



POI-0014-IS — Extension of the Quality of Service at SWIM-TI profile level to support SWIM-TI exchanges between civil and military SWIM-Enabled Applications in the scope of civil-military cooperation and coordination (Green Profile)

Will enable responsive, secure and cost-effective SWIM-TI level exchanges between civil and military SWIM-Enabled Applications when YP 1.0 is not sufficient from a military point of view due to specific expectations.

Targets future extensions to the ECTRL Yellow Profile 1.0 specification to fill the estimated QoS gap, so to extend the civil-military coordination and cooperation scope compared to YP 1.0. Typical exchanges requiring such extensions include:

- ∫ Consumption of civil flight data,
- ∫ Quick Reaction Alert (alert and tracks),
- ∫ OAT Flight Plan Submission & Flight Data Distribution (sensitive data case).

Key QoS needs derived from above exchanges encompass (cyber) security, resilience, performance and the support of sensitive data.

Wave 1 focuses on SWIM-based civil-military interoperability on the full scope of operational needs in the context of YP-based interactions (the solution does not target real-time / safety-critical interactions in Wave 1 but challenges the ability to support some time-constraint SWIM services).

Rationale SWIM-based civil-military exchanges add some specific QoS requirements compared to standard non-time critical exchanges between civil entities (YP).

Forecast V3 end date 31-12-2022

Benefits start date (IOC) 31-12-2027

Full benefits date (FOC) 31-12-2033

Current Maturity Level V2

Solution Data Quality Index -

Current Maturity Phase R&D

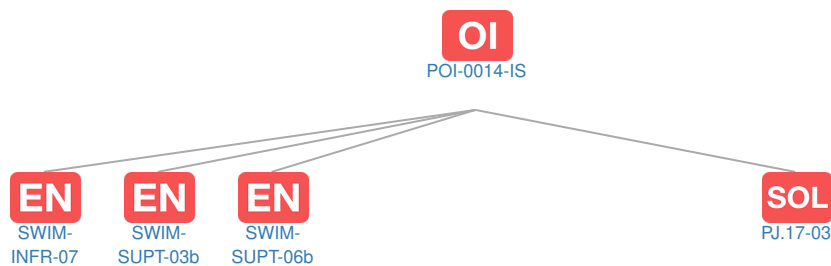
Scope -

Release -

PCP Status -

Context

Related Elements



EN Enablers

Code	Dates																																												
	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																			
POI-0014-IS																																													
SWIM-INFR-07																																													
SWIM-SUPT-03b																																													
SWIM-SUPT-06b																																													

OI Dependent OI Steps: No associated data

SOL SESAR Solutions

Code	Title	Program	Related Elements
PJ.17-03	SWIM TI Green profile for G/G Civil Military Information Sharing	SESAR 2020 Wave 1	

PCP PCP Elements: No associated data

OBJ Implementation Objectives: No associated data

ICAO ICAO Block Modules: No associated data