



POI-0002-SDM — Supporting rationalisation of infrastructure by using the Virtual Centre concept

A virtual centre is a single Air Traffic Service Unit (ATSU) or a grouping of collaborative ATSUs using data services provided by ATM Data Service Provider (ADSP). The concept provides, at least, geographical decoupling between ADSP(s) and some ATSU(s), through service interfaces defined in Service Level Agreements. One ATSU may use data services from multiple ADSPs, just as an ADSP may serve multiple ATSUs.

Rationale By using standardised operating methods, procedures and technical equipment, a Virtual Centre would be perceived as a unique system from the consumer’s perspective, rather than the current fragmented situation. The range and QoS of the ATS provided shall be the same as now, or even enhanced.

It is important to state that no physical consolidation of ATSU facilities is foreseen, since the target is to achieve a virtual defragmentation, ensuring complete operational and technical interoperability between all stakeholders.

Arrangements between providers shall support a complete operational and technical interoperability. ATSUs are therefore responsible for the collection and sharing of any data/information related to the provision of ATS (e.g. airspace situation, flight plan, surveillance data...) with the Virtual Centre.

Forecast V3 end date 31-12-2019

Benefits start date (IOC) 31-12-2029

Full benefits date (FOC) 31-12-2038

Current Maturity Level V2

Solution Data Quality Index -

Current Maturity Phase R&D

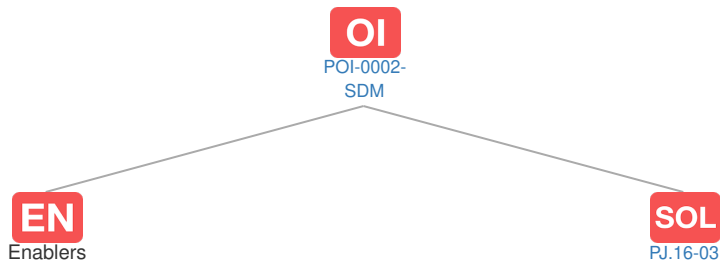
Scope -

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	
POI-0002-SDM																											
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🔒 ER APP ATC 185									▲			V4	V5														
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🔒 SVC-008					▲		V4	V5																			
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🔒 SVC-034					▲		V4	V5																			

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.16-03	Enabling rationalisation of infrastructure using virtual centre based technology	SESAR 2020 Wave 1	PJ OI DS EOC

PCP PCP Elements: No associated data



Implementation Objectives: No associated data



ICAO Block Modules: No associated data