



POI-0030-AUO — Enhanced Positioning for Airport Surface Navigation

Use of hybridized navigation position output computed by blending information from multiple on-board sensors and satellite systems to provide other aircraft systems (autopilot, ADS-B, pilot display) with position having better accuracy, availability, continuity and integrity on airport surface. Operational benefit is the possible uninterrupted surface operations in low visibility conditions and potentially leading to fully autonomous taxi. Other benefit is increased surface traffic management by more accurate information provided by aircraft to control center through ADS-B.

Rationale Low visibility conditions are causing significant delays and have negative impact on airport capacity. More accurate position information will enable operations independent on the visibility conditions and will provide more predictability in surface movement operations.

Forecast V3 end date 31-12-2021

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level V1 finalised

Solution Data Quality Index -

Current Maturity Phase -

Scope -

Release -

PCP Status -

Context

Related Elements



EN Enablers: No associated data

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.03a-03	Enhanced navigation and accuracy in low visibility conditions (LVC) on the airport surface	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