



# 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

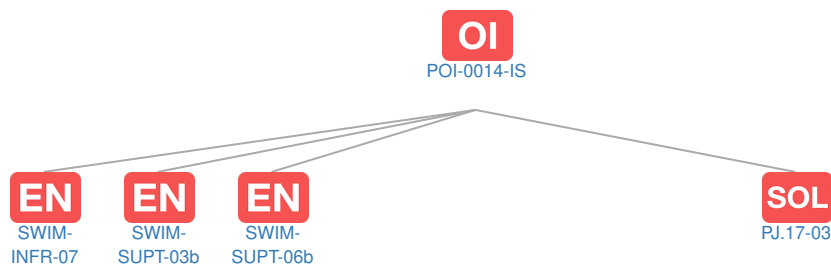
**Scope** -

**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 | <b>SOL</b> <b>PJ</b> <b>OI</b> <b>DS</b><br><b>EOC</b> |

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

**ICAO** ICAO Block Modules: No associated data