



# POI-0006-CNS — Low Radio Frequency Impact Surveillance

*There is the need of Radio Frequency emission reduction due to ICAO mandates and the saturation of spectrum. New surveillance techniques such as composite surveillance systems and (MRTC) Surveillance (Multi Remote tower Control, validate ADS-B emissions reducing the rate of interrogations required by other systems to mantian the required performance. Phase overlay technology makes a more efficient use of spectrum transmitting more quantity of data than ADS-B transmissions using Pulse-position modulation(PPM) modulation.*

**Rationale** Needed to comply with RF pollution reduction standards (ICAO Annex 10 for WAM, ECTRL EMS for Mode S)

**Forecast V3 end date** 31-12-2025

**Benefits start date (IOC)** 31-12-2024

**Full benefits date (FOC)** 31-12-2028

**Current Maturity Level** V1

**Solution Data Quality Index** -

**Current Maturity Phase** R&D

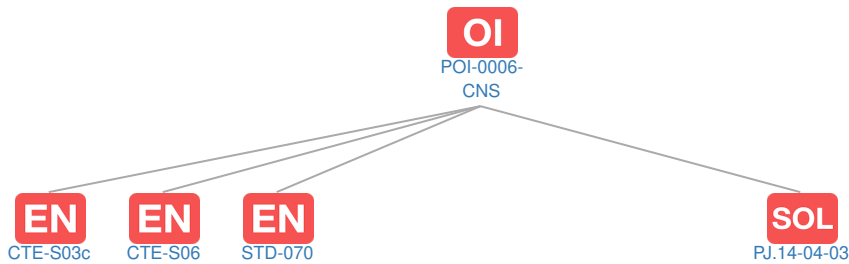
**Scope** -

**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-0006-CNS																											
CTE-S03c				▲						▲																	
CTE-S06							▲																				
STD-070			▲																								

**OI** Dependent OI Steps: No associated data

**SOL** SESAR Solutions

Code	Title	Program	Related Elements
PJ.14-04-03	New use and evolution of Cooperative and Non-Cooperative Surveillance	SESAR 2020 Wave 1	<span style="background-color: red; color: white; padding: 2px;">SOL</span> <span style="background-color: red; color: white; padding: 2px;">PJ</span> <span style="background-color: red; color: white; padding: 2px;">OI</span> <span style="background-color: red; color: white; padding: 2px;">DS</span> <span style="background-color: green; color: white; padding: 2px;">EOC</span>

**PCP** PCP Elements: No associated data

**OBJ** Implementation Objectives: No associated data

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