

INF08.2 — Information Exchanges using the SWIM Blue TI Profile

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.

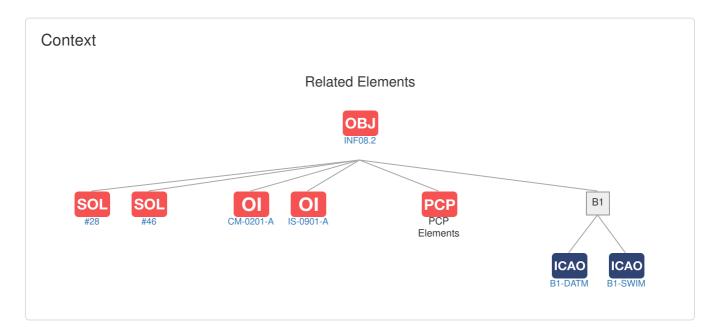
NOTE: This is an "Initial" objective to provide advance notice to stakeholders. Some aspects of the objective require further validation.

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



Applicability Area(s) and Timescales

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

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

Source: European ATM Portal - Report produced: 19-04-2024 - Date refresh: 28-09-2023

EATMA data version: EATMA V12.1 - ATM Master Plan data set version: Dataset 19 Public - MP L3 Edition: MP L3 Plan 2022

Links to ATM Master Plan Level 2 Ol Operational Improvment Steps Code Title IOC FOC **Related Elements** Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue through improved CM-0201-A 31-12-2027 31-12-2023 SOL OI EN OBJ trajectory data sharing SWIM for sharing G/G data, traffic flow management information and aeronautical information IS-0901-A 31-12-2023 31-12-2029

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

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

ICAO Block Modules				
Design	ator	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	

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EATMA data version: EATMA V12.1 - ATM Master Plan data set version: Dataset 19 Public - MP L3 Edition: MP L3 Plan 2022

DS PCP ICAO

References

Applicable legislation

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

Applicable ICAO Annexes and other references

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	Ву	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

Source: European ATM Portal - Report produced: 19-04-2024 - Date refresh: 28-09-2023 EATMA data version: EATMA V12.1 - ATM Master Plan data set version: Dataset 19 Public - MP L3 Edition: MP L3 Plan 2022

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

Source: European ATM Portal - Report produced: 19-04-2024 - Date refresh: 28-09-2023

EATMA data version: EATMA V12.1 - ATM Master Plan data set version: Dataset 19 Public - MP L3 Edition: MP L3 Plan 2022