



CM-0604 — Separation Management using RBTs with 3D RNP Specifications

The RBT is a 'precision trajectory' in that it may include required navigational performances associated to the Pre-defined or User-preferred routes of RBT. In performance based operations, this includes 3D RNP specifications on specified points to ensure de-confliction of 3D trajectories. The RBT may be revised using additional or amended 3D routes/waypoints to ensure separation in execution phase; ATC clearances are included as part of the RBT Revision process.

User-preferred Trajectories/Revisions may include non-published waypoints that are computed by Ground tools (ideally using information from the airborne system) and defined in lat/long or bearing/range.

Longitudinal separation is provided by ATC to complement the 3D route (based on a User-preferred Trajectory). This may be achieved through surveillance based separation and/or the dynamic application of constraints. New support tools and procedures and working methods have to be put in place. This mode relies of aircraft capabilities enabling the vertical containment of the trajectory (3D tube) and less of ATC tactical operations. CONOPS.2.6.2.3.1

Rationale The goal is to enable controllers, supported by conflict prediction and resolution tools and conformance and intent monitoring, to manage a significant increase in traffic while keeping total task load at acceptable levels.

Forecast V3 end date -

Benefits start date (IOC) 20-04-2026

Full benefits date (FOC) 31-12-2031

Current Maturity Level -

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													
CM-0604																																							
A/C-31c																																							
A/C-34																																							
ER APP ATC 91																																							
PRO-128c																																							
PRO-160																																							
PRO-161																																							
A/C-04a																																							

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has successor	CM-0501	4D Contract for Equipped Aircraft with Extended Clearance PTC-4D	

SESAR Solutions: No associated data

PCP Elements: No associated data

Implementation Objectives: No associated data

ICAO Block Modules: No associated data