



# 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



