



AO-0301 — Crosswind Reduced Separations for Arrivals

This improvement proposes a change in the current ATM procedures that enables ATC controllers to reduce separations without any support of a new ATC controller tool. The level of operational applicability and benefits will depend on local wind conditions and runway orientation. Under defined crosswind conditions the wake turbulence minima to be applied between two aircrafts, can be reduced by 0.5 Nm for arrivals.

Rationale Recent wake turbulence validation activities show potential benefits in being able to temporarily increase runway throughput and/or absorb ground/airborne delays when considering that the wake turbulences under certain crosswind conditions are transported out of the approach flight path or that they have decayed enough because of the turbulence associated to the wind. In general the benefits will favour busy airports with large airborne delays. Airports that heavily rely on an operator's network based on transferring passengers will benefit from this procedure. The major benefits are to be achieved when a single segregated runway is used for arriving traffic and during peak periods or when airborne holding creates delays. The actual benefits are dependent mainly on local wind conditions, traffic mix (number of wake turbulence separated pairs) and traffic density. A positive benefit study was conducted for Paris CDG and London Heathrow airports. It will provide a transitional step towards SESAR IP2 related operational improvements to be addressed by the SJU project P6.8.1 in Phase 2 - Weather Dependent Separations (WDS).

Forecast V3 end date -

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level -

Solution Data Quality Index -

Current Maturity Phase R&D Finalised

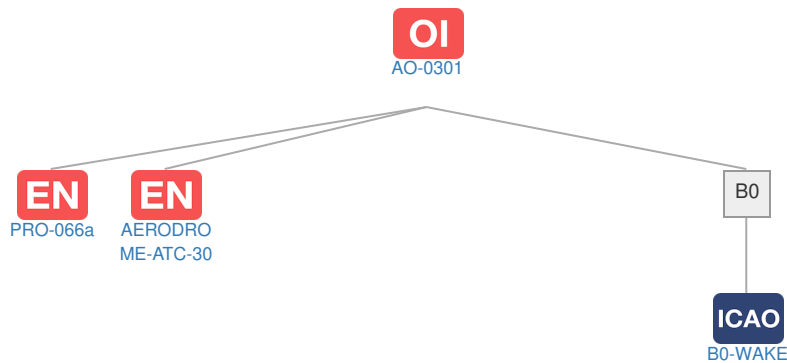
Scope Local

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-0301																											
PRO-066a																											
AERODROME-ATC-30																											

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	OI