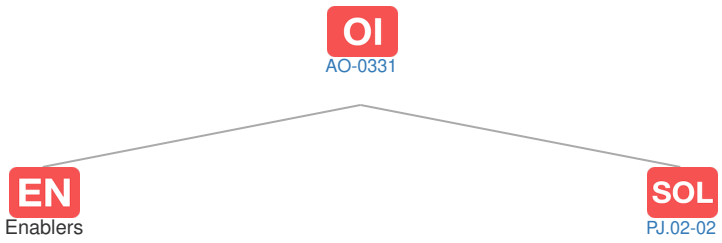
AO-0331 — Enhanced Arrival Procedure using an Increased Glide Slope to a Second Runway Aiming Point (IGS-to-SRAP)

This enhanced arrival procedure, applying an Increased Glide Slope (above the approach angle in use to the considered runway threshold and up to 4.49°) to an Aiming Point further down the runway threshold (as specified in the published chart), will enable inbound aircraft to reduce noise footprint (environmental benefit) and possibly reduce runway occupancy time and/or taxi-in time depending on local runway/taxiway layout. Unlike the Increased Glide Slope concept (which applies to the runway physical threshold), increasing the glide slope on an additional (second) runway aiming point should prevent a potential reduction of airport capacity and potentially increasing it through optimization in wake turbulence separations.
Compared to benefits gained from the Second Runway Aiming Point concept (using the same glide path angle for both glide slopes), increasing the glide slope on the additional (second) runway aiming point allows a potential increase of airport capacity through optimization in wake turbulence separations with a limited / shorter displacement of the additional runway aiming point.

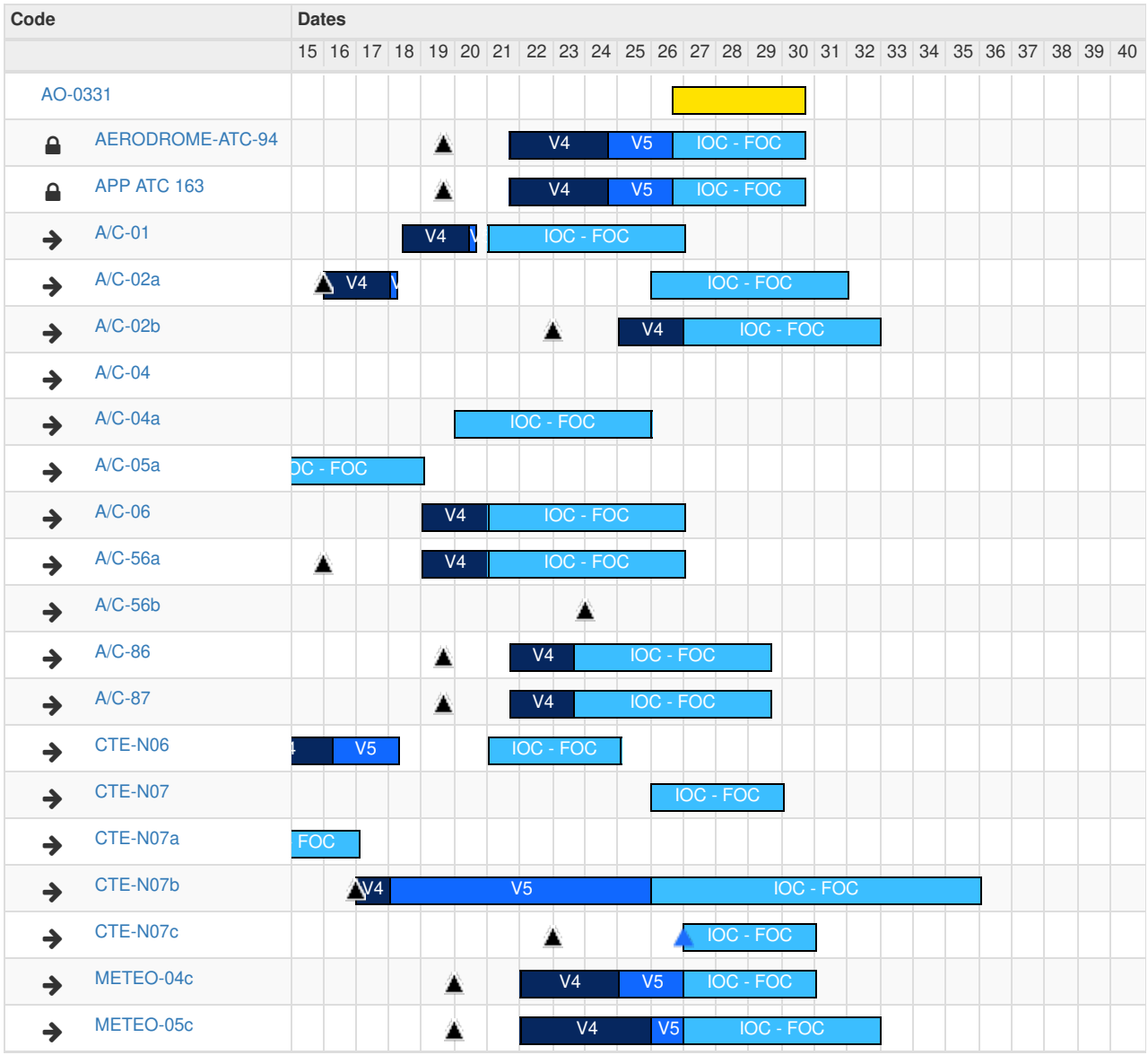
Rationale	As two new enhanced arrival procedures have been introduced (IGS and SRAP), it appears that a specific procedure, inspired from both concepts of operations, is promising not only in terms of reducing the noise beneath the final approach path but also in optimizing the runway throughput. This new enhanced procedure would be 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



OI Dependent OI Steps: No associated data

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

OBJ Implementation Objectives: No associated data

ICAO Block Modules: No associated data