



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 network on the ground side of the Air-Ground SWIM. It covers ground side functions that allow SWIM Enabled Aircraft applications to interact with SWIM Enabled Ground applications via provisioning and consumption of SWIM Services. The current scope covers the Advisory Purple Profile Enabled SWIM Services (uplink and downlink) related to the sharing of supplemental information that is not necessary for and not directly interfering with the command and control of an aircraft.

Category SYSTEM

Stakeholder Air Navigation Service Provider

Civil

- Civil ATS Aerodrome Service Provider
- Civil ATS Approach Service Provider
- Civil ATS En-Route Service Provider
- Civil SWIM Service Provider
- Civil AIS Service Provider
- Civil MET Service Provider

Military

- Military ATS Aerodrome Service Provider
- Military ATS Approach Service Provider
- Military ATS En-Route Service Provider
- Military AIS Service Provider
- Military MET Service Provider
- Military SWIM Service Provider

Airport Operator

Civil

- Civil APT operator

Military

- Military APT operator

Airspace User

Civil

- Civil Flight Operations Centre

Military

- Military Wing Operations Centre

Network Manager

V3 End 31-12-2019

V4 Start 31-12-2021

V5 Start 31-12-2024

V4 End 31-12-2024

V5 End 31-12-2026

Air Navigation Service Provider: 31-12-2026

Civil

Civil ATS Aerodrome Service Provider: 31-12-2026

Civil ATS Approach Service Provider: 31-12-2026

Civil ATS En-Route Service Provider: 31-12-2026

Civil SWIM Service Provider: 31-12-2026

Civil AIS Service Provider: 31-12-2026

Civil MET Service Provider: 31-12-2026

Military

Military ATS Aerodrome Service Provider: 31-12-2026

Military ATS Approach Service Provider: 31-12-2026

Military ATS En-Route Service Provider: 31-12-2026

Military AIS Service Provider: 31-12-2026

Military MET Service Provider: 31-

12-2026

Military SWIM Service Provider:

31-12-2026

Airport Operator: 31-12-2026

Civil

Civil APT operator: 31-12-2026

Military

Military APT operator: 31-12-2026

Airspace User: 31-12-2027

Civil

Civil Flight Operations Centre: 31-12-2027

Military

Military Wing Operations Centre: 31-12-2027

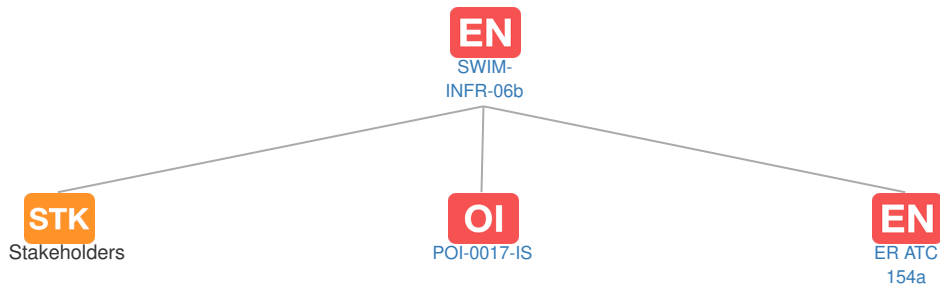
Network Manager: 31-12-2024

IOC 31-12-2028

FOC 31-12-2032

Context

Related Elements



Operational Improvement Steps
















Code	Benefits start date (IOC) - Full benefit date (FOC)																									
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
SWIM-INFR-06b					▲		V4	V5												IOC - FOC						
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Dependent Enablers

Relationship	Code	Title	Related Elements
Has predecessor	ER ATC 154a	Basic air-ground datalink communications service derived from the CM and CPDLC applications	STK OI EN

PCP Elements: No associated data

Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-AIS	Civil AIS Service Provider	EN 
ANSP-CIV-AERO	Civil ATS Aerodrome Service Provider	EN 
ANSP-CIV-APP	Civil ATS Approach Service Provider	EN 
ANSP-CIV-ER	Civil ATS En-Route Service Provider	EN 
ANSP-CIV-MET	Civil MET Service Provider	EN 
ANSP-CIV-SWIM	Civil SWIM Service Provider	EN 
ANSP-MIL-AIS	Military AIS Service Provider	EN 
ANSP-MIL-AERO	Military ATS Aerodrome Service Provider	EN 
ANSP-MIL-APP	Military ATS Approach Service Provider	EN
ANSP-MIL-ER	Military ATS En-Route Service Provider	EN 
ANSP-MIL-MET	Military MET Service Provider	EN 
ANSP-MIL-SWIM	Military SWIM Service Provider	EN 
AO	Airport Operator	EN
AP-OPR-CIV	Civil APT operator	EN 
AP-OPR-MIL	Military APT operator	EN 
AU	Airspace User	EN
AU-CIV-FOC	Civil Flight Operations Centre	EN
AU-MIL-W	Military Wing Operations Centre	EN 
NM	Network Manager	EN
NET-MAN	Network Manager	EN 



Standards: No associated data



Implementation Objectives: No associated data



Stakeholder Lines of Action (SLoAs): No associated data



SESAR Workpackages: No associated data