



CTE-N07 — Ground Based Augmentation System (GBAS)

Ground Based Augmentation System (GBAS) is a civil-aviation safety-critical system that supports local augmentation -at airport level- of the primary GNSS constellation(s) by providing enhanced levels of service that support all phases of approach, landing, and departure operations. While the main goal of GBAS is to provide integrity assurance, it also increases the accuracy. The technology can be based on GPS L1 providing Cat I, GPS L1 providing up to Cat III, and Multi-Constellation / Multi-Frequency GBAS providing up to Cat III with improved performance, integrity and availability compared to GBAS based on GPS L1 only.

Category SYSTEM

Stakeholder Air Navigation Service Provider
Civil
Civil CNS Service Provider

V3 End 31-12-2009

V4 Start 31-12-2009

V5 Start 31-12-2010

V4 End 31-12-2010

V5 End 31-12-2012

Air Navigation Service Provider: 31-12-2012

Civil

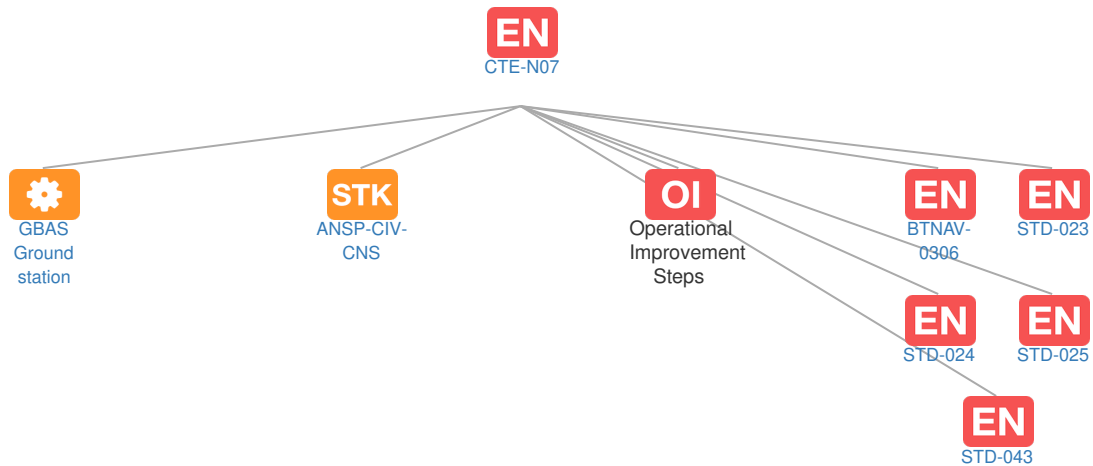
Civil CNS Service Provider: 31-12-2012

IOC 31-12-2025

FOC 31-12-2029

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-N07																											
🔒 AO-0322																											
🔒 AO-0505-A																											
🔒 AO-0505-B																											
➔ AO-0308																											
➔ AO-0319																											
➔ AO-0320																											
➔ AO-0321																											
➔ AO-0331																											
➔ AO-0502																											
➔ AOM-0605																											

EN Dependent Enablers

Relationship	Code	Title	Related Elements
Enabled by	BTNAV-0306	MOPS for GBAS Cat I Ground Sub-System (ED-114A)	EN 📄
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
Enabled by	STD-025	Harmonisation Specifications on Ground Based Augmentation System Ground Equipment to Support Category I Operations	OI EN
Enabled by	STD-043	EN 303 084, Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB)	OI EN 📄

PCP PCP Elements: No associated data

STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-CNS	Civil CNS Service Provider	EN 🧑⚙️

📄 Standards: No associated data

OBJ Implementation Objectives: No associated data



Stakeholder Lines of Action (SLoAs):No associated data



SESAR Workpackages: No associated data