



CM-0211 — Advanced Support for Conflict Detection and Resolution for ATC planning in En Route

The system provides real-time assistance to the En route ATC Planning in conflict detection and resolution. It is based on new approaches that enhance and refine the existing tools yielding more efficient and usable services.

Rationale In order to provide more efficient automated Conflict Detection and Resolution tools compared to the existing ones, the proposed CD aids are based on innovative approaches or comprise enhanced or new functionalities.

Enhanced or new functionalities of CD aid to ATC Planning may comprise:

- Improved What If probing showing conflicts that occur if a given clearance is applied
- Improved What Else function that proposes alternative trajectory and FL changes to the ATCOs
- Integrated Coordination provides an automatic assessment of certain types of traffic offered to the sector at the entry boundary.
- Conflict Risk Display which constantly displays a complete list of conflicts including:
- Coordination Context Risks (CCRs) which shows planning encounters when the encounter is predicted to be within Area of Responsibility (AoR);
- Interest Context Risks (ICRs) which shows planning encounters with one or more flights in the Area of Interest (AoI)

Forecast V3 end date -

Benefits start date (IOC) -

Full benefits date (FOC) -

Current Maturity Level V2

Solution Data Quality Index -

Current Maturity Phase -

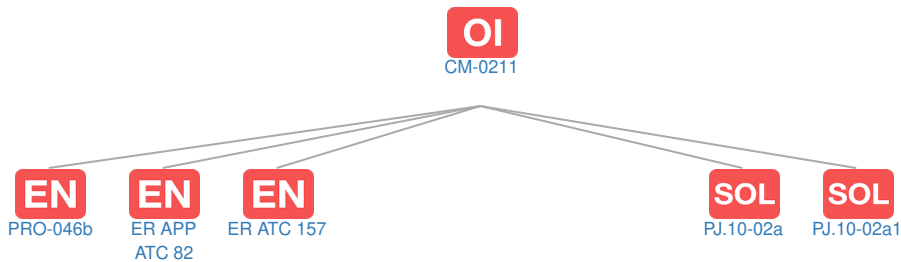
Scope -

Release 2020

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-0211																														
PRO-046b																														
ER APP ATC 82										V4	V5	IOC - FOC																		
ER ATC 157																														

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	CM-0202	Automated Assistance to ATC Planning for Preventing Conflicts in En-Route Airspace	SOL OI EN OBJ DS
Has successor	CM-0209	Conflict Detection and Resolution in En-Route using enhanced ground predicted trajectory in Predefined and User Preferred Routes environments	SOL OI EN DS ICAO
Has successor	CM-0209-b	Conflict Detection and Resolution in En-Route using aircraft data in Predefined and User Preferred Routes environments	SOL OI EN DS
Has successor	CM-0407	Enhanced Conflict Detection and Resolution 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.10-02a1	Improved performance in the provision of separation without use of ADS-C/EPP data	SESAR 2020 Wave 1	PJ OI DS EOC ICAO

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data