



# SWIM-INFR-01a — High Criticality SWIM Services infrastructure Support and Connectivity.

Provision of the additional functionality needed by the individual Stakeholder to support their SWIM applications in the provision/consumption of High Criticality SWIM Service.

This enabler addresses the need for each stakeholder to provide the necessary additional functionality to address the messaging protocol, security, resilience, and other SWIM Profile related aspects for the provision/consumption/ exchanging of these High Criticality types of SWIM Services with other stakeholders, by means of Internet Protocol (IP) connectivity via in-common IP network(s).

**Category** SYSTEM

**Stakeholder** Air Navigation Service Provider

*Civil*

Civil ATS En-Route Service Provider  
Civil SWIM Service Provider

*Military*

Military ATS En-Route Service Provider  
Military SWIM Service Provider

**Network Manager**

**V3 End** 31-12-2015

**V4 Start** 31-12-2015

**V5 Start** 31-12-2017

**V4 End** 31-12-2017

**V5 End** 31-12-2020

**Air Navigation Service Provider: -**

*Civil*

Civil ATS En-Route Service Provider: -

Civil SWIM Service Provider: -

*Military*

Military ATS En-Route Service Provider: -

Military SWIM Service Provider: -

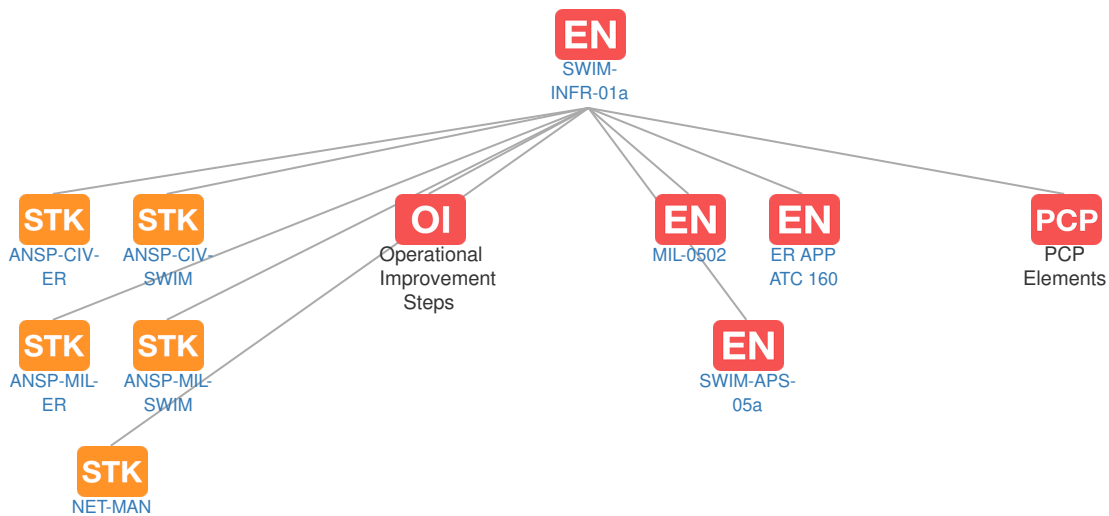
**Network Manager: 31-12-2020**

**IOC** 31-12-2023

**FOC** -

## 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-01a																											
CM-0201-A																											
IS-0901-A																											
POI-0016-IS																											
SDM-0216																											
TS-0109																											
AOM-0500																											
AOM-0501																											
AOM-0505																											
TS-0103																											
TS-0305-A																											
TS-0308																											






## Dependent Enablers

Relationship	Code	Title	Related Elements
Supporting	MIL-0502	Upgrade of military ground systems to allow bi-directional exchanges with non-military IP networks	STK OI EN DS PCP
Is synchronised with	ER APP ATC 160	ATC to ATC Flight Data Exchange Using The Flight Object	STK OI EN DS PCP
Deployed with	SWIM-APS-05a	Provision and Consumption of Flight Object Sharing services	STK OI EN DS PCP S

## PCP PCP Elements

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

## STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-ER	Civil ATS En-Route Service Provider	EN 
ANSP-CIV-SWIM	Civil SWIM Service Provider	EN 
ANSP-MIL-ER	Military ATS En-Route Service Provider	EN 
ANSP-MIL-SWIM	Military SWIM Service Provider	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