



# AUO-0219 — Use of Enriched DCB Information and Enhanced What-ifs to Improve AU Flight Planning

Enriched DCB information will be available to improve AUs decision process when planning or re-planning trajectories. Enriched DCB information encompasses DCB constraints/measures information like ATFCM regulations/CTOT/STAM; and additional DCB information such as hotspots and congestion level indicators. Enriched DCB information is provided either for the trajectory planned by the AU as part of a submitted flight plan or for alternative trajectories considered in the context of advanced what-if. The information can be used in different use-cases: proactive management of fleet delays by AUs, CDM processes triggered by flow managers (e.g. STAM/Cherry picking measures). Enriched DCB information and advanced what-if functions will be accessible via SWIM services to enable full integration of flight planning and ATFCM information in AU systems and further automation of AU decisions related to flow management constraints.

Rationale -

Forecast V3 end date 31-12-2022

Benefits start date (IOC) 31-12-2027

Full benefits date (FOC) 31-12-2033

Current Maturity Level V1 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

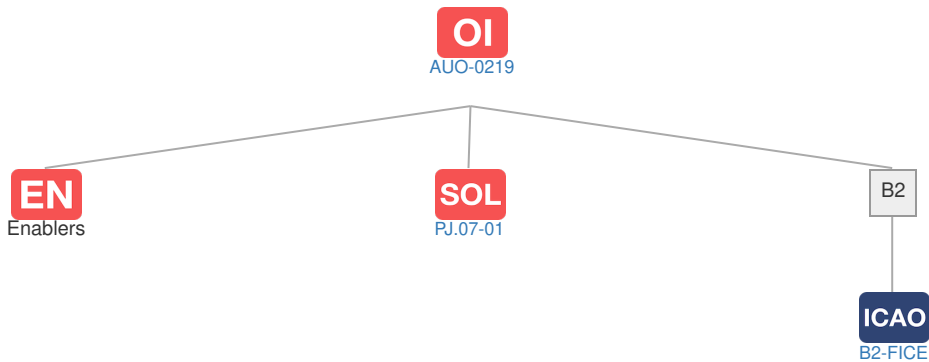
Scope -

Release -

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	
AUO-0219																											
🔒 AOC-ATM-24							▲			V4																	
🔒 AOC-ATM-26						▲				V4																	
🔒 HUM-019							▲	V5																			
🔒 SVC-006						▲				V4																	
🔒 SVC-007						▲				V4																	
🔒 SVC-011																											
🔒 SVC-012																											
🔒 SWIM-APS-19							▲	V4	V5																		
🔒 SWIM-APS-20						▲				V4																	
🔒 SWIM-APS-21						▲	V4	V5																			
🔒 SWIM-APS-22						▲				V4																	
🔒 SWIM-APS-23						▲				V4																	
🔒 SWIM-APS-24																											
🔒 SWIM-APS-25																											

**OI** Dependent OI Steps: No associated data

## SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.07-01	AU Processes for Trajectory Definition	SESAR 2020 Wave 1	<span>SOL</span> <span>PJ</span> <span>OI</span> <span>DS</span> <span>EOC</span> <span>ICAO</span>

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

## ICAO ICAO Block Modules

Designator	Title	Related Elements
B2		
B2-FICE	Improved Coordination through multi-centre Ground-Ground Integration: (FF-ICE, Step 1 and Flight Object, SWIM)	<span>SOL</span> <span>OI</span> <span>PCP</span>

