



# 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** -

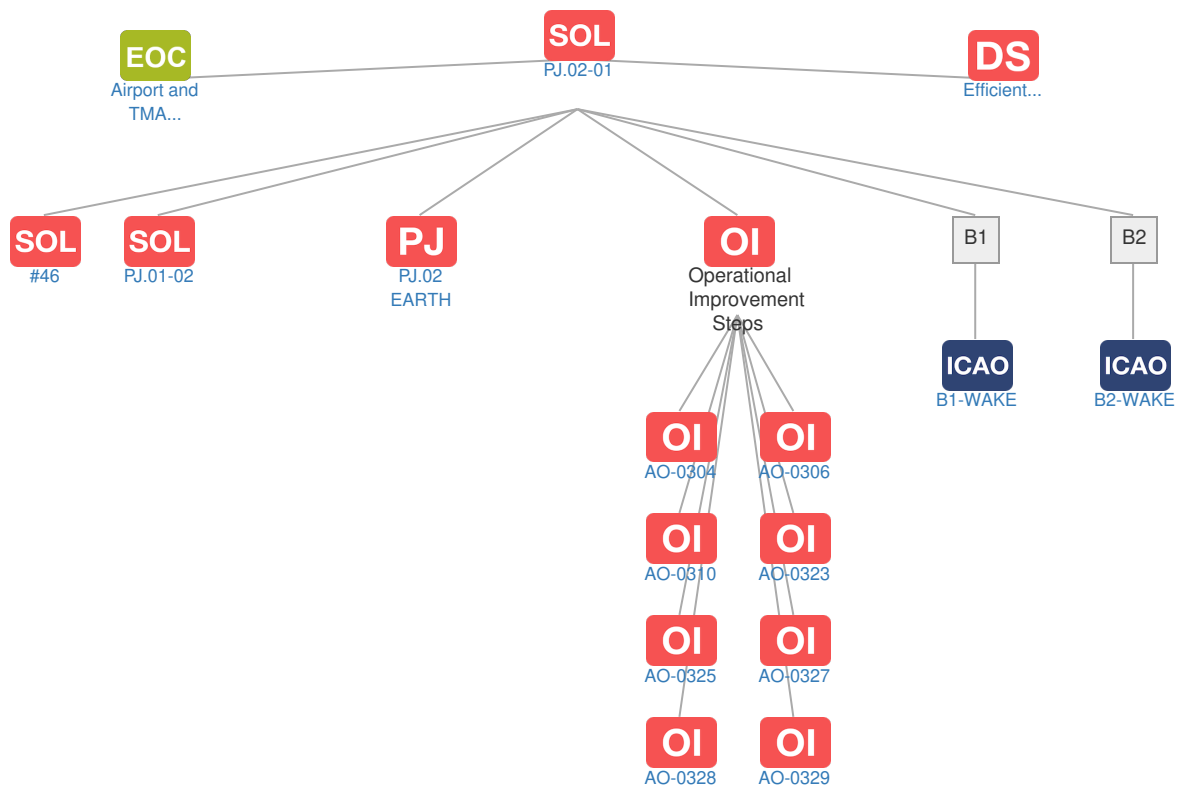
**Deployment Start Date** 31-12-2011

**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

