



CM-0102-A — Dynamic Sectorisation based on complexity

This improvement relates to the management of airspace/route structure. The system provides support for decision making based on pre-defined sector sizing in order to pre-deconflict traffic and optimize use of controller work force.

Rationale Complexity in very busy airspace may be so high that it will not be possible to manage it with conventional ATC means; managing controllers' workload becomes crucial. One way of doing it is through this operational improvement: dynamic resizing and change of sector's shape and volume based on pre-defined airspace configurations contributes to equal distribution of workload throughout sectors in one centre/FAB and it could be done only through automated systems with continuously evaluate traffic complexity in the future and propose optimum sectorisation solutions. Taking into account the time horizon, several complexity indicators could be used for this optimization due to the available accuracy of the traffic demand (e.g. entry hourly rate, occupancy counts, workload).

Forecast V3 end date -

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level V3 finalised

Solution Data Quality Index -

Current Maturity Phase R&D Finalised

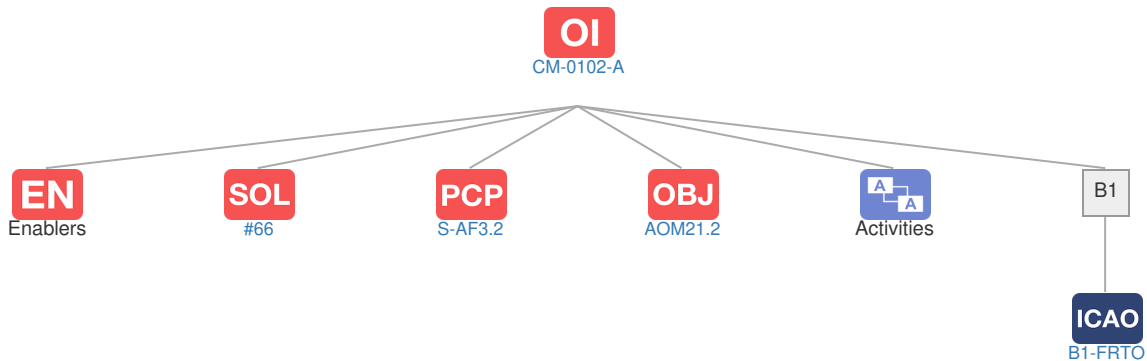
Scope Local

Release R2

PCP Status PCP

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										
CM-0102-A																																				
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➔ SWIM-APS-03a					▲	V4	V5																													
➔ SWIM-APS-04a				▲																																
➔ SWIM-INFR-05a				▲																																
➔ SWIM-NET-01a																																				
➔ SWIM-SUPT-01a																																				
➔ SWIM-SUPT-03a																																				
➔ SWIM-SUPT-05a																																				

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has successor	AOM-0807	Dynamic Management of Sectors in Terminal Airspace	OI EN
Has successor	CM-0102-B	Dynamic Airspace Management based on complexity	SOL OI EN DS

SOL SESAR Solutions

Code	Title	Program	Related Elements
#66	Automated Support for Dynamic Sectorisation	SESAR1	SOL OI OBJ DS EOC PCP ICAO

PCP PCP Elements

Code	Title	Related Elements
S-AF3.2	Free Route	SOL OI EN OBJ ICAO

Implementation Objectives

Code	Title	Related Elements
AOM21.2	Free Route Airspace	     

ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-FRTO	Improved Operations through Optimized ATS Routing	