



# AUO-0506 — Improved Air safety using on-board detection via e.g. LIDAR of Wake Turbulence detection

*Safety in the cockpit is improved thanks to better awareness of surrounding Wake Turbulence events. The Flight Crew has access to Wake Turbulence detection info received through on-board sensor (e.g. LIDAR).*

**Rationale** Based on on-board detection, the aim is to ensure tactical measurement of wake turbulence activation of flight control response countering wake turbulence impact to increase the stability of the aircraft, thereby improving safety and capacity.

**Forecast V3 end date** -

**Benefits start date (IOC)** 31-12-2020

**Full benefits date (FOC)** 31-12-2026

**Current Maturity Level** -

**Solution Data Quality Index** -

**Current Maturity Phase** R&D

**Scope** -

**Release** R8

**PCP Status** -

## Context

### Related Elements




AUO-0506



A/C-30b

**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												
AUO-0506																																						
 A/C-30b																																						

**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: No associated data