SDM-0406 — Aeronautical Digital Map Common Service (Business Improvement)

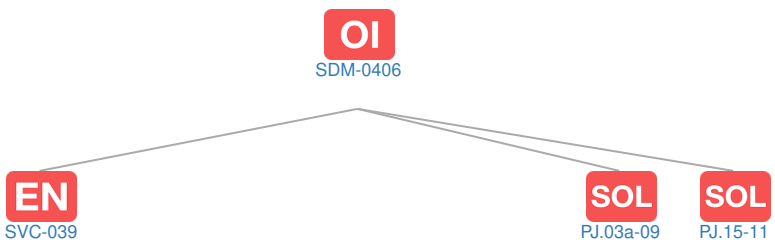
The concept of Common Services (COSER) aims at addressing the high costs caused by European ATM fragmentation, by sharing common capabilities and offer it to different interested consumers in order to reduce the costs of ATM provision. The Common Service can be provided at different levels, ranging from local to sub regional level, depending on the underlying business model.

The function of the Aeronautical Digital Map Common Service is to provide digital maps for usage in Tower and Centre ATS System components like SDD, Safety Nets, as well for simulation systems and other systems using digital geographical maps.
The maps can be tailored in terms of geographical coverage, contained features, display attributes, individual structures of layers and digital format (e.g. GML).
The scope of the service is linked to the two elements already existing in EATMA:
¿ The Service ¿Aeronautical Information Map¿.
¿ ¿Aeronautical information exchange¿ on iSWIM over the yellow profile as requested in the PCP Sub-Functionality AF5.3.

Rationale	The Aeronautical Digital Map Service collects aeronautical data from authorised sources, filters them and produces individual map graphics depending on the specific usages as geographical are or system functionality. In this sense, configuration management tools should be implemented to better satisfy the consumer requirements. The Aeronautical Digital Map Service develops a map service that on the basis of a data set (as the one expected to be provided by Static Aeronautical Data Common Service), is able to produce "on demand" digital maps. The service shall allow configuration both data to be included in the map, both map styles and formats in order to better satisfy consumer requirements. Regarding the regulatory aspects, ADQ1 applies for raw data upstream for production of digital maps. No other certification issues are foreseen besides QM.
Forecast V3 end date	30-09-2019
Benefits start date (IOC)	20-12-2025
Full benefits date (FOC)	20-12-2029
Current Maturity Level	V1
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-0406	
SVC-039	V4 V5 IOC - FOC

OI Dependent OI Steps

Relationship	Code	Title	Related Elements
Has predecessor	IS-0204	Facilitated Aeronautical Data Exchanges through Digitalised/Electronic Information	OI EN OBJ ICAO
Has predecessor	IS-0901-A	SWIM for sharing G/G data, traffic flow management information and aeronautical information	SOL OI EN OBJ DS PCP ICAO

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.03a-09	Surface operations by RPAS	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.15-11	Aeronautical Digital Map Service	SESAR 2020 Wave 1	SOL PJ OI DS EOC

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data