



AOM-0404 — Optimised Route Network using Advanced RNP

Advanced RNP is implemented and supports enhancements of route structure. Spacing between routes is reduced where required, with commensurate requirements on airborne navigation and ground systems capabilities.

Rationale With the introduction of an Advanced-RNP navigation specification, the advantages gained from P-RNAV will be further enhanced by on-board performance monitoring and alerting and the execution of more predictable aircraft behaviour. This will enable the design of optimised routes which may include closely spaced parallel routes, Fixed Radius Transition (FRT) and Tactical Parallel Offset (TPO) functionality in En-Route and procedures which include Radius to Fix (RF) in the TMA.

Forecast V3 end date -

Benefits start date (IOC) 31-10-2020

Full benefits date (FOC) 31-12-2025

Current Maturity Level V3

Solution Data Quality Index -

Current Maturity Phase R&D

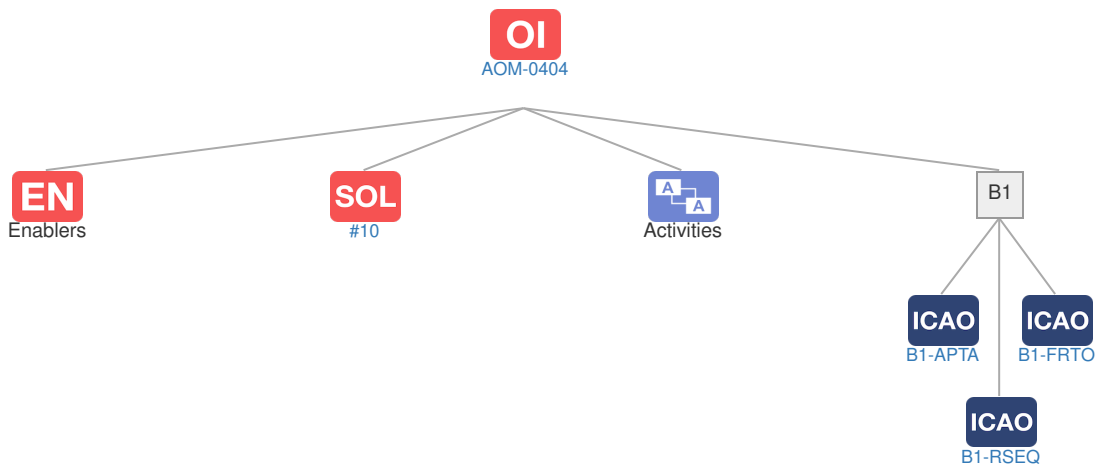
Scope Network

Release R5

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-0404																																		
🔒 A/C-04a																																		
🔒 AIMS-14																																		
🔒 CTE-N08																																		
➔ CTE-N01																																		
➔ CTE-N02																																		
➔ CTE-N03																																		
➔ CTE-N04																																		
➔ CTE-N12																																		
➔ CTE-N13a																																		
➔ CTE-NGOV01																																		

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
#10	Optimised Route Network using Advanced RNP	SESAR1	OI DS EOC ICAO

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-APTA	Optimised Airport Accessibility	SOL OI OBJ PCP
B1-FRTO	Improved Operations through Optimized ATS Routing	SOL OI OBJ PCP
B1-RSEQ	Improved Airport operations through Departure, Surface and Arrival Management	SOL OI OBJ PCP