



Solution PJ.09-01 — Network Prediction and Performance

Network Prediction and Performance relies on shared situational awareness with respect to demand, capacity and performance and has an impact on regional, sub-regional and local demand and capacity balancing (DCB) processes. It consists of improved traffic and demand forecast based on SBT and the computation of confidence indexes. Prediction of DCB constraints and complexity issues will be based on the definition of metrics and algorithms for prediction, detection and assessment of traffic complexity, thus improving the accuracy and credibility of the diagnosis and awareness of hotspots. Network Operations will be monitored through Network Performance KPA/KPI while a Network impact assessment will analyse trade-offs and facilitate collaborative decision making processes.

Program SESAR 2020 Wave 1

Need for coordination Network

Related to [Solution #19](#), [Solution #46](#), [Solution PJ.07-01](#), [Solution PJ.07-02](#), [Solution PJ.08-01](#), [Solution PJ.08-02](#), [Solution PJ.09-02](#), [Solution PJ.10-01b](#)

Date V1 Gate -

Date V2 Gate -

Date V3 Gate -

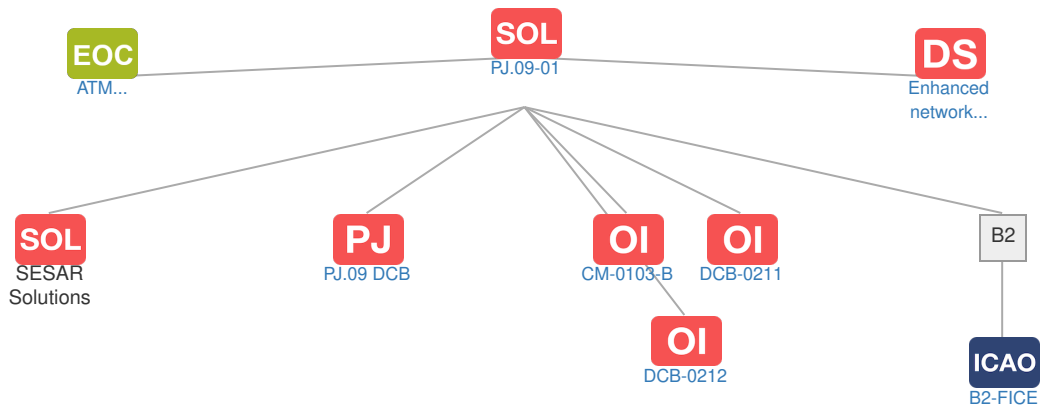
Deployment Start Date 31-12-2017


Benefits Start Date (IOC) 31-12-2018

Full Benefit Date (FOC) 06-07-2024

Context

Related Elements








 Operating Environments: No associated data

 Phases: No associated data

PJ SESAR Projects

Code	Title	Related Elements
PJ.09 DCB	Advanced Demand and Capacity Balancing	SOL

OI Operational Improvement Steps / Enablers

Code	Dates	Solution Data Quality Index : -																										
		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	
PJ.09-01																												
CM-0103-B																												
 AOC-ATM-20																												
 NIMS-36																												
 SWIM-APS-07b																												
DCB-0211																												
 SWIM-APS-04b																												
 METEO-06c																												
DCB-0212																												
 NIMS-22																												
 SWIM-APS-03b																												
 SWIM-APS-04b																												
 METEO-06c																												

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules

Designator	Title	Related Elements
B2		
B2-FICE	Improved Coordination through multi-centre Ground-Ground Integration: (FF-ICE, Step 1 and Flight Object, SWIM)	SOL OI PCP

