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

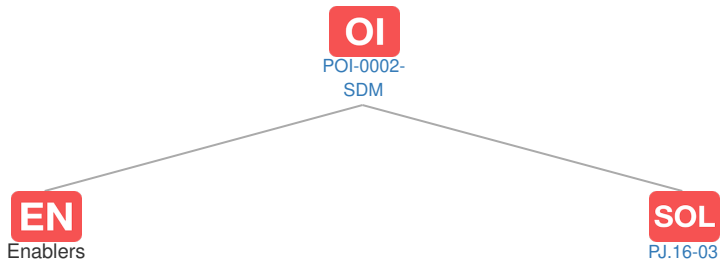
Scope -

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	
ER APP ATC 184	V4 V5 IOC - FOC
ER APP ATC 185	V4 V5 IOC - FOC
ER APP ATC 186	V4 V5 IOC - FOC
SVC-008	V4 V5 IOC - FOC
SVC-009	V4 V5 IOC - FOC
SVC-010	V4 V5 IOC - FOC
SVC-013	V4 V5 IOC - FOC
SVC-014	V4 V5 IOC - FOC
SVC-015	V4 V5 IOC - FOC
SVC-016	V4 V5 IOC - FOC
SVC-017	V4 V5 IOC - FOC
SVC-018	V4 V5 IOC - FOC
SVC-019	V4 V5 IOC - FOC
SVC-020	V4 V5 IOC - FOC
SVC-021	V4 V5 IOC - FOC
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SVC-025	V4 V5 IOC - FOC
SVC-028	V4 V5 IOC - FOC
SVC-031	V4 V5 IOC - FOC
SVC-032	V4 V5 IOC - FOC
SVC-033	V4 V5 IOC - FOC
SVC-034	V4 V5 IOC - FOC

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

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data