



AO-0205 — Automated Assistance to Controller for Surface Movement Planning and Routing

The System provides the controller with the most suitable taxi route, calculated by:

- optimizing the selected criteria (e.g. delay, distance, emissions or a combination thereof), and
- conforming to the planning, ground rules and known operational constraints.

Expected benefits are an increased situational awareness of controllers, particularly in LVPs, and an improved predictability of ground movements thanks to the computation of more accurate and reliable estimated taxi times.

Rationale There is a need at some airports with complex layout to improve the allocation of taxi routes to aircraft and vehicles under ATC by supporting the controller with a tool that automatically plans taxi routes and make them known to the ATC system, which is required by some conformance monitoring alerts, the A-SMGCS Guidance function and the sequencing of departures flights at the runway.

Forecast V3 end date -

Benefits start date (IOC) 31-12-2021

Full benefits date (FOC) 31-12-2025

Current Maturity Level V3 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

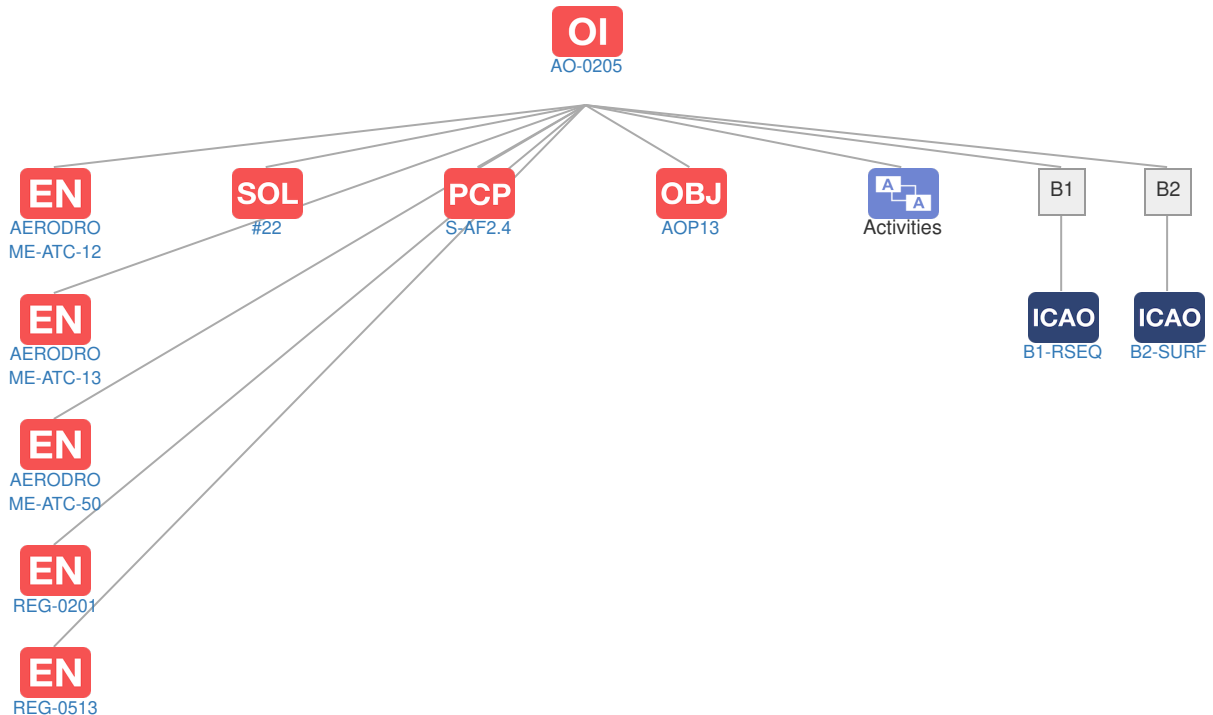
Scope Local

Release R5

PCP Status PCP

Context

Related Elements





ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-RSEQ	Improved Airport operations through Departure, Surface and Arrival Management	SOL OI OBJ PCP
B2		
B2-SURF	Optimized Surface Routing and Safety Benefits (A-SMGCS Level 3-4 and SVS)	SOL OI OBJ PCP