



# CM-0104-A — Automated Controller Support for Trajectory Management during the planning phase

*Automated tools support the ATC team in identifying, assessing and resolving local complexity situations through evaluation of opportunities to de-conflict or to synchronize trajectories during the planning phase.*

**Rationale** Trajectory prediction and deconfliction for: the Extended ATC Planning and ATC planning role to manage the ATC team's workload by minimising traffic situations with the potential for unforeseen high complexity, through strategic deconfliction and reduction of number of potential conflicts. Providing support to the control team level of operation will improve situational awareness and provide solutions harmonised with the previous LTM level of planning to better manage traffic, e.g. interaction with trajectories in terms of level/ speed etc. The tools will operate, up to circa 30 mins before sector entry. The tools that assist in resolving complexity issues may include a 'What-if' capability where resolution strategies can be trialled before implementation and may provide assistance in identifying the trajectory or trajectories that are causing the most complexity, through interactions or application of sequencing measures or other constraints.

**Forecast V3 end date** 31-12-2016

**Benefits start date (IOC)** 31-12-2023

**Full benefits date (FOC)** 31-12-2027

**Current Maturity Level** V3 finalised

**Solution Data Quality Index** -

**Current Maturity Phase** R&D Finalised

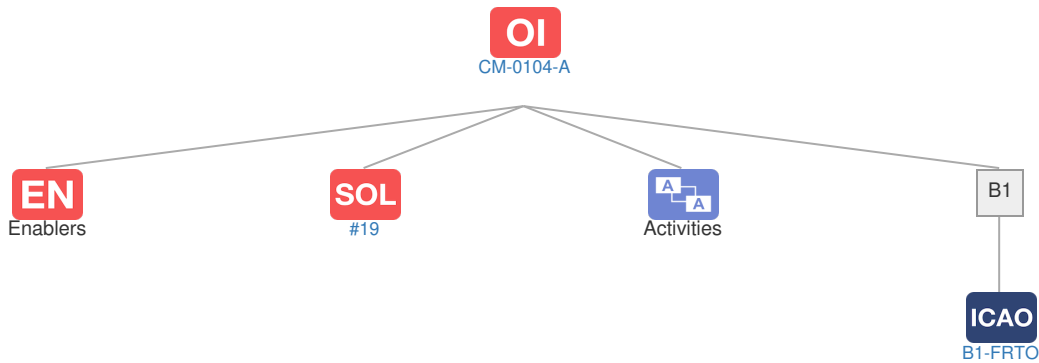
**Scope** Synchronised

**Release** R5

**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	
CM-0104-A																											
ER ATC 92			▲			V4	V5	IOC - FOC																			
PRO-220a		▲	▲			IOC - FOC																					
PRO-220b			▲	V5		IOC - FOC																					
A/C-37a		4								IOC - FOC																	
ER APP ATC 82					▲		V4	V5	IOC - FOC																		
ER APP ATC 162			▲			V4	V5	IOC - FOC																			

## OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	CM-0103-A	Automated Support for Traffic Complexity Assessment	SOL OI EN OBJ DS PCP ICAO
Has successor	CM-0104-B	Automated support to INAP (Integrated Network Management and Extended ATC Planning) function	SOL OI EN DS

## SOL SESAR Solutions

Code	Title	Program	Related Elements
#19	Automated support for Traffic Complexity Detection and Resolution	SESAR1	SOL OI OBJ DS EOC PCP ICAO

PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

## ICAO ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-FRTO	Improved Operations through Optimized ATS Routing	SOL OI OBJ PCP