



INF08.1 — Information Exchanges using the SWIM Yellow TI Profile

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) is the first element towards SWIM and supports the information exchange based on services that are in conformance with the applicable foundational SWIM specifications. These information services will be delivered over internet protocol (IP)-based networks supported by Common Infrastructure Components (i.e. SWIM Registry and Public Key Infrastructure (PKI)). The applicable foundational SWIM specifications are:

- EUROCONTROL Specification for SWIM Service Description
- EUROCONTROL Specification for SWIM Information Definition
- EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile

This implementation objective is limited to the provision or consumption of information services allowing the information exchanges identified in the Annex of the PCP Regulation No 716/2014, and adhering to the foundational SWIM specification (Information services description, Information definition, Technical infrastructure - Yellow Profile). The information exchanges are in the areas of:

- Aeronautical information exchange;
- Meteorological information exchange;
- Cooperative network information exchange;
- Flight information exchange

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	2019
Stakeholders	Air Navigation Service Provider / Military / Airport Operator / Airspace Users / Network Manager
Type	PCP
Scope	ECAC+
Status	Active

Context

Related Elements



Applicability Area(s) and Timescales

Applicability Area 1:	All EU SES States <i>(As specified in PCP Appendix, Para 5.2)</i>
Applicability Area 2:	Albania, Armenia, Azerbaijan, Bosnia and Herzegovina, Georgia, Israel, Moldova, Montenegro, North Macedonia, Serbia, Turkey, Ukraine

Timescales	From	By	Applicable to
Initial operational capability	01-01-2018	-	Applicability Area 1
Full operational capability	-	31-12-2024	Applicability Area 1

Links to ATM Master Plan Level 2

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SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

PCP Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO ICAO Block Modules: No associated data

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 2019

Family 5.1.3 - Common SWIM Infrastructure Components

Family 5.1.4 - Common SWIM PKI and Cybersecurity

Family 5.2.1 - Stakeholders Internet Protocol Compliance

Family 5.2.2 - Stakeholders SWIM Infrastructure Components

Family 5.2.3 - Stakeholders SWIM PKI and Cybersecurity

Family 5.3.1 - Upgrade/Implement Aeronautical Information Exchange System/Service

Family 5.4.1 - Upgrade/Implement Meteorological Information Exchange System/Service

Family 5.5.1 - Upgrade/Implement Cooperative Network Information Exchange System/Service

Family 5.6.1 - Upgrade/Implement Flight Information Exchange System/Service supported by Yellow Profile

Operating Environments

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Expected Performance Benefits

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

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Implement Aeronautical information exchanges	01-01-2018	31-12-2024	
ASP02	Implement Meteorological Information exchanges	01-01-2018	31-12-2024	
ASP03	Implement Cooperative Network information exchanges	01-01-2018	31-12-2024	
ASP04	Implement Flight Information exchanges	01-01-2018	31-12-2024	
MIL01	Implement Aeronautical information exchanges	01-01-2018	31-12-2024	
MIL02	Implement Meteorological Information exchanges	01-01-2018	31-12-2024	
MIL03	Implement Cooperative Network information exchanges	01-01-2018	31-12-2024	
MIL04	Implement Flight Information exchanges	01-01-2018	31-12-2024	
APO01	Implement Aeronautical information exchanges	01-01-2018	31-12-2024	
APO02	Implement Meteorological Information exchanges	01-01-2018	31-12-2024	
APO03	Implement Cooperative Network information exchanges	01-01-2018	31-12-2024	
APO04	Implement Flight Information exchanges	01-01-2018	31-12-2024	
USE01	Implement Aeronautical information exchanges	01-01-2018	31-12-2024	
USE02	Implement Meteorological Information exchanges	01-01-2018	31-12-2024	
USE03	Implement Cooperative Network information exchanges	01-01-2018	31-12-2024	
USE04	Implement Flight Information exchanges	01-01-2018	31-12-2024	
NM01	Implement Aeronautical information exchanges	01-01-2018	31-12-2024	
NM02	Implement Meteorological Information exchanges	01-01-2018	31-12-2024	
NM03	Implement Cooperative Network information exchanges	01-01-2018	31-12-2024	
NM04	Implement Flight Information exchanges	01-01-2018	31-12-2024	

Supporting Material

Title	Related SLoAs
EUROCONTROL - SPEC 168 - EUROCONTROL Specification for SWIM Service Description - 1.0 https://www.eurocontrol.int/publication/eurocontrol-specifications-system-wide-information-management-swim	APO01, APO02, APO03, APO04, ASP01, ASP02, ASP03, ASP04, MIL01, MIL02, MIL03, MIL04, NM01, NM02, NM03, NM04, USE01, USE02, USE03, USE04
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	APO01, APO02, APO03, APO04, ASP01, ASP02, ASP03, ASP04, MIL01, MIL02, MIL03, MIL04, NM01, NM02, NM03, NM04, USE01, USE02, USE03, USE04
EUROCONTROL - SPEC 170 - EUROCONTROL Specification for SWIM Technical Infrastructure (TI) Yellow Profile - 1.0 / 12/2017 https://www.eurocontrol.int/publication/eurocontrol-specifications-system-wide-information-management-swim	APO01, APO02, APO03, APO04, ASP01, ASP02, ASP03, ASP04, MIL01, MIL02, MIL03, MIL04, NM01, NM02, NM03, NM04, USE01, USE02, USE03, USE04

Consultation & Approval

Working Arrangement in charge	AIM / SWIM
Outline description approved in	-
Latest objective review at expert level	05/2018
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	09/2016
Latest change to objective approved/endorsed in	-