



# ER APP ATC 119 — Air/Ground Datalink Communication/Protocols for i4D and Controlled Time of Arrival

Enhance the air/ground data communications to support the reception and transmission of messages being defined for PCP by WG-78 (this excludes CPDLC messages defined in WG-78 for D-OTIS, DRVR and D-HZWX).

**Category** SYSTEM

**Stakeholder** Air Navigation Service Provider

*Civil*

Civil ATS Approach Service Provider

Civil ATS En-Route Service Provider

*Military*

Military ATS Approach Service Provider

Military ATS En-Route Service Provider

**V3 End** 31-12-2014

**V4 Start** 31-12-2016

**V5 Start** 31-12-2019

**V4 End** 31-12-2019

**V5 End** 31-12-2021

**Air Navigation Service Provider: 31-12-2021**

*Civil*

Civil ATS Approach Service Provider: 31-12-2021

Civil ATS En-Route Service Provider: 31-12-2021

*Military*

Military ATS Approach Service Provider: 31-12-2021

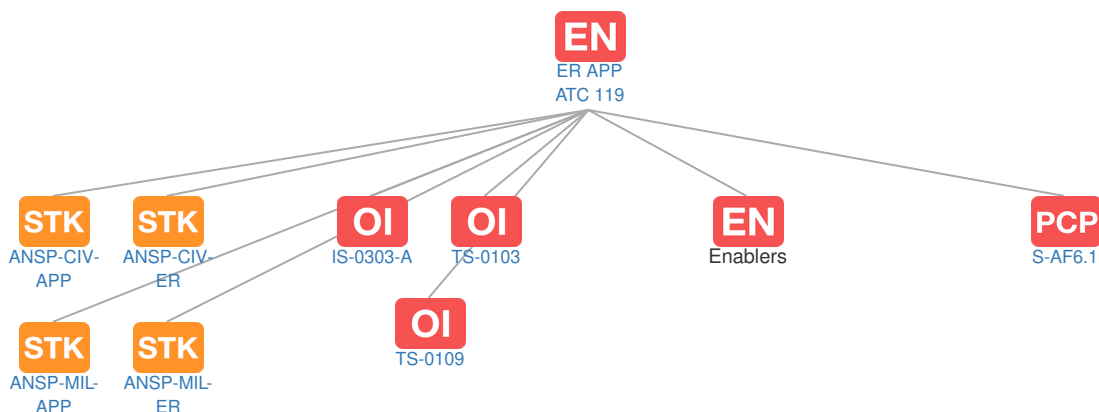
Military ATS En-Route Service Provider: 31-12-2021

**IOC** 31-12-2022

**FOC** 31-12-2026

## 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				
ER APP ATC 119				V4	V5					IOC - FOC																				
IS-0303-A																														
TS-0103																														
TS-0109																														

## Dependent Enablers

Relationship	Code	Title	Related Elements
Is synchronised with	A/C-31a	Controller pilot data link communication (CPDLC) compliant with ATN baseline 2 (FANS 3/C)	STK OI EN DS 
Is synchronised with	A/C-37a	Downlink of trajectory data according to contract terms (ADS-C) compliant to ATN baseline 2 (FANS 3/C)	STK OI EN DS PCP
Enabling	ER APP ATC 167	ATC Planned Trajectories improvement with new ADS-C reports, eFPL and surveillance information.	STK OI EN DS
Enabled by	REG-0012	CS in support of PCP AF3- Free Routes	OI EN
Enabled by	REG-0100	Regulatory Provisions for Datalink Extension (DLS II)	OI EN DS PCP
Enabled by	REG-0102	Means of Compliance for DLS II	EN

## PCP Elements

Code	Title	Related Elements
S-AF6.1	Initial trajectory information sharing (i4D)	SOL OI EN ICAO

## STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-APP	Civil ATS Approach Service Provider	EN
ANSP-CIV-ER	Civil ATS En-Route Service Provider	EN
ANSP-MIL-APP	Military ATS Approach Service Provider	EN
ANSP-MIL-ER	Military ATS En-Route 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