



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

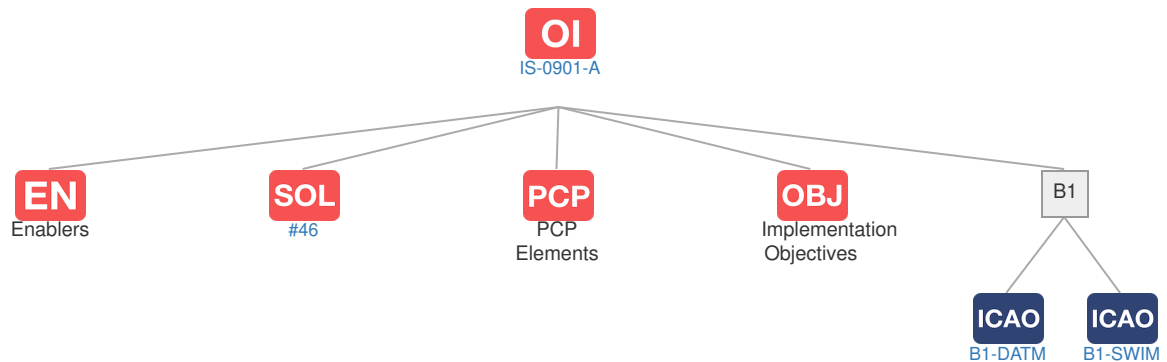
Scope -

Release R5

PCP Status PCP

Context

Related Elements



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
INF10.4	Aeronautical Information Exchange - Airspace Availability Service	
INF10.2	Stakeholders' SWIM PKI and cyber security	
INF10.7	Aeronautical Information Exchange - Aerodrome mapping service	
INF10.14	Cooperative Network Information Exchange – Flight Management Service (Slots and NOP/AOP integration)	
INF10.3	Aeronautical Information Exchange - Airspace structure service	
INF10.11	Meteorological Information Exchange - En-Route and Approach Meteorological information service	
INF10.12	Meteorological Information Exchange - Network Meteorological Information	
INF10.10	Meteorological Information Exchange - Aerodrome Meteorological information Service	
INF10.13	Cooperative Network Information Exchange - ATFCM Tactical Updates Service (Airport Capacity and Enroute)	
INF10.9	Meteorological Information Exchange - Volcanic Ash Mass Concentration information service	
INF10.16	Cooperative Network Information Exchange - Short Term ATFCM Measures services (MCDM, eHelpdesk, STAM measures)	
INF10.6	Aeronautical Information Exchange – Digital NOTAM service	
INF10.8	Aeronautical Information Exchange - Aeronautical Information Features service	
INF10.17	Cooperative Network Information Exchange – Counts service (ATFCM Congestion Points)	
INF10.5	Aeronautical Information Exchange - Airspace Reservation (ARES)	
INF10.15	Cooperative Network Information Exchange – Measures Service (Traffic Regulation)	

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