
Code	Title	Related Elements
No record found		
) Block Modules: No associated data	
ICAO ICAO References Applicable legisla Regulation (EU) 20 Applicable ICAO A None Deployment Progr	D Block Modules: No associated data tion 221/116 on the establishment of the Common Project One Annexes and other references ramme 2022 Il Air-Ground Trajectory Information Sharing (Ground Domain)	

Stakeholder Lines of Action

Code	Title	From	Ву	Related Enablers
ASP01	Description of common requirements for ADS-C/EPP Data integration into ANSP Systems	01-01-2024	31-12-2027	
ASP02	Complete ANSP System deployment	01-01-2024	31-12-2027	
ASP03	Safety Assessment	01-01-2024	31-12-2027	
ASP04	Training	01-01-2024	31-12-2027	
ASP05	Operational use	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

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	-