Solution PJ.02-02 — Enhanced Arrival Procedures

Enhanced Arrival Procedures encompass several new concepts of operation such as:

- Dual Threshold (DT)
- Second Runway Aiming Point (SRAP)
- Increased Glide Slope (IGS)
- Adaptive Increased Glide Slope (A-IGS)
- Increased Glide Slope to a Second Runway Aiming Point (IGS-to-SRAP)

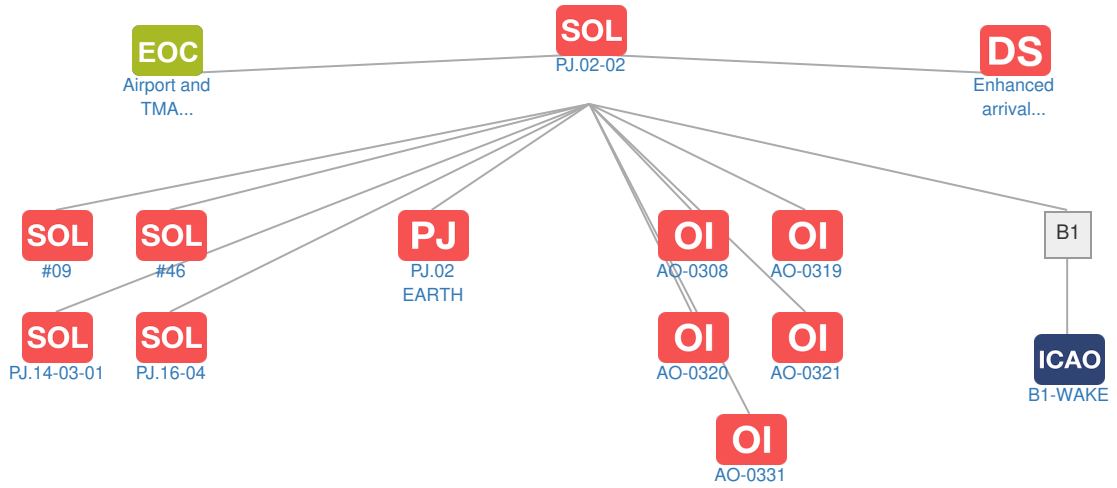
Those new approach procedures enhance landing performance, making use of satellite navigation and augmentation capabilities, such as Ground-Based Augmentation System (GBAS) and Satellite-Based Augmentation System (SBAS).

By doing so, the environmental impact (e.g. noise, fuel) should be reduced. In addition, runway throughput may be increased (e.g. via optimization of ROT and/or wake turbulence separations).

Program	SESAR 2020 Wave 1
Need for coordination	Network
Related to	Solution #09, Solution #46, Solution PJ.14-03-01, Solution PJ.16-04
Date V1 Gate	-
Date V2 Gate	-
Date V3 Gate	-
Deployment Start Date	31-08-2023
Benefits Start Date (IOC)	31-08-2026
Full Benefit Date (FOC)	31-08-2030

