



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

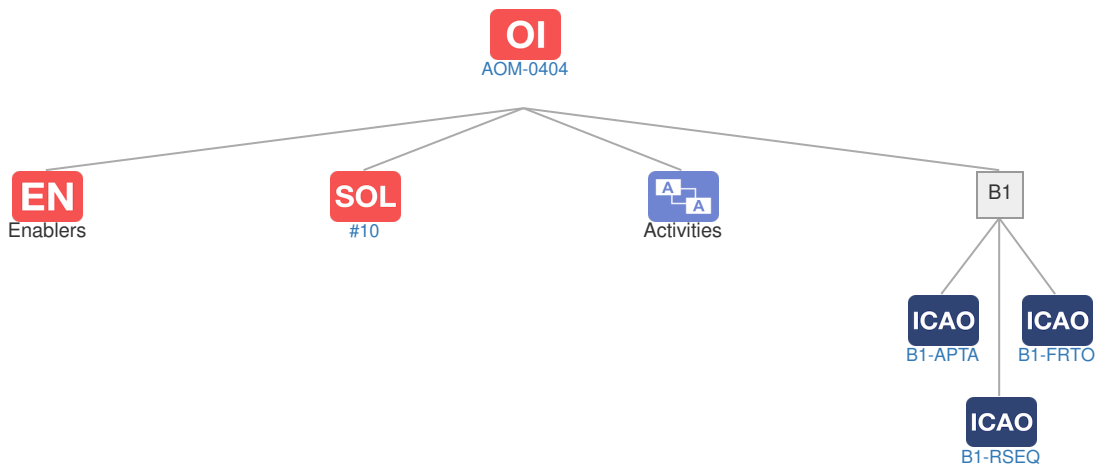
Scope Network

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 |