



Solution #51 — Enhanced terminal operations with LPV procedures

The SESAR Solution 'Enhanced terminal operations with LPV procedures', also called 'Advanced Approach Procedure with Vertical guidance (APV)', consists of an innovative Required Navigation Performance (RNP) approach procedure to Localiser Performance with Vertical Guidance (LPV) minima. The Advanced APV concept represents a cluster of existing concept elements characterised by a CDA (where possible) initial approach, RF turns direct to FAP with automatic transition from the RNP intermediate to LPV final approach segment.

Program SESAR1

Need for coordination Local

Related to [Solution PJ.01-02](#)

Date V1 Gate -

Date V2 Gate -

Date V3 Gate -

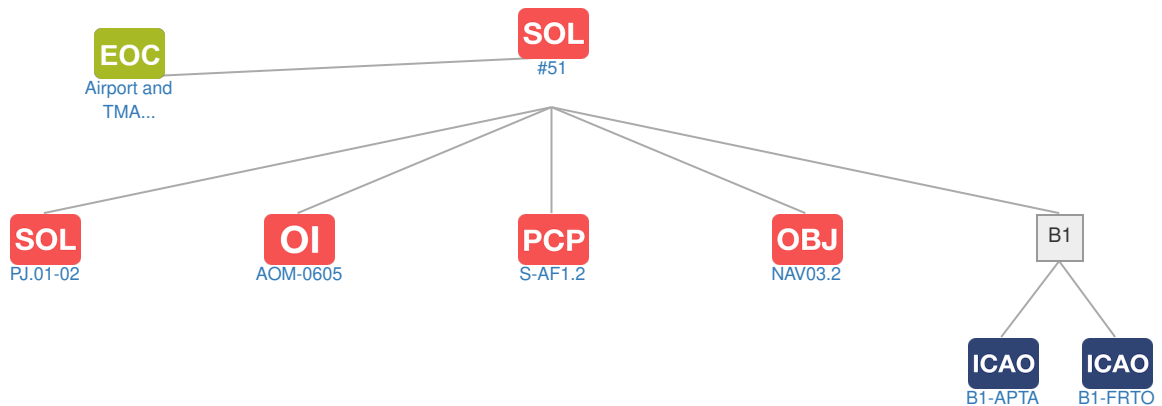
Deployment Start Date 31-12-2017

Benefits Start Date (IOC) 31-12-2020

Full Benefit Date (FOC) 31-12-2026

Context

Related Elements



















 Operating Environments: No associated data






 Phases: No associated data

 SESAR Projects: No associated data


Operational Improvement Steps / Enablers

Code	Dates	Solution Data Quality Index : -																												
		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			
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AOM-0605																														
 A/C-07																														
 CTE-N01																														
 MIL-STD-01																														
 MIL-STD-02																														
 A/C-02a																														
 CTE-N02																														
 CTE-N03																														
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 CTE-N07a																														
 CTE-N07b																														
 CTE-N07c																														
 CTE-N08c																														





PCP Elements

Code	Title	Related Elements
S-AF1.2	Enhanced Terminal Airspace using RNP-Based Operations	    

Implementation Objectives

Code	Title	Related Elements
NAV03.2	RNP 1 in TMA Operations	     

ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-APTA	Optimised Airport Accessibility	   
B1-FRTO	Improved Operations through Optimized ATS Routing	