Context

Related Elements



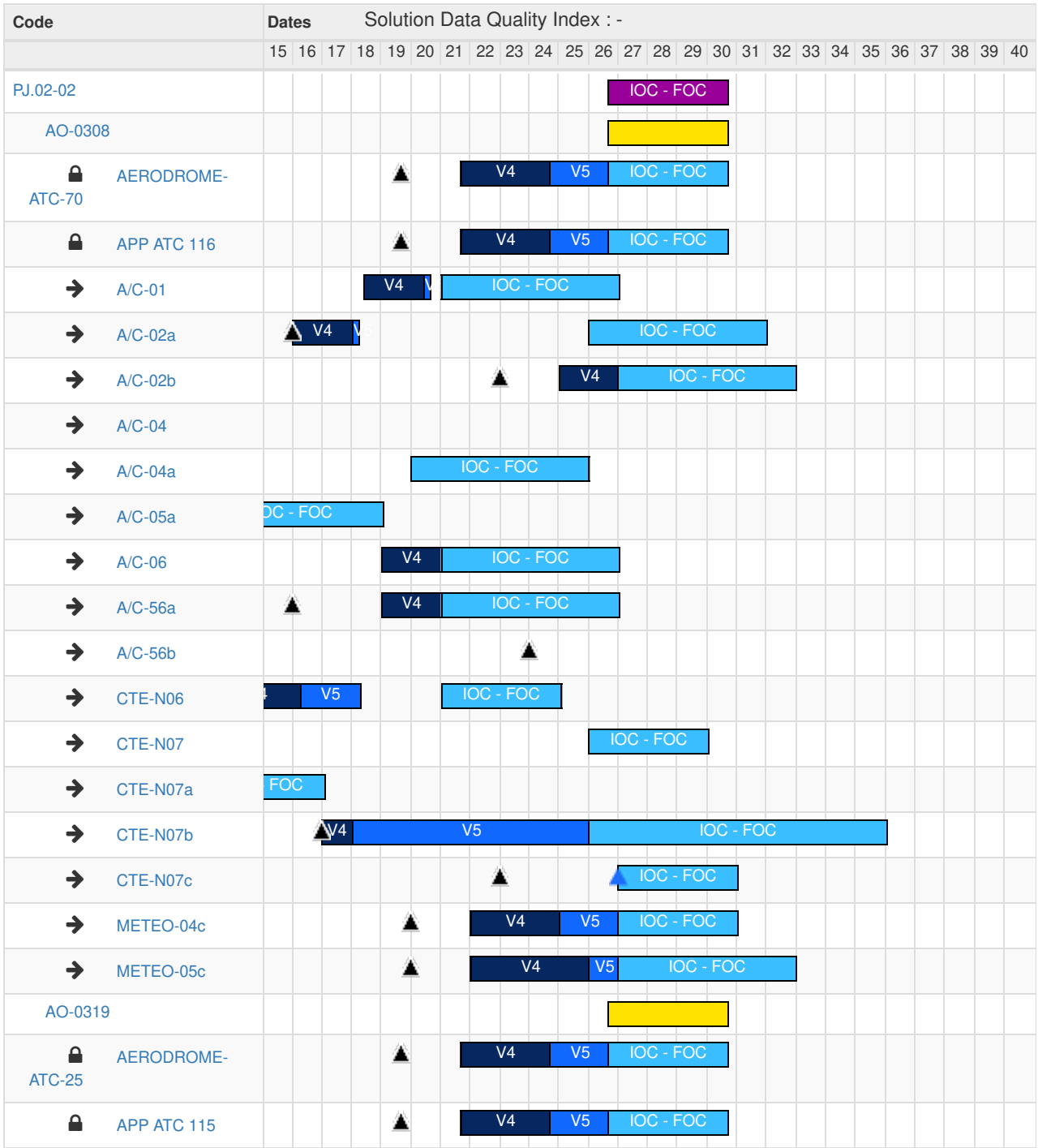
Operating Environments: No associated data

