

<b>Deployment Scenario Title</b>	SWIM TI (technical infrastructure) purple profile for air/ground advisory information sharing
<b>Deployment Scenario Description</b>	SWIM TI (SWIM technical infrastructure) purple profile for air-ground advisory information sharing: this supports ATM operational improvements that depend on air-ground information exchanges to enable better situational awareness and collaborative decision-making. The activities include the specification of the technical architecture and functions that are required to achieve full interoperability between air and ground SWIM segments and meet the safety and performance requirements for airborne operations.
<b>Essential Operational Change</b>	ATM Interconnected Network
<b>Maturity</b>	In development phase: Key Solutions Approaching Maturity

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
							Deployment														
															Benefit						

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	
TWR, APP, ENR, SWIM, AIS, MET	TWR, APP, ENR, AIS, MET, SWIM	APT Operator	APT Operator	Scheduled, BA Fixed, BA Rotorcraft, FOC	Transport, WOC	Network Manager

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.17-01	SWIM TI Purple Profile for Air/Ground Advisory Information Sharing	¿SWIM-TI Purple Profile for Air/Ground Advisory Information Sharing¿ consists of open standards...	<span style="background-color: #d9534f; color: white; padding: 2px;">SOL</span> <span style="background-color: #d9534f; color: white; padding: 2px;">PJ</span> <span style="background-color: #d9534f; color: white; padding: 2px;">OI</span> <span style="background-color: #d9534f; color: white; padding: 2px;">DS</span> <span style="background-color: #6aa84f; color: white; padding: 2px;">EOC</span>

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
POI-0017-IS	SWIM technical infrastructure for Air-Ground advisory information sharing (Purple Profile)	Enable a secure integration of the aircraft into the SWIM network. It aims at providing...	<span style="background-color: #d9534f; color: white; padding: 2px;">SOL</span> <span style="background-color: #d9534f; color: white; padding: 2px;">EN</span> <span style="background-color: #d9534f; color: white; padding: 2px;">DS</span>

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			SWIM- INFR- 06b	Ground side SWIM technical infrastructure for Air-Ground Advisory Information Sharing	Addresses the need for enabling a secure and reliable integration of the aircraft into the SWIM...	STK OI EN DS
🔒			SWIM- INFR- 06c	Air side SWIM technical infrastructure for Air-Ground Advisory Information Sharing	Addresses the need for enabling a secure and reliable integration of the aircraft into the SWIM...	STK OI DS
🔒			SWIM- SUPT- 03b	SWIM Supporting Security	SWIM Technical infrastructure to support transport and message level security, identity...	STK OI DS