



TS-0307 — Integrated Arrival Departure Management for traffic optimisation within the TMA and Extended TMA Airspace

Traffic in the TMA and nearby sectors is managed in near real-time, taking advantage of predicted demand information provided by local Arrival and Departure Management systems to identify sector/route over-demand or additional capacity, to resolve complex interacting traffic flows in and nearby the TMA and to balance the sector/flow load by controlling sector entry times or waypoint times e.g. via TTL, AMAN Allocated Times, speed advisories, CTA, ground delay and alternate routing, or use of ROC/ROD.

Rationale There is a need to actively manage the TMA as a wholly integrated node of the ATM system. Where the system predicts an excess of demand over capacity, aircraft could receive alternate routing to provide extra capacity, demand peaks will be eased via speed adjustments and demand could be reduced by slowing down airborne traffic. If capacity is still insufficient, demand can be modified by ground holdings or altering the departure sequence from one or more airports.

Forecast V3 end date 31-12-2021

Benefits start date (IOC) 31-12-2028

Full benefits date (FOC) 31-12-2032

Current Maturity Level V2

Solution Data Quality Index -

Current Maturity Phase R&D

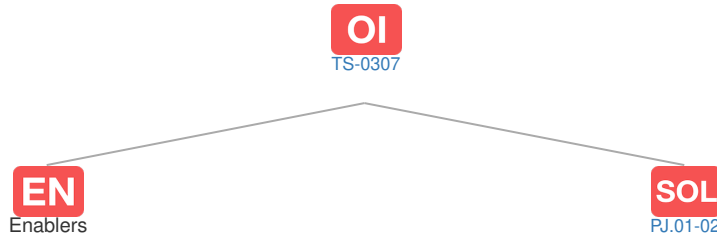
Scope -

Release -

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-0307																																							
🔒 APP ATC 62								▲			V4	V5																											
🔒 APP ATC 63								▲			V4	V5																											
🔒 APP ATC 110								▲			V4	V5																											
➔ AERODROME-ATC-33					▲					V4	V5																												
➔ ER APP ATC 149a			▲						V4	V5	IOC - FOC																												
➔ METEO-03c					▲					V4	V5																												
➔ METEO-04c					▲					V4	V5																												
➔ METEO-05c					▲					V4	V5																												

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.01-02	Use of Arrival and Departure Management Information for Traffic Optimisation within the TMA	SESAR 2020 Wave 1	SOL PJ OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data