



AO-0310 — Weather-Dependent Reductions of Wake Turbulence Separations for Final Approach

Optimization of the ICAO wake turbulence separation by use of weather-dependent separation (WDS) minima on arrivals, applicable under given wind conditions. This allows conditional reduction or suspension of separation minima for most aircraft pairs, enabling runway throughput increase compared to ICAO scheme, whilst maintaining acceptable levels of safety.

Rationale The demand is high for airport capacity and efficiency at some European airports, and in particular for increased runway throughput.
Today's ICAO separations are based on certificated Maximum Take Off Mass (MTOM) and it includes three categories (i.e. HEAVY, MEDIUM or LIGHT) allocating all aircraft into one of them. Because the separations are static and applicable in all weather conditions, this leads to over separation in many instances, resulting in a loss of runway throughput.

Forecast V3 end date 31-08-2019

Benefits start date (IOC) 31-12-2025

Full benefits date (FOC) 31-12-2030

Current Maturity Level V2 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

Scope -

Release R9

PCP Status -

Context

Related Elements



