AO-0824 — Network-connected Regional Airports

The connectivity between regional airports and the NMOC is improved thanks to the provision of DPI messages based on target times and a reduced set of turnaround milestones compared to the full A-CDM implementation. The applicability to regional airports is reliant on the high degree of predictability of airport parameters including taxi-times, turnaround times and passenger boarding times. Ground handler workload is reduced as a result of automatic determination of the aircraft-ready time (TOBT) based on the status of the passenger boarding provided by the local airport system.
The expected benefits relate to Predictability, Flexibility and Efficiency for all airport stakeholders.

Rationale Currently the integration of airports into the ATM Network is achieved through either the A-CDM concept or the Advanced Tower concept.
A third category of airport (regional airports) is proposed where a reduced set of CDM milestones is implemented and calculated in a quasi-automatic fashion - reducing the need for Airline / Ground Handler inputs. Such an approach relies on the stability and predictability of taxi-times which is considered as feasible in such airports. This will be a way to simlifie the work needed to manually update CDM milestones, and also to enable the connection of regional airport to NMOC.

Forecast V3 end date 31-12-2022

Benefits start date (IOC) 31-12-2028

Full benefits date (FOC) 31-12-2032

Current Maturity Level V2 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

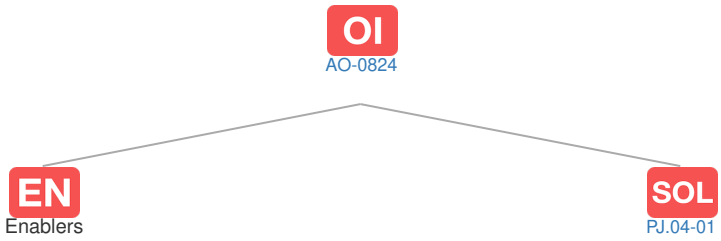
Scope -

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
AO-0824	
AIRPORT-03c	V4 V5 IOC - FOC
AIRPORT-38	V4 V5 IOC - FOC
AIRPORT-50	V4 V5 IOC - FOC
AOC-ATM-13	V4 IOC - FOC
HUM-014	V5 IOC - FOC
HUM-015	V5 IOC - FOC
HUM-016	V5 IOC - FOC
SWIM-APS-04a	V5 IOC - FOC

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	DCB-0304	Improved Integration of Regional Airports into the Network	SOL OI EN OBJ DS ICAO

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.04-01	Enhanced Collaborative Airport Performance Planning and Monitoring	SESAR 2020 Wave 1	SOL PJ OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data