



SDM-0216 — Improved ATC procedures based on enhanced G/G data sharing among ATC centres and NM

Improved trajectory management including revision through improved procedures and automated support to enhanced ATC operations and Collaborative Decision Making based on G/G trajectory data sharing among ATC units (including ENR, APP and Airport ATC) and Network Management leading to improved ATM operations . The sharing of common trajectory data (including information contained in the EPP) among ATC centres and NM supports the collaborative decision making on the extended (INAP) tactical/coordination horizon. Additional and enhanced procedures and automated support to negotiate and modify trajectories across borders with longer planning horizon provide for increased predictability and greater flexibility in the management of sector and ATC centres sequence, allowing better allocation of flight to controllers based on workload and traffic patterns.

Rationale This OI corresponds to IOP including elements beyond the basic IOP like sharing of the trajectory information with the NM. It covers ENR-ENR, TMA and NM. The enhanced procedures and automated support will enable all ATC actors involved in the trajectory management process to work on a common Flight Script first initiated by NM in accordance with FF-ICE /1, but in longer planning horizon and with increased positive impact mainly on KPA related to cost efficiency and predictability. This sharing will offer the same flexibility across National Borders as within ATC center.

Forecast V3 end date 31-12-2023

Benefits start date (IOC) 31-12-2024

Full benefits date (FOC) 31-12-2030

Current Maturity Level V2

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													
SDM-0216																																							
🔒 ATC-STD-01				▲																																			
🔒 ER APP ATC 160			▲			V4	V5	IOC - FOC																															
🔒 ER APP ATC 162			▲			V4	V5	IOC - FOC																															
🔒 REG-0401				▲																																			
🔒 SWIM-APS-05a		▲			V4	V5	IOC - FOC																																
🔒 SWIM-APS-05b		▲					V4	V5	IOC - FOC																														
🔒 SWIM-INFR-01a	▲	V4	V5						▲																														

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.18-02b	Flight Object Interoperability (FO IOP)	SESAR 2020 Wave 1	OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data