

System wide information management (SWIM) concerns the development of services for information exchange. SWIM comprises standards, infrastructure and governance enabling the management of information and its exchange between operational stakeholders via interoperable services. Initial system wide information management (iSWIM) supports information exchanges that are built on standards and delivered through an internet protocol (IP)-based network by SWIM enabled systems. It consists of:

- Common infrastructure components;
- SWIM technical infrastructure and profiles;
- Aeronautical information exchange;
- Meteorological information exchange;
- Cooperative network information exchange;
- Flight information exchange.

The scope of this objective is addressing the exchange of flight information related to the flight object using the blue SWIM Technical Infrastructure Profile, as defined in the Annex 5.1.6 of the PCP Regulation No 716/2014.

The objective assumes the availability of SWIM Governance (as addressed by Family 5.1.3 of Deployment Programme 2016) and is without prejudice to the evolution and establishment of this Governance as addressed in the Action Plan currently under development. This evolution may imply changes to the objective in the subsequent editions of the Plan.

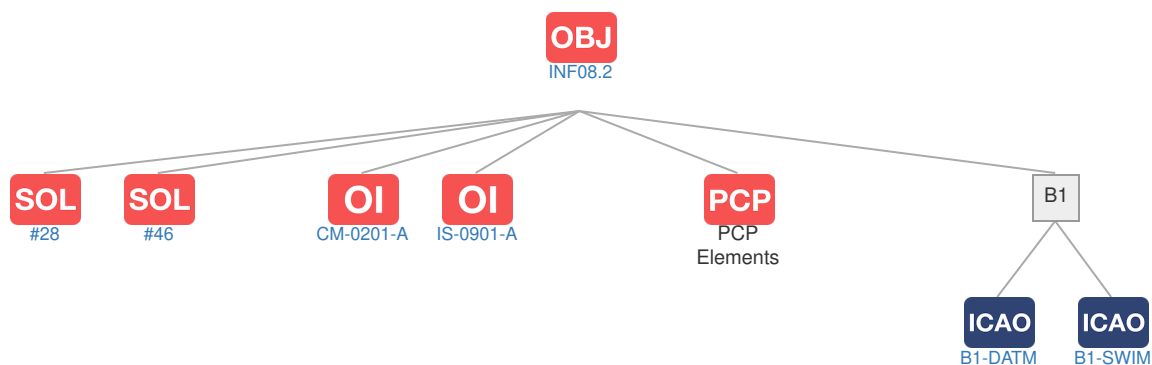
NOTE: This is an "Initial" objective to provide advance notice to stakeholders. Some aspects of the objective require further validation.

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Edition	2022
Stakeholders	Air Navigation Service Provider / Network Manager
Type	PCP
Scope	EU+
Status	Removed

Context

Related Elements



Applicability Area(s) and Timescales

Applicability Area: All ECAC States except: Armenia, Azerbaijan, Türkiye, Ukraine

Timescales	From	By	Applicable to
Initial operational capability	01-06-2018	-	Applicability Area
Full operational capability	-	01-01-2027	Applicability Area

Links to ATM Master Plan Level 2

OI Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
CM-0201-A	Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue through improved trajectory data sharing	31-12-2023	31-12-2027	SOL OI EN OBJ DS PCP ICAO A-A
IS-0901-A	SWIM for sharing G/G data, traffic flow management information and aeronautical information	31-12-2023	31-12-2029	SOL OI EN OBJ DS PCP ICAO

SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
#28	Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue through improved trajectory data sharing	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#46	SWIM Yellow Profile	SESAR1	SOL OI OBJ DS EOC PCP ICAO

PCP Links to PCP ATM Sub-Functionalities

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

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

References

Applicable legislation

Regulation (EU) No 716/2014 on the establishment of the Pilot Common Project

Applicable ICAO Annexes and other references

None

Deployment Programme 2022

-

Operating Environments

Airport

Terminal Airspace

En-Route

Network

Expected Performance Benefits

Safety	-
Capacity	-
Operational efficiency	-
Cost efficiency	-
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Implement the appropriate infrastructure components in accordance with the SWIM TI Blue Profile	01-06-2018	01-01-2027	EN
ASP02	Implement Flight information exchanges	01-06-2018	01-01-2027	EN
NM01	Implement the appropriate infrastructure components in accordance with the SWIM TI Blue Profile	01-06-2018	01-01-2027	EN
NM02	Implement Flight information exchanges	01-06-2018	01-01-2027	EN

Supporting Material

Title	Related SLoAs
EUROCONTROL - SPEC-168 - EUROCONTROL Specification for SWIM Service Description - Edition 1.0 / 12/2017 https://www.eurocontrol.int/publication/eurocontrol-specifications-system-wide-information-management-swim	ASP02, NM02
EUROCONTROL - SPEC-169 - EUROCONTROL Specification for SWIM Information Definition - 1.0 / 12/2017 https://www.eurocontrol.int/publication/eurocontrol-specifications-system-wide-information-management-swim	ASP02, NM02

Consultation & Approval

Working Arrangement in charge	AIM / SWIM
Outline description approved in	-
Latest objective review at expert level	05/2016
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	09/2016
Latest change to objective approved/endorsed in	-