



CTE-S02d — Video Based Surveillance

The camera sensor (visual or infrared) provides 25 frames per second of video data. Video Based Surveillance make use of these data to detect objects in every frame. The complexity in this task is not only the high amount of data that need to be analysed in a very short period of time, but also to filter objects of interest out of all detected movements. The result of this analyses will be made available as an Independent Non Cooperative Surveillance input source to a multi sensor data fusion. This technology has the potential to play a significant role in multi remote tower environment but also as Gap Filler for big airports.

Category SYSTEM

Stakeholder Air Navigation Service Provider

Civil

Civil ATS Aerodrome Service Provider

Civil CNS Service Provider

Military

Military ATS Aerodrome Service Provider

Military CNS Service Provider

V3 End 30-06-2021

V4 Start -

V4 End -

V5 Start -

V5 End -

Air Navigation Service Provider: -

Civil

Civil ATS Aerodrome Service

Provider: -

Civil CNS Service Provider: -

Military

Military ATS Aerodrome Service

Provider: -

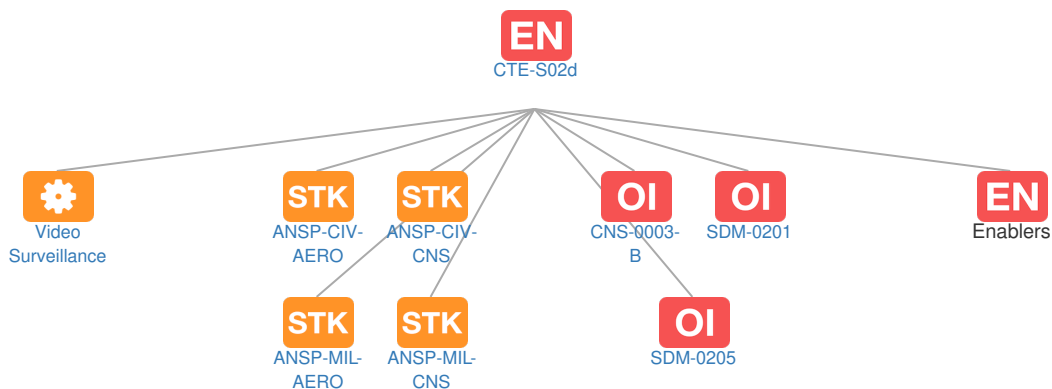
Military CNS Service Provider: -

IOC -

FOC -

Context

Related Elements



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-S02d							▲																				
🔒 CNS-0003-B																											
🔒 SDM-0201																											
🔒 SDM-0205																											

Dependent Enablers

Relationship	Code	Title	Related Elements
Supported by	CTE-S07	Surveillance Performance Monitoring Tools	STK OI EN DS
Supported by	CTE-S07d	Non-Coop sensor SPM Tool & Surface	STK OI EN DS
Alternate	CTE-S02a	Primary Surveillance Radar	STK OI EN DS ⚙️
Alternate	CTE-S02b	Surface Movement Radar	STK OI EN OBJ ⚙️
Alternate	CTE-S02c	Multi Static Primary Surveillance Radar	STK OI EN DS ⚙️
Enabling	CTE-S06	Composite Surveillance	STK OI EN DS
Enabling	STD-014	MASPS for Remote and Virtual Towers Visual Surveillance Systems	EN

PCP Elements: No associated data

Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-AERO	Civil ATS Aerodrome Service Provider	EN 👤 ⚙️
ANSP-CIV-CNS	Civil CNS Service Provider	EN 👤 ⚙️
ANSP-MIL-AERO	Military ATS Aerodrome 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