



TS-0308 — Flow based Integration of Arrival and Departure Management

Integrated Arrival and Departure management aims at increasing throughput and predictability at an airport by improved co-ordination between En-Route/Approach and Tower controllers. Arrival and Departure flows to the same runway (or for dependent runways) are integrated by setting up fixed arrival-departure pattern for defined periods. The successive pattern might be chosen by the operators or provided by an optimization algorithm considering arrival and departure demand. Departure flow to the runway is managed by pre-departure sequencing (integrating route planning) while arrival flow to the runway is managed by arrival metering.

Rationale By setting up the pattern based sequence for arrivals and departures overall delay will be reduced and predictability of TTOT and TLDT will be increased

Forecast V3 end date -

Benefits start date (IOC) 31-12-2021

Full benefits date (FOC) 31-12-2025

Current Maturity Level V3 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

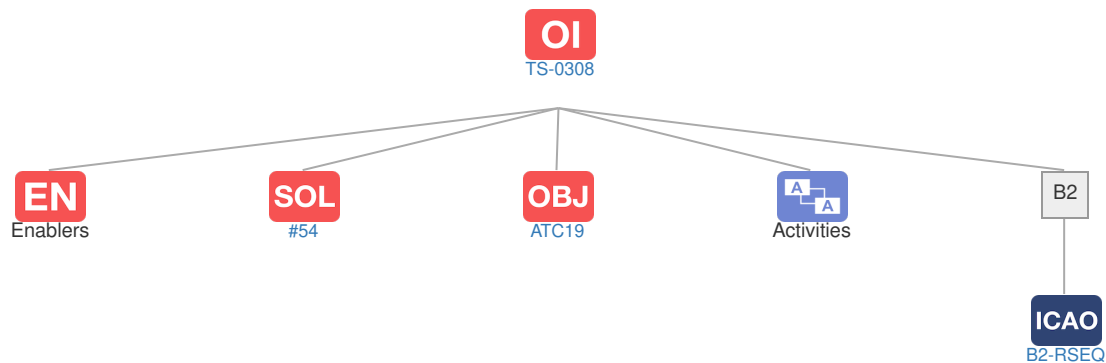
Scope Synchronised

Release R4

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 | | | | | | | | | | | |
| TS-0308 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AERODROME-ATC-09a | | | | | V4 | V5 | | | IOC - FOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AERODROME-ATC-50 | | | | V4 | V5 | | | | IOC - FOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APP ATC 161 | | | | V4 | V5 | | | | IOC - FOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-APS-05a | | | | V4 | V5 | | | | IOC - FOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-INFR-01a | | | | V4 | V5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-NET-01a | | | | V4 | V5 | | | | IOC - FOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-SUPT-01a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-SUPT-03a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-SUPT-05a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

| Code | Title | Program | Related Elements |
|------|--|---------|--|
| #54 | Flow based Integration of Arrival and Departure Management | SESAR1 | OI OBJ DS EOC ICAO |

PCP PCP Elements: No associated data

OBJ Implementation Objectives

| Code | Title | Related Elements |
|-------|--------------------------------|---|
| ATC19 | Enhanced AMAN-DMAN integration | ICAO STK SOL OI |

ICAO ICAO Block Modules

| Designator | Title | Related Elements |
|------------|--------------------------|---------------------------------|
| B2 | B2-RSEQ Linked AMAN/DMAN | SOL OI PCP |

