



Solution PJ.02-01 — Wake Turbulence Separation Optimization

PJ02-01 Solution aims to optimize wake turbulence separation minima for arrivals and departures to enhance airport runway throughput. It focuses on development of:

- wake separations reductions based on weather and static aircraft characteristics;
- separation delivery support tool for ATCOs;
- wake risk monitoring function (ground and airborne);
- wake vortex decay enhancing devices.

Program SESAR 2020 Wave 1

Need for coordination Local

Related to [Solution #46](#), [Solution PJ.01-02](#)

Date V1 Gate -

Date V2 Gate -

Date V3 Gate -

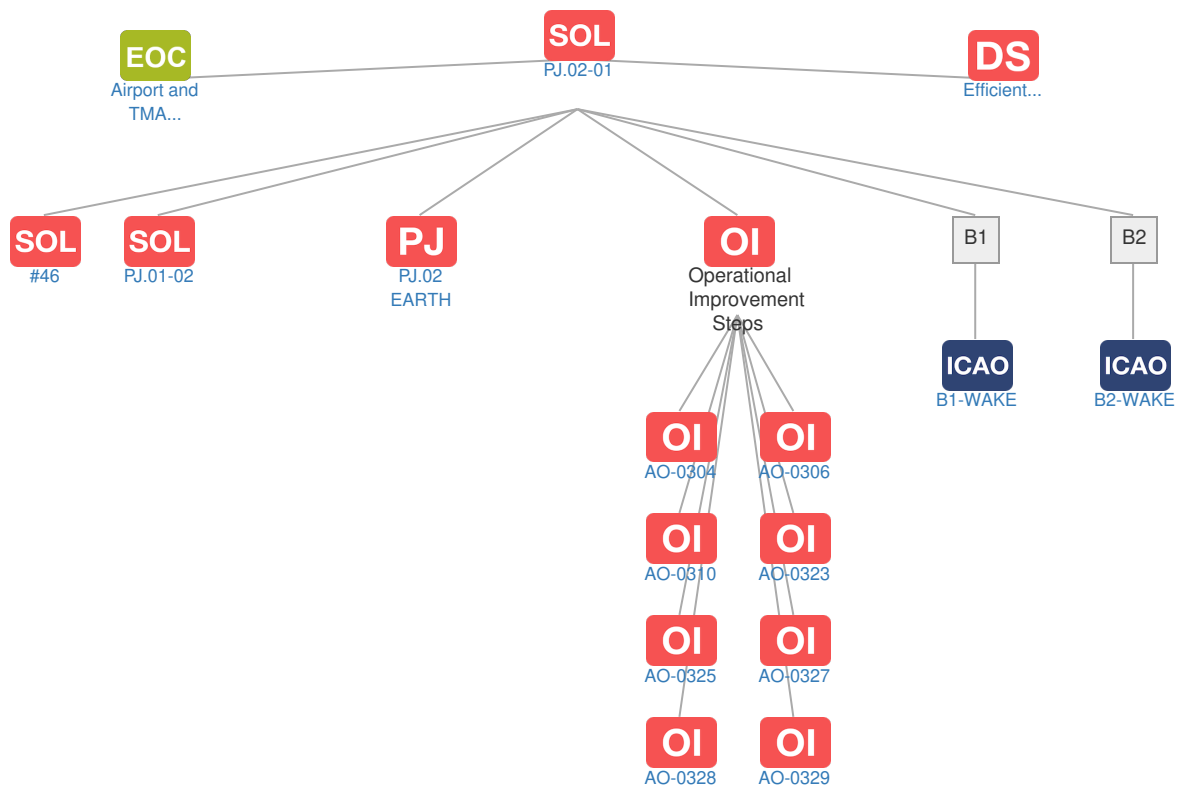
Deployment Start Date 31-12-2011

Benefits Start Date (IOC) 31-12-2025

Full Benefit Date (FOC) 31-12-2030

Context

Related Elements



→	A/C-47				▲ V4	IOC - FOC
→	AERODROME-ATC-60			▲		
→	AIRPORT-08			▲	V4 V5	IOC - FOC
→	SWIM-APS-07a		▲		V4	IOC - FOC
AO-0323						
→	AERODROME-ATC-60			▲		
AO-0325						
🔒	AIRPORT-08			▲	V4 V5	IOC - FOC
AO-0327						
🔒	A/C-30c			▲	V4	IOC - FOC
🔒	A/C-48a					FOC
→	A/C-48b				▲	
→	AERODROME-ATC-60			▲		
AO-0328						
🔒	AERODROME-ATC-68			▲	V4 V5	IOC - FOC
🔒	APP ATC 99			▲	V4 V5	IOC - FOC
🔒	APP ATC 120			▲	V4 V5	IOC - FOC
🔒	METEO-03			▲	V4 V5	IOC - FOC
🔒	METEO-04b			▲	V4 V5	IOC - FOC
→	A/C-47				▲ V4	IOC - FOC
→	AERODROME-ATC-17		▲			IOC - FOC
→	AERODROME-ATC-55			▲	V4 V5	IOC - FOC
→	APP ATC 156					IOC - FOC
→	SWIM-APS-07a		▲		V4	IOC - FOC
AO-0329						
🔒	AERODROME-ATC-69			▲	V4 V5	IOC - FOC
🔒	METEO-03			▲	V4 V5	IOC - FOC
🔒	METEO-04b			▲	V4 V5	IOC - FOC
→	A/C-37a				4	IOC - FOC
→	A/C-47				▲ V4	IOC - FOC
→	AERODROME-ATC-55			▲	V4 V5	IOC - FOC
→	AERODROME-ATC-93			▲	V4 V5	IOC - FOC

→	METEO-05b	▲	V4	V5	IOC - FOC														
→	SWIM-APS-07a	▲	V4	V5	IOC - FOC														

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-WAKE	Increased Runway Throughput through Dynamic Wake Turbulence Separation	SOL OI PCP
B2		
B2-WAKE	Advanced Wake Turbulence Separation (Time Based)	SOL OI PCP