



# AO-0326 — Optimisation of Separation Minima on Approach and Departure thanks to European Wake Turbulence Categorisation (RECAT EU)

Optimisation of the ICAO wake turbulence separation classes by the specification of six wake turbulence categories and of associated static longitudinal wake turbulence separation minima on arrivals and departures, applicable in all operating conditions. The RECAT-EU scheme splits ICAO HEAVY and MEDIUM categories into 'Upper' ('Larger') and 'Lower' ('Smaller'). This split has been based on aircraft type characteristics. This allows reduction of separation minima for some frequent 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 defined based on the worst case in each category, this leads to over separation in many instances. This means that each category may cover a wide range of different sized aircraft, what leads to over-conservative separations in many cases, and so a loss of runway throughput.

**Forecast V3 end date** 31-12-2013

**Benefits start date (IOC)** 01-12-2015

**Full benefits date (FOC)** 01-12-2019

**Current Maturity Level** V5

**Solution Data Quality Index** -

**Current Maturity Phase** R&D Finalised

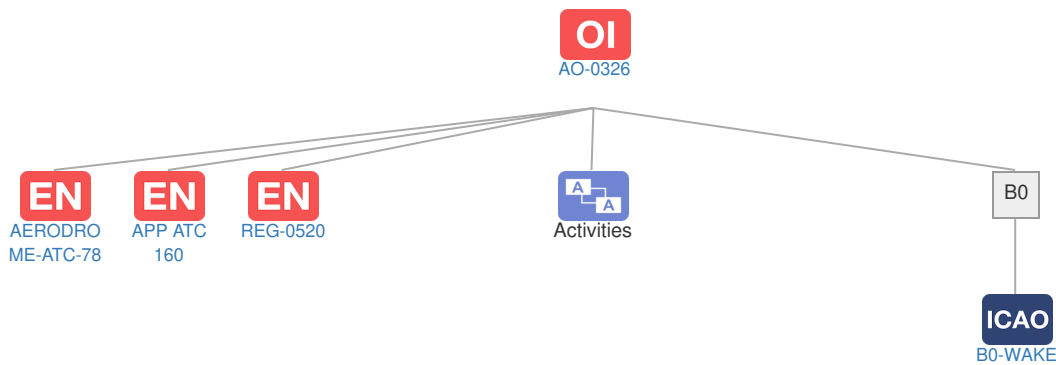
**Scope** -

**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		
AO-0326	[Yellow box]																											
AERODROME-ATC-78	[IOC - FOC]																											
APP ATC 160	[IOC - FOC]																											
REG-0520																												

**OI** Dependent OI Steps: No associated data

**SOL** SESAR Solutions: No associated data

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

## ICAO ICAO Block Modules

Designator	Title	Related Elements
B0		
B0-WAKE	Increased Runway Throughput through Wake Turbulence Separation	