



# IS-0901-A — SWIM for sharing G/G data, traffic flow management information and aeronautical information

SWIM for sharing G/G data, traffic flow management information and aeronautical information includes the provision of the following capabilities:

- Ground-ground flight coordination and transfer functions between en-route systems based on ED-133 flight object concept (ATC 2 ATC profile).

- Business to Business services to share traffic flow management information (including the capability to fill and validate flight plans) between the Regional NM / AM and APOC, FOC (CFMU B2B Profile)

- Business to Business services to share Aeronautical information between the EAD (as part of Regional NM / AM) and ER-APP-ATC, Airport Airside Operations, FOC/WOC (EAD B2B Profile ).

Swim for sharing G/G data, traffic flow management information and aeronautical information also includes the provision of new information exchange standards.

The three profiles will still use their own infrastructures (supervision, security, ..), they are not interoperable

Rationale -

Forecast V3 end date -

Benefits start date (IOC) 31-12-2023

Full benefits date (FOC) 31-12-2029

Current Maturity Level V3 finalised

Solution Data Quality Index -

Current Maturity Phase R&D

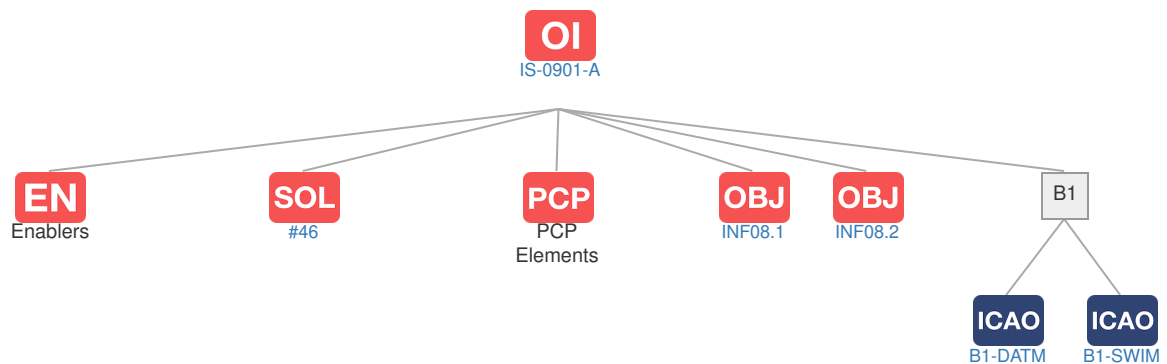
Scope -

Release R5

PCP Status PCP

## 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																												
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## 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 successor	IS-0901-B	SWIM Infrastructure for G/G data sharing and initial A/G Data sharing	SOL OI EN DS ICAO
Has successor	SDM-0405	Static Aeronautical Data Common Service (Business Improvement)	SOL OI DS
Has successor	SDM-0406	Aeronautical Digital Map Common Service (Business Improvement)	SOL OI EN DS

## SOL SESAR Solutions

Code	Title	Program	Related Elements
#46	SWIM Yellow Profile	SESAR1	SOL OI OBJ DS EOC PCP ICAO

## PCP PCP Elements

Code	Title	Related Elements
S-AF5.1	Common infrastructure components	SOL OI EN OBJ ICAO
S-AF5.2	SWIM Technical Infrastructure and Profiles	SOL OI EN OBJ ICAO
S-AF5.3	Aeronautical information exchange	SOL OI EN OBJ ICAO
S-AF5.4	Meteorological information exchange	SOL OI EN OBJ ICAO
S-AF5.5	Cooperative network information exchange	SOL OI EN OBJ ICAO
S-AF5.6	Flight information exchange	SOL OI EN OBJ ICAO

## OBJ Implementation Objectives

Code	Title	Related Elements
INF08.1	Information Exchanges using the SWIM Yellow TI Profile	STK SOL OI PCP ICAO
INF08.2	Information Exchanges using the SWIM Blue TI Profile	STK SOL OI PCP ICAO



## ICAO Block Modules

Designator	Title	Related Elements
B1		
B1-DATM	Service Improvement through Integration of all Digital ATM Information	SOL OI OBJ PCP
B1-SWIM	Performance Improvement through the application of System Wide Information Management (SWIM)	SOL OI OBJ PCP