



AOM-0607 — Enhanced Terminal Area for Efficient Curved Operations

Using curved segments in the approach and departure phases will optimise the environmental impact and provide a means to avoid environment constraints. Using Geometric altitude will allow removing the drawback of the transition in the approach phase (crew and ATC workload reduced), allowing complex TMA procedure and increasing efficiency and predictability.

Rationale The Use of Geometric altitude (GNSS based) will offer opportunities for optimised three dimensional routes minimising level off. It can be expected to reduce emissions (especially noise) and increase safety (vertical trajectories in the STAR and the final approach -by GBAS or SBAS- are linked).
GNSS based navigation can offer to improve efficiency and airspace design flexibility by allowing changing or creating approach procedures without infrastructure changes. Advanced arrival procedures can be designed in the Terminal area down to the runway (even in all weather conditions with GBAS). Efficiency benefits linked to reduced air traffic controller workload may be obtained (reduce missed approach rates).
Curved segments for departures as close as possible to the runway end will support the avoidance of environmental constraints (noise sensitive areas and obstacles).

Forecast V3 end date 31-12-2023

Benefits start date (IOC) 25-11-2031

Full benefits date (FOC) 31-12-2036

Current Maturity Level V1

Solution Data Quality Index -

Current Maturity Phase R&D

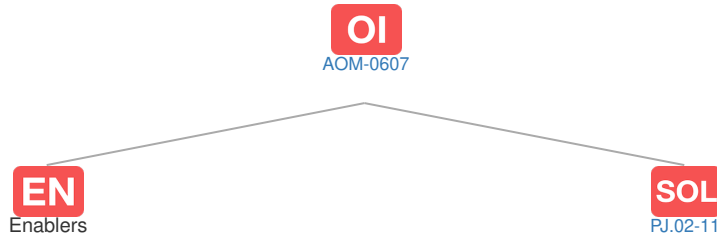
Scope -

Release -

PCP Status -

Context

Related Elements



EN Enablers

Code	Dates																										
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
AOM-0607																											
🔒 A/C-02b								▲			V4																
🔒 A/C-02c								▲			V4																
🔒 A/C-81								▲			V4																
🔒 AERODROME-ATC-77								▲																			
🔒 APP ATC 119								▲			V4						V5										
🔒 CTE-N06																											
🔒 PRO-254																											
➔ CTE-N07a																											
➔ CTE-N07d								▲			V4						V5										

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.02-11	Enhanced Terminal Area for efficient curved operations	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