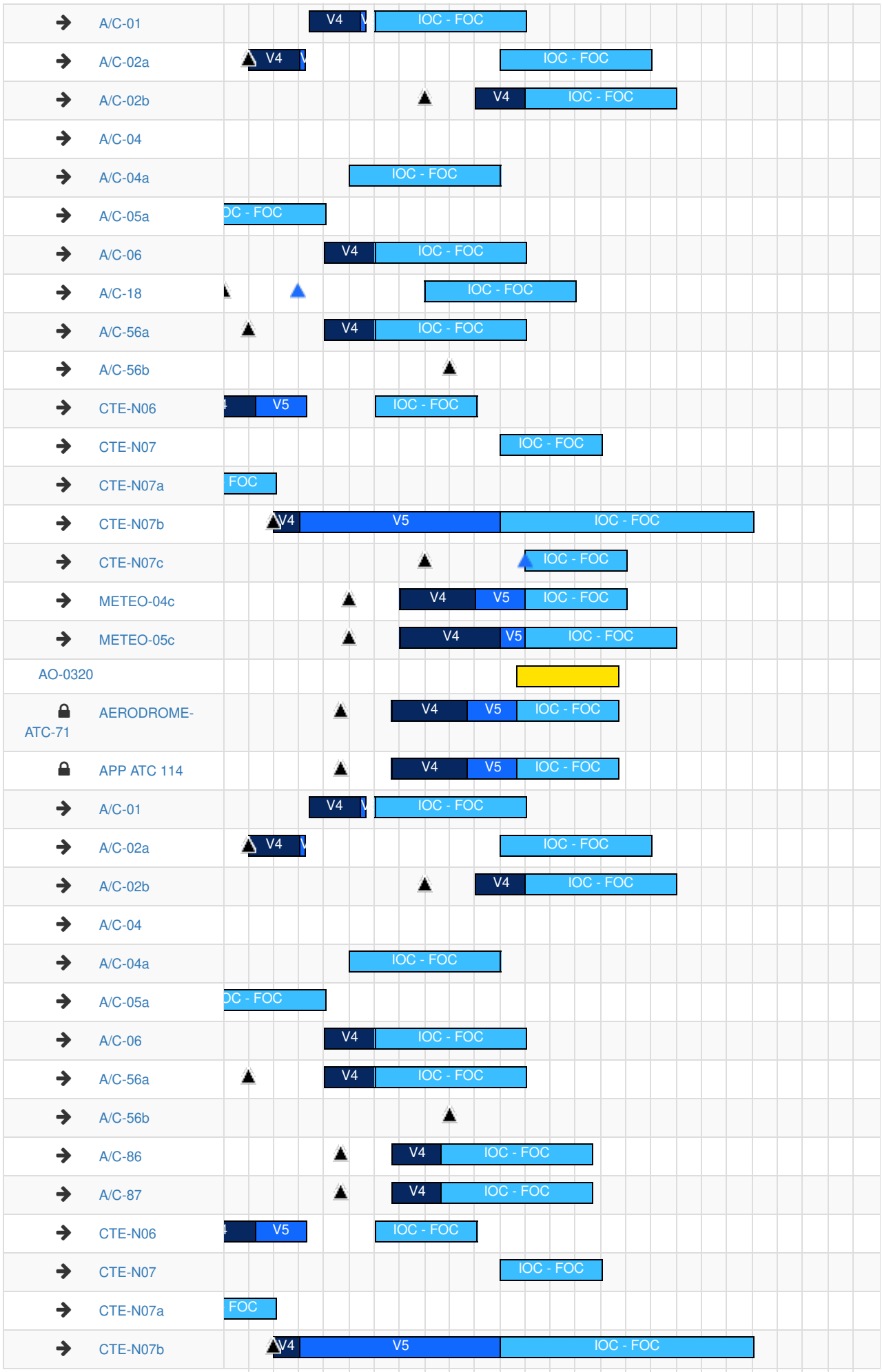
Phases: No associated data

PJ SESAR Projects

Code	Title	Related Elements
PJ.02 EARTH	Increased Runway and Airport Throughput	SOL

OI Operational Improvement Steps / Enablers

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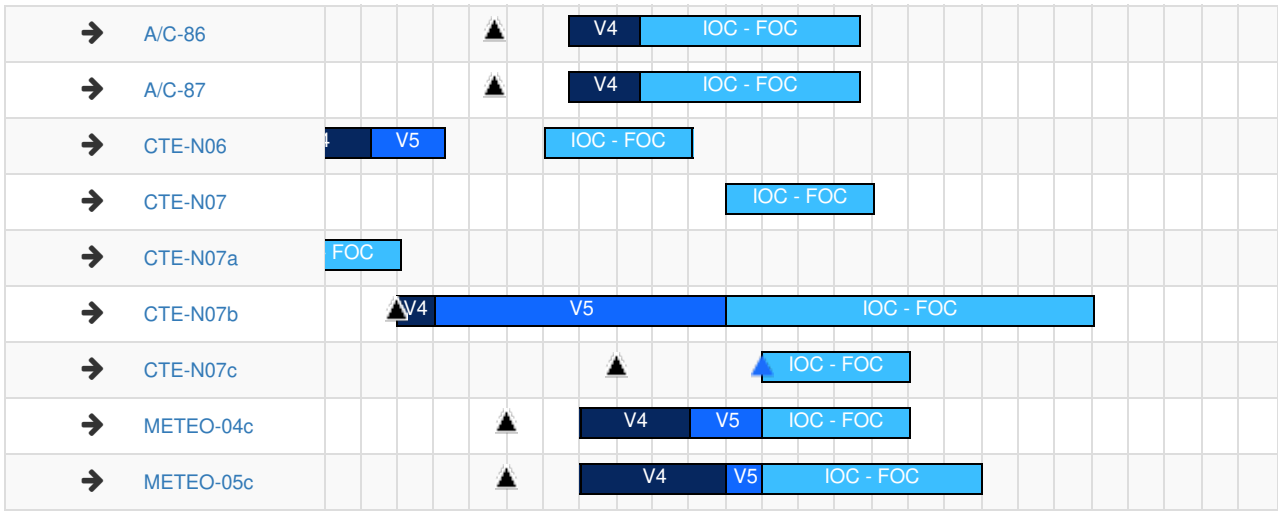

PCP Elements: No associated data

Implementation Objectives: No associated data

ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-WAKE	Increased Runway Throughput through Dynamic Wake Turbulence Separation	SOL OI PCP