



# CTE-S06 — Composite Surveillance

Composite surveillance encompasses the different combinations of data at surveillance sensor level (e.g. MODE-S/ADS-B, WAM/MSPSR, WAM/ADS-B, MSPSR/ADS-B) in order to achieve better performances and reducing the environmental impact of the sensors.

**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
- Civil SWIM Service Provider
- Civil AIS Service Provider
- Civil MET Service Provider
- Civil-Military Airspace Management Cell (civil side)

*Military*

- Military ATS Aerodrome Service Provider
- Military ATS Approach Service Provider
- Military ATS En-Route Service Provider
- Military CNS Service Provider
- Military AIS Service Provider
- Military MET Service Provider
- Military SWIM Service Provider
- Civil-Military Airspace Management Cell (military side)

**Airport Operator**

*Civil*

- Civil APT operator

*Military*

- Military APT operator

**Airspace User**

*Civil*

- Civil Scheduled Aviation
- Civil Business Aviation-Fixed Wing
- Civil Business Aviation-Rotorcraft
- Civil General Aviation
- Civil Flight Operations Centre

*Military*

- Military Transport
- Military Fighter
- Military Light Aircraft
- Military Wing Operations Centre

**Network Manager**

**V3 End** 28-07-2021

**V4 Start** -

**V5 Start** -

**V4 End** -

**V5 End** -

**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: -
- Civil SWIM Service Provider: -
- Civil AIS Service Provider: -
- Civil MET Service Provider: -
- Civil-Military Airspace Management Cell (civil side): -

*Military*

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

Provider: -  
 Military CNS Service Provider: -  
 Military AIS Service Provider: -  
 Military MET Service Provider: -  
 Military SWIM Service Provider: -  
 Civil-Military Airspace Management  
 Cell (military side): -

**Airport Operator: -**

*Civil*  
 Civil APT operator: -  
*Military*  
 Military APT operator: -

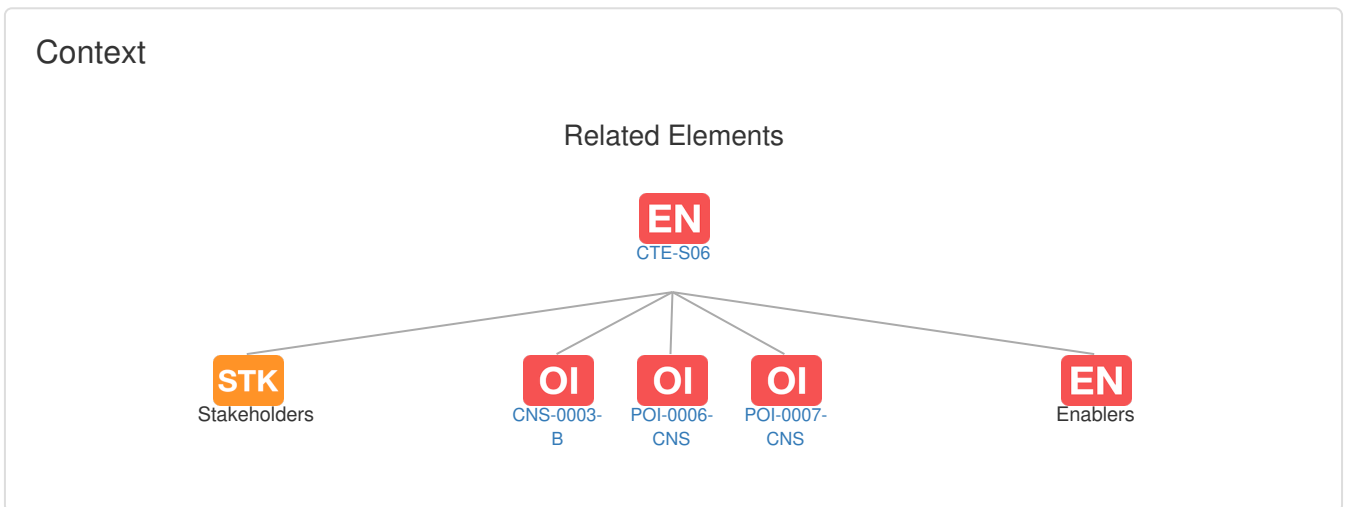
**Airspace User: -**

*Civil*  
 Civil Scheduled Aviation: -  
 Civil Business Aviation-Fixed Wing:  
 -  
 Civil Business Aviation-Rotorcraft: -  
 Civil General Aviation: -  
 Civil Flight Operations Centre: -  
*Military*  
 Military Transport: -  
 Military Fighter: -  
 Military Light Aircraft: -  
 Military Wing Operations Centre: -

**Network Manager: -**

IOC -

FOC -



## 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-S06							▲																																
🔒 CNS-0003-B																																							
🔒 POI-0006-CNS																																							
🔒 POI-0007-CNS																																							

## EN Dependent Enablers

Relationship	Code	Title	Related Elements
Enabled by	CTE-S02b	Surface Movement Radar	STK OI EN OBJ ⚙️
Enabled by	CTE-S02c	Multi Static Primary Surveillance Radar	STK OI EN DS ⚙️
Enabled by	CTE-S02d	Video Based Surveillance	STK OI EN DS ⚙️
Enabled by	CTE-S03a	ADS-B station for NRA surveillance	STK OI EN DS ⚙️
Enabled by	CTE-S03c	New ADS-B station for future ADS-B applications	STK OI EN DS ⚙️
Enabled by	CTE-S04a	Wide Area Multilateration (WAM)	STK OI EN DS ⚙️
Enabled by	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-AIS	Civil AIS 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-CIV-MET	Civil MET Service Provider	EN 
ANSP-CIV-SWIM	Civil SWIM Service Provider	EN 
ANSP-CIV-AMC	Civil-Military Airspace Management Cell (civil side)	EN 
ANSP-MIL-AMC	Civil-Military Airspace Management Cell (military side)	EN 
ANSP-MIL-AIS	Military AIS 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 
ANSP-MIL-MET	Military MET Service Provider	EN 
ANSP-MIL-SWIM	Military SWIM Service Provider	EN 
AO	Airport Operator	EN
AP-OPR-CIV	Civil APT operator	EN 
AP-OPR-MIL	Military APT operator	EN 
AU	Airspace User	EN
AU-CIV-BA-F	Civil Business Aviation-Fixed Wing	EN
AU-CIV-BA-R	Civil Business Aviation-Rotorcraft	EN
AU-CIV-FOC	Civil Flight Operations Centre	EN
AU-CIV-GA	Civil General Aviation	EN
AU-CIV-SA	Civil Scheduled Aviation	EN 
AU-MIL-F	Military Fighter	EN 
AU-MIL-L	Military Light Aircraft	EN 
AU-MIL-T	Military Transport	EN 
AU-MIL-W	Military Wing Operations Centre	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