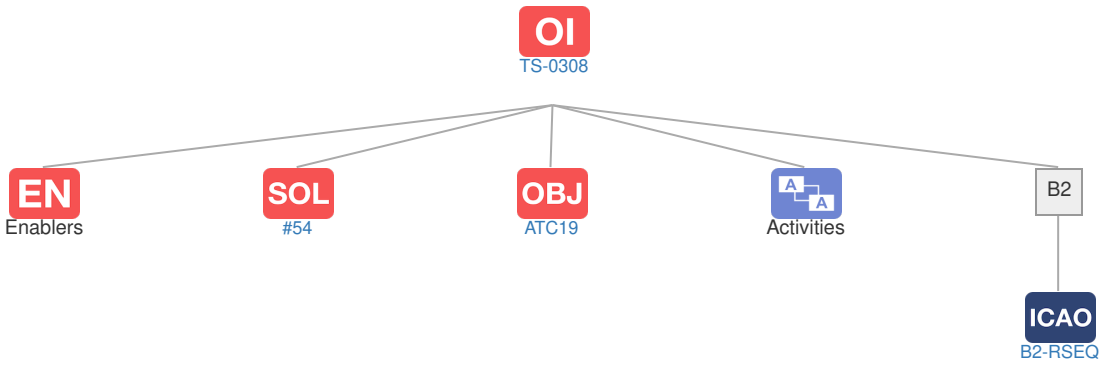
TS-0308 — Flow based Integration of Arrival and Departure Management

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	IOC - FOC
SWIM-SUPT-05a	V5 IOC - FOC

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	AMAN/DMAN Integration	STK SOL OI

ICAO ICAO Block Modules

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