



DCB-0211 — Traffic & Demand Forecast in 4D trajectory Management Context

The aim of this OI is to benefit from the shared iterative SB/MT development and provides enhanced and continuous Traffic/Demand Forecast services from long term planning to execution phases in 4D Trajectory Management context.

It includes the development of 4D trajectory based forecast methodology (build on 2D, 3D and 4D trajectory data provided by the AUs), operational workflows, and the appropriate infrastructure which provide European airspace planners and airspace users with a common and consistent picture of European air traffic demand that will meet their planning and monitoring needs.

It includes as well improved traffic predictability thanks to the elaboration of the probabilistic demand, the consideration of planned DCB measures and the consideration and processing of airspace users shared flight information (including a set of confidence indexes and their interpretation) in support of the traffic demand enrichment.

Rationale Enhanced Business Trajectory Forecast methodology (as an extension of DDR1 and DDR2) will provide a standardised confidence indicator and define common operational usage of 4D trajectories forecast resulting from various data sources including historical 4D trajectories, scheduled SBTs (2D, 3D, 4D Schedules) and RBTs. Furthermore, the incorporation of more accurate MET information will enhance the accuracy of traffic/Demand forecast.

Forecast V3 end date 31-12-2023

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level V1 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

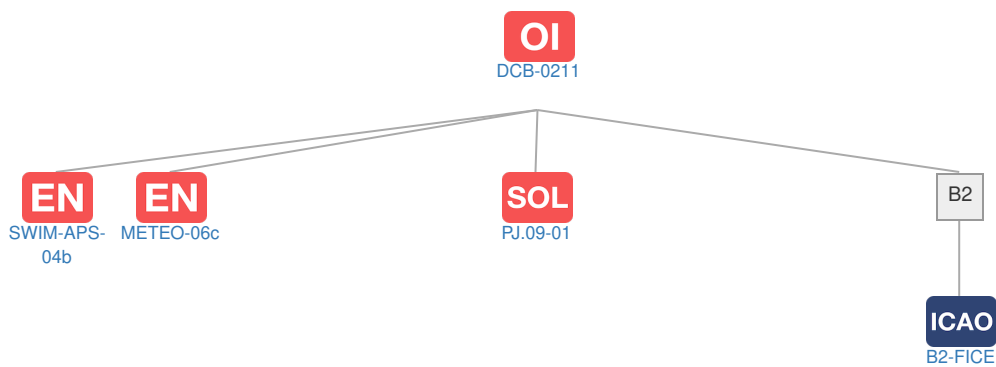
Scope -

Release 2020+

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	
DCB-0211																											
SWIM-APS-04b							▲																				
METEO-06c						▲		V4	V5	IOC - FOC																	

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	AUO-0203	EFPL in NM processes	

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ-09-01	Network Prediction and Performance	SESAR 2020 Wave 1	

PCP Elements: No associated data

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)	