



# CM-0209-b — Conflict Detection and Resolution in En-Route using aircraft data in Predefined and User Preferred Routes environments

*The system provides real-time assistance to the En-route controllers in conflict detection and resolution using enhanced ground predicted trajectory through the use of aircraft derived data (including A/C trajectory data as defined in ATN B2 standards) in Predefined or User Preferred Routes environments and provides resolution support information based upon predicted conflict detection and associated monitoring features.*

**Rationale** The objective is to provide the controller (Planner or Tactical) with Conflict Detection and Resolution tools using more accurate parameter settings and based on enhanced ground predicted trajectory through the use of improved and/or additional relevant data (e.g. extended flight plan data, Aircraft trajectory data downlinked via ADS-C, Aircraft data downlinked via ADS-B, met data). Improved and/or additional relevant trajectory data may be made available via extended flight plans, ground/ground IOP capabilities, air/ground datalink exchanges.

**Forecast V3 end date** 30-12-2022

**Benefits start date (IOC)** 30-12-2029

**Full benefits date (FOC)** 30-12-2033

**Current Maturity Level** V2

**Solution Data Quality Index** -

**Current Maturity Phase** -

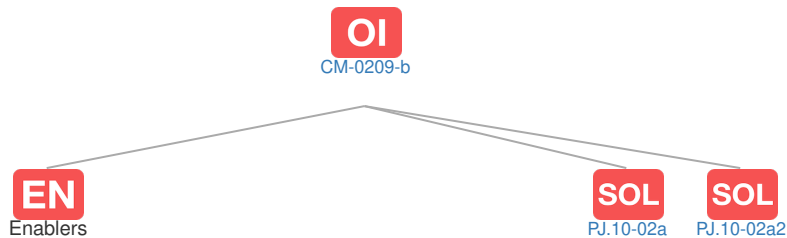
**Scope** -

**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-0209-b																											
🔒 A/C-37a		4																									
🔒 A/C-48a			FOC																								
🔒 ER APP ATC 100					▲	V4	V5	IOC - FOC																			
🔒 ER APP ATC 104b								▲				V4	V5	IOC - FOC													
➔ ER APP ATC 82					▲					V4	V5	IOC - FOC															
➔ ER APP ATC 149a			▲							V4	V5	IOC - FOC															
➔ ER APP ATC 160			▲							V4	V5	IOC - FOC															

## OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	CM-0205	Advanced support for Conflict Detection and Resolution by Tactical Controller in En Route	SOL OI EN DS ICAO ALTA
Has predecessor	CM-0211	Advanced Support for Conflict Detection and Resolution for ATC planning in En Route	SOL OI EN DS

## SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.10-02a	Improved Performance in the Provision of Separation	SESAR 2020 Wave 1	SOL PJ OI ICAO
PJ.10-02a2	Improved performance in the provision of separation with use of ADS-C/EPP data	SESAR 2020 Wave 1	PJ OI DS EOC

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

**ICAO** ICAO Block Modules: No associated data