



# A/C-11 — Flight management and guidance for improved single time constraint achievement (CTA/CTO)

Flight management and guidance for improved control loop on a single time constraint (Controlled Time of Arrival / Over) with a specified accuracy (+/-30" in En-route or +/-10" in TMA) at a pre-defined fix (e.g. IAF in TMA) thanks to improved 4D prediction algorithms using enriched meteorological modelling.

**Category** SYSTEM

**Stakeholder** Airspace User

*Civil*

- Civil Scheduled Aviation
- Civil Business Aviation-Fixed Wing
- Civil Business Aviation-Rotorcraft
- Civil General Aviation

*Military*

- Military Transport

**V3 End** 31-12-2013

**V4 Start** -

**V4 End** -

**V5 Start** -

**V5 End** 31-12-2018

**Airspace User:** -

*Civil*

- Civil Scheduled Aviation: -
- Civil Business Aviation-Fixed Wing: -
- Civil Business Aviation-Rotorcraft: -
- Civil General Aviation: -

*Military*

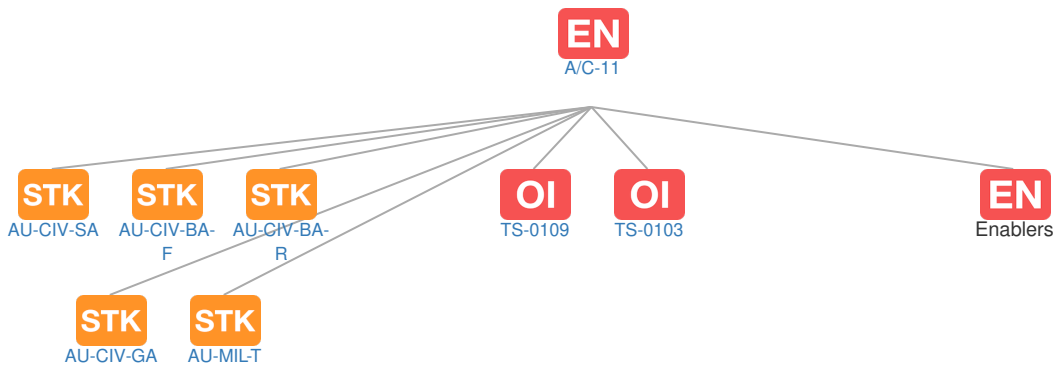
- Military Transport: 31-12-2024

**IOC** 31-12-2022

**FOC** 31-12-2028

## 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	
A/C-11					▲																						
🔒 TS-0109																											
➔ TS-0103																											

## EN Dependent Enablers

Relationship	Code	Title	Related Elements
Has successor	A/C-31a	Controller pilot data link communication (CPDLC) compliant with ATN baseline 2 (FANS 3/C)	STK OI EN DS 📄
Is synchronised with	ER APP ATC 149c	Air-Ground Datalink Exchange to Support i4D - Controlled Time of Arrival/Overflight (CTA/CTO)	STK OI EN DS
Enabled by	BTNAV-STD-01	Enhanced navigation capability to support CTA	EN 📄
Enabled by	BTNAV-STD-02	Navigation Performance in ICAO provisions for Enhanced CTA	OI EN DS 📄
Enabled by	BTNAV-STD-06	Update ICAO PANS-ATM for RNAV/RNP, curved approaches and Initial 4D capabilities	EN
Enabled by	REG-0008	AMC for Initial 4D	EN

## PCP PCP Elements: No associated data

## STK Stakeholders

Code	Title	Related Elements
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-GA	Civil General Aviation	EN
AU-CIV-SA	Civil Scheduled Aviation	EN 🧑⚙️
AU-MIL-T	Military Transport	EN 🧑⚙️

## 📄 Standards: No associated data

## OBJ Implementation Objectives: No associated data

## Stakeholder Lines of Action (SLoAs): No associated data

## PJ SESAR Workpackages: No associated data

