



# CTE-S07 — Surveillance Performance Monitoring Tools

Surveillance Performance Monitoring Tools are enablers of an harmonised performance monitoring of surveillance systems. Such monitoring will seek to identify surveillance degradation trends early, using both off-line and in continuous quasi real-time processes, applied at sensor level and at the output of the entire surveillance chain. It includes WAM, ground-based and space-based ADS-B, emerging non-cooperative surveillance sensors, as well as MLAT and SMR.

**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 CNS Service Provider

*Military*

- Military ATS Aerodrome Service Provider
- Military ATS Approach Service Provider
- Military ATS En-Route Service Provider
- Military CNS Service Provider

**V3 End** 08-06-2023

**V4 Start** 08-06-2025

**V5 Start** 08-06-2028

**V4 End** 08-06-2028

**V5 End** 08-06-2030

**Air Navigation Service Provider: 08-06-2030**

*Civil*

- Civil ATS Aerodrome Service Provider: 08-06-2030
- Civil ATS Approach Service Provider: 08-06-2030
- Civil ATS En-Route Service Provider: 08-06-2030
- Civil CNS Service Provider: 08-06-2030

*Military*

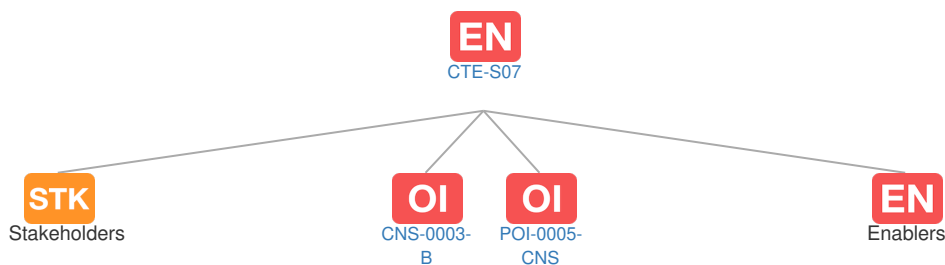
- Military ATS Aerodrome Service Provider: 08-06-2030
- Military ATS Approach Service Provider: 08-06-2030
- Military ATS En-Route Service Provider: 08-06-2030
- Military CNS Service Provider: 08-06-2030

**IOC** 08-06-2030

**FOC** 08-06-2034

## Context

### Related Elements



## OI 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	
CTE-S07									▲		V4	V5	IOC - FOC														
🔒 CNS-0003-B																											
🔒 POI-0005-CNS																											

## EN Dependent Enablers

Relationship	Code	Title	Related Elements
Supporting	CTE-S01a	SSR Mode A/C/S	STK OI EN DS ⚙️
Supporting	CTE-S02a	Primary Surveillance Radar	STK OI EN DS ⚙️
Supporting	CTE-S02b	Surface Movement Radar	STK OI EN OBJ ⚙️
Supporting	CTE-S02c	Multi Static Primary Surveillance Radar	STK OI EN DS ⚙️
Supporting	CTE-S02d	Video Based Surveillance	STK OI EN DS ⚙️
Supporting	CTE-S03a	ADS-B station for NRA surveillance	STK OI EN DS ⚙️
Supporting	CTE-S03b	ADS-B station for RAD and APT surveillance	STK OI EN OBJ DS ⚙️
Supporting	CTE-S03c	New ADS-B station for future ADS-B applications	STK OI EN DS ⚙️
Supporting	CTE-S03d	Satellite based ADS-B technology	STK OI EN DS ⚙️
Supporting	CTE-S03e	ADS-B transmitter for vehicles	STK OI EN
Supporting	CTE-S03f	New ADS-B receiver for vehicles	STK OI EN DS ⚙️
Supporting	CTE-S04a	Wide Area Multilateration (WAM)	STK OI EN DS ⚙️
Supporting	CTE-S04b	Airport Multilateration (MLAT)	STK OI EN OBJ DS ⚙️

PCP PCP Elements: No associated data

## STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation 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-CNS	Civil CNS 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-CNS	Military CNS Service Provider	EN 

 Standards: No associated data

 Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

 SESAR Workpackages: No associated data