



TS-0305-B — Arrival Management Extended to En-Route Airspace - impact of overlapping AMAN operations for En Route ATC

En-Route sectors are expected to contribute to the arrival sequencing towards multiple TMA simultaneously with overlapping AMAN operations inducing potential issues on workload/ complexity/ performance for En Route ATCOs in the execution phase of the flights. This operational improvement will identify and assess these issues, and the relevant means to solve them; the En Route controllers will be provided with information from several arrival management systems operating out to extended range. They will be able to manage the arrival flows together with the rest of the traffic in their area of responsibility.

Rationale In execution phase of the flights, En-route sectors are affected by concurrent arrival management advisories due to a Multiple AMAN environment (AMAN systems of several independent TMAs; overlapping AMAN horizons).
The information exchange of the advisories/constraints will in most cases be extended across several ATS units, requiring an increased degree of cross-border co-operation and support from 'distant' ATM actors to resolve problems for an airport far outside their normal sphere of operations
Solution needs to consider how arrival management and sequence implementation impacts the service/benefits for the different arrival streams, TMAs and airports. Solution also needs to consider the impact on other non-arrival traffic within the sector(s) and to consider the impact on ATCO workload and safety in the complex environment.

Forecast V3 end date 31-12-2021

Benefits start date (IOC) 31-12-2028

Full benefits date (FOC) 31-12-2032

Current Maturity Level V1

Solution Data Quality Index -

Current Maturity Phase R&D

Scope -

Release -

PCP Status -

Context

Related Elements



