



AO-0303 — Time Based Separation for Final Approach - full concept

The application of time based wake turbulence radar separation rules on final approach (TBS) provides a consistent time spacing between arriving aircraft in order to maintain runway approach capacity independently of any headwind component. The approach controller and the Tower runway controller are to be provided with the necessary TBS tool support to enable consistent and accurate delivery to the TBS rules on final approach. The minimum radar separation and runway related spacing constraints will be required to be respected when applying the TBS rules.

Rationale The objective is to recover the reduction in the achieved arrival capacity currently experienced in headwind conditions when applying the current distance based wake turbulence radar separation rules on final approach, with a positive effect on runway throughput and runway queuing related delays. The minimum radar separation will constrain the recovery of the reduction in the achieved arrival capacity for spacing minimum pairs.

Forecast V3 end date -

Benefits start date (IOC) 31-12-2019

Full benefits date (FOC) 31-12-2023

Current Maturity Level V3 finalised

Solution Data Quality Index -

Current Maturity Phase R&D Finalised

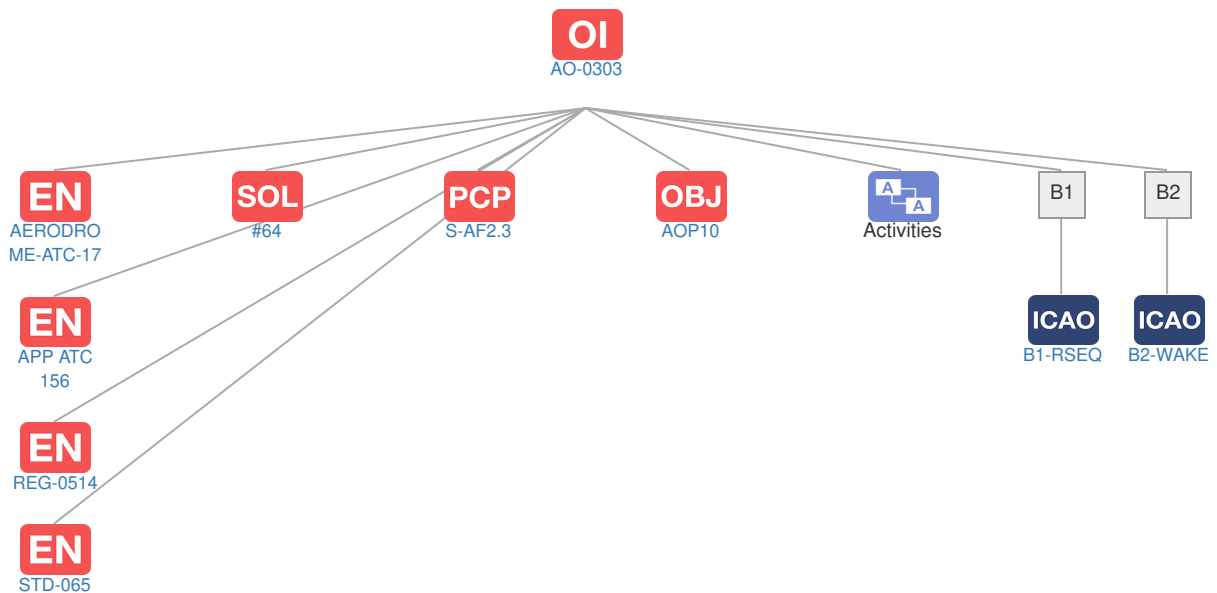
Scope Local

Release R2

PCP Status PCP

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-0303																												
AERODROME-ATC-17																												
APP ATC 156																												
REG-0514																												
STD-065																												

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	AO-0302	Time Based Separation (TBS) for Arriving Aircraft -Transitional Step	

SOL SESAR Solutions

Code	Title	Program	Related Elements
#64	Time Based Separation	SESAR1	

PCP PCP Elements

Code	Title	Related Elements
S-AF2.3	Time-Based Separation for Final Approach	

OBJ Implementation Objectives

Code	Title	Related Elements
AOP10	Time-Based Separation	

ICAO ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-RSEQ	Improved Airport operations through Departure, Surface and Arrival Management	
B2		
B2-WAKE	Advanced Wake Turbulence Separation (Time Based)	

