

Deployment Scenario Title	SWIM TI purple profile for air/ground safety-critical information sharing
Deployment Scenario Description	SWIM TI purple profile for air-ground safety-critical information sharing: this aims to allow the distribution of safety-critical information through air-ground SWIM infrastructure and aeronautical telecommunications network-IP suite networking, rather than legacy point-to-point contracted services. Technical specifications will be defined to support safety and security requirements, allowing the exchange of safety-critical information.
Essential Operational Change	ATM Interconnected Network
Maturity	In development phase: Key R&D Activities

Applicable Operating Environment			
Airport	Terminal Airspace	En-Route	Network

Timeline																						
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	

Performance Contribution of the DS				
Capacity	Safety	Environment	Cost-efficiency	Operational efficiency

Stakeholders affected (at least one enabler to be deployed)						
ANSP		AO		AU		Network Manager
Civil	Military	Civil	Military	Civil	Military	
APP, ENR, SWIM						Network Manager

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.17-07	SWIM TI Purple Profile for Air/Ground Safety-Critical Information Sharing	SWIM TI Purple Profile for Air/Ground Safety-Critical Information Sharing allowing the...	SOL PJ OI DS EOC ICAO
PJ.17-W2-100	SWIM TI Purple Profile for Air/Ground Safety-Critical Information Sharing	The key R&D activity addresses the distribution of safety-critical information through A/G...	PJ DS EOC

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
IS-0901-C	SWIM for improved integration of SWIM profiles and expanded sharing of A/G Data	Extend the use of SWIM for all data domain for G/G. Extend the exchange of information among...	SOL OI EN DS ICAO

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			AGSWIM-35	Flight Data updates transmitted by AGDLGMS to the Aircraft	Any Flight Data change provided by Airports (Departure, Arrival information), Military Flights,...	OI DS
🔒			AGSWIM-36	Flight Data dialogues supported by AGDLGMS	AGDLGMS will also support dialogues related to flight data between Aircraft and the responsible...	OI DS
🔒			AGSWIM-37	Flight Data updates made by the aircraft leading to ground shared flight data updates	AGDLGMS will relay flight data changes made by the aircraft to the ground systems. For this...	OI DS
🔒			AGSWIM-38	SWIM enabled services for AGDLGMS	SWIM enabled services will be delivered both by the Ground-Ground IOP/SWIM Management sub-system...	STK OI DS
🔒			ER APP ATC 132	Transition ER and APP ATC systems from use of direct AGDL connection to use of European gateway.	-	STK OI DS
🔒			GGSWIM-10c	SWIM Supervision for Step3	Evolution to manage the SWIM infrastructure, including such aspects as access control,...	OI DS
🔒			GGSWIM-51c	SWIM Ground-ground messaging services in Step3	Ground-ground messaging services that support exchange of messages between any centres (ATCC,...	OI DS
🔒			SWIM-SUPT-02	SWIM Runtime Registry	One or more (i.e. federated) runtime registry systems to provide the dynamic information about...	STK OI DS