



# AO-0320 — Enhanced Arrival Procedures using Increased Glide Slope (IGS)

*Enhanced arrival procedures using Increased Glide Slope (IGS) will allow inbound aircraft to reduce noise footprint (environmental benefit). IGS procedures are published approaches which feature a glide slope between the published one (commonly 3 degrees) and 4.49 degrees (limit above which steep approach concept applies), in order to provide a significant reduction in ground noise level (order of magnitude: -3 dBA in approach between 15 NM and 4 NM from runway threshold).*

**Rationale** While in today's environment most airports are providing ILS straight-in precision approaches at a standard glide slope of 3°, there is an operational need for reducing the noise below final approach (environmental benefit). This can be done by increasing the final glide slope (published as an alternate final procedure) which can be captured before FAP (at any time during approach phase).

**Forecast V3 end date** 31-08-2019

**Benefits start date (IOC)** 31-08-2026

**Full benefits date (FOC)** 31-08-2030

**Current Maturity Level** V2 finalised

**Solution Data Quality Index** -

**Current Maturity Phase** R&D

**Scope** -

**Release** R9

**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-0320																											
🔒 AERODROME-ATC-71					▲			V4		V5																	
🔒 APP ATC 114				▲				V4		V5																	
➔ A/C-01						V4																					
➔ A/C-02a			▲		V4																						
➔ A/C-02b									▲			V4															
➔ A/C-04																											
➔ A/C-04a																											
➔ A/C-05a																											
➔ A/C-06										V4																	
➔ A/C-56a			▲							V4																	
➔ A/C-56b																											
➔ A/C-86																											
➔ A/C-87																											
➔ CTE-N06																											
➔ CTE-N07																											
➔ CTE-N07a																											
➔ CTE-N07b																											
➔ CTE-N07c																											
➔ METEO-04c																											
➔ METEO-05c																											

## OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	AO-0328	Optimised Runway Delivery on Final Approach	SOL OI EN DS ICAO

## SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.02-02	Enhanced Arrival Procedures	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO

## PCP PCP Elements: No associated data



Implementation Objectives: No associated data



ICAO Block Modules: No associated data