



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

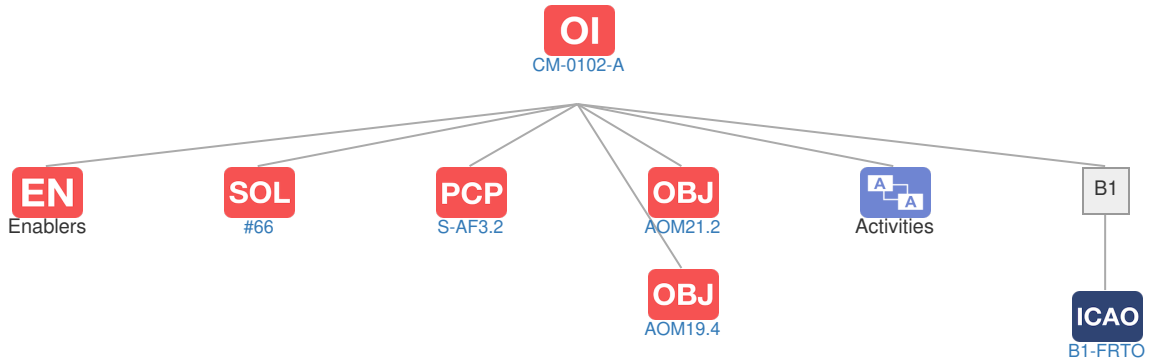
Scope Local

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🔒 CTE-C05a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🔒 CTE-C05b | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🔒 ER APP ATC 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ ER APP ATC 93 | | ▲ | ▲ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-APS-03a | | | | ▲ | | V4 | V5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-APS-04a | | | | ▲ | | | | V5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-INFR-05a | | | | ▲ | | V4 | V5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ SWIM-NET-01a | | | | | | V4 | V5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ 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 |

OBJ Implementation Objectives

| Code | Title | Related Elements |
|---------|--|--|
| AOM21.2 | Initial Free Route Airspace |       |
| AOM19.4 | Management of Predefined Airspace Configurations |    |

ICAO ICAO Block Modules

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