



CTE-N06 — Space Based Augmentation System (SBAS)

Space Based Augmentation Systems (SBAS, i.e. EGNOS, WAAS) are civil aviation safety-critical systems that support wide-area or regional augmentation through a monitoring and reference stations network and geostationary (GEO) satellites which broadcast GNSS augmentation information (correction & integrity).

Current baseline deployed is 2.3.x

Category SYSTEM

Stakeholder Air Navigation Service Provider

Civil

Civil ATS En-Route Service Provider

Civil CNS Service Provider

Civil AIS Service Provider

Military

Military ATS En-Route Service Provider

Military CNS Service Provider

Military AIS Service Provider

Network Manager

V3 End 31-03-2011

V4 Start 31-03-2013

V5 Start 31-03-2016

V4 End 31-03-2016

V5 End 31-03-2018

Air Navigation Service Provider: 31-03-2018

Civil

Civil ATS En-Route Service

Provider: 31-03-2018

Civil CNS Service Provider: 31-03-2018

Civil AIS Service Provider: 31-03-2018

Military

Military ATS En-Route Service

Provider: 31-03-2018

Military CNS Service Provider: 31-03-2018

Military AIS Service Provider: 31-03-2018

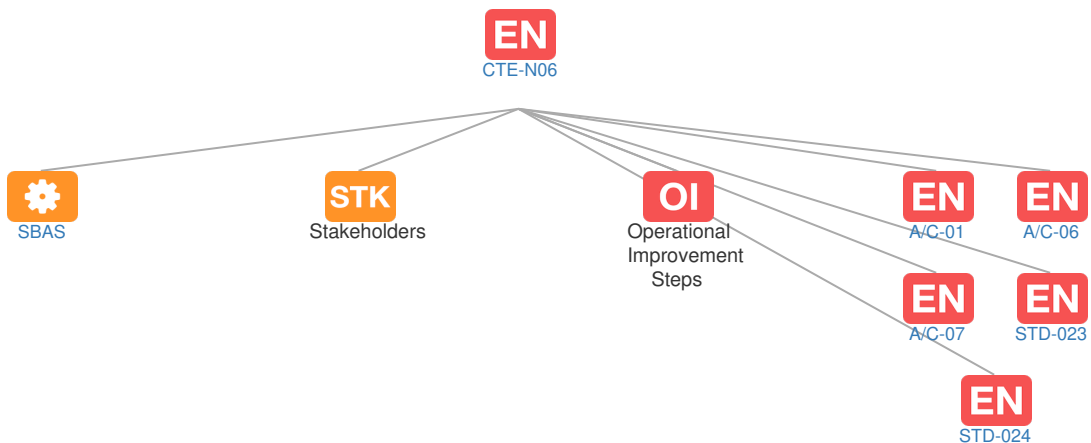
Network Manager: 31-03-2014

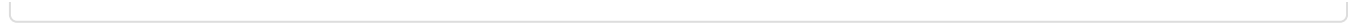
IOC 31-12-2020

FOC 31-12-2024

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-N06 | | | | V5 | | | | | | IOC - FOC | | | | | | | | | | | | | | | | | |
| 🔒 AO-0333 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🔒 AOM-0304-B | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🔒 AOM-0604 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🔒 AOM-0607 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AO-0308 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AO-0319 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AO-0320 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AO-0321 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AO-0322 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AO-0331 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AOM-0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AOM-0605 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

EN Dependent Enablers

| Relationship | Code | Title | Related Elements |
|----------------------|---------|--|---------------------|
| Is synchronised with | A/C-01 | Enhanced positioning for LPV/RNP based on Single Frequency SBAS | STK OI EN DS |
| Is synchronised with | A/C-06 | Flight management and guidance for LPV approach based on SBAS | STK OI EN DS |
| Is synchronised with | A/C-07 | Flight management and guidance for RNP transition to ILS/GLS/LPV | STK OI EN DS PCP |
| Enabled by | STD-023 | MOPS on GPS/GALILEO + multi-constellation, multi-frequency SBAS | EN |
| Enabled by | STD-024 | DO-253D MOPS on GBAS Receiver | EN |

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-ER | Civil ATS En-Route Service Provider | EN  |
| ANSP-CIV-CNS | Civil CNS Service Provider | EN  |
| ANSP-MIL-AIS | Military AIS Service Provider | EN  |
| ANSP-MIL-ER | Military ATS En-Route Service Provider | EN  |
| ANSP-MIL-CNS | Military CNS Service Provider | 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