



AO-0224 — Advanced 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,
- and taking into account potential conflicting situations with other mobiles.

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 31-12-2021

Benefits start date (IOC) 31-12-2028

Full benefits date (FOC) 31-12-2032

Current Maturity Level V2

Solution Data Quality Index -

Current Maturity Phase R&D

Scope -

Release -

PCP Status -

Context

Related Elements



