



SDM-0403 — Trajectory Prediction Common Service (Business Improvement)

The concept of Common Services (COSER) aims at addressing the high costs caused by European ATM high fragmentation. The idea of sharing a common capability and offer it to different interested consumers is directed at reducing the costs of ATM provision. The common Service can be provided at different levels, ranging from local to sub regional level, depending on the underlying business model.

The function of the Trajectory Prediction common service is:

- ¿ Manage the flight intents
- ¿ Manage the environment data (SID-STAR, runways, MTO¿)
- ¿ Manage the constraints (ATC, NM, ¿)
- ¿ Compute and maintain an updated trajectory according to the flight progress

As this Service is safety related, measurements should be taken to protect the data security and the service provider needs to be certified

The Trajectory Prediction common service is aimed to cover the pan-European area or group of states and should ensure appropriate quality level in terms of service availability, response time and data accuracy

Rationale The Service needs to receive airspace data (including TMA and runways configuration), ATC restrictions, requests from ATSUs, MET and surveillance data and airborne performance information. State of the art software algorithms will compute and generate dynamically updated trajectories, including list of crossed airspace sectors. A solid communications infrastructure is required to support all information exchanges. As well as all other Common Services, it is expected that provision of Trajectory Prediction services will be staged in a market place that is open to competition. Therefore it is expected that collaboration and partnerships between ANSP¿s and other stakeholders is fostered and necessary to facilitate activities.

Forecast V3 end date -

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level V1

Solution Data Quality Index -

Current Maturity Phase -

Scope -

Release -

PCP Status -

Context

Related Elements



EN Enablers: No associated data

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	AUO-0206	FOC Management of the Reference Business Trajectory	OI EN

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.15-08	Trajectory Prediction Service	SESAR 2020 Wave 1	SOL PJ OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data