



# ER APP ATC 78 — Update FDP to support 4D trajectory direct segments in free routing airspace beyond local AoR

Update related systems (FDPSs) to support 4D trajectory direct segments in free routing airspace and support at ATC level the planning and execution of RBT/MBT across ACC/FIR/FAB and multiple AoRs. The 4D trajectory is the planned trajectory calculated by the ground system.

Updates to the 4D trajectory can be shared between ATC units to support decision making processes and operational procedures.

4D Trajectory data exchange will support coordination and transfer between units and extend beyond local AoR across the Aol.

4D Trajectory data exchange (ground-ground) can be achieved by use of OLDI or IOP.

Request on frequency between sector and request traffic skipping sectors (different time, different FL...) are possible.

**Category** SYSTEM

**Stakeholder** Air Navigation Service Provider

Civil

Civil ATS Approach Service Provider

Civil ATS En-Route Service Provider

**V3 End** 31-12-2019

**V4 Start** 31-12-2021

**V5 Start** 31-12-2024

**V4 End** 31-12-2024

**V5 End** 31-12-2026

**Air Navigation Service Provider: 31-12-2026**

Civil

Civil ATS Approach Service Provider: 31-12-2026

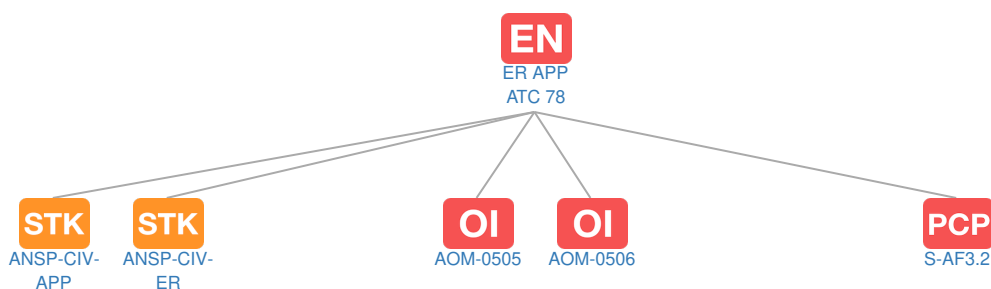
Civil ATS En-Route Service Provider: 31-12-2026

**IOC** 31-12-2026

**FOC** 31-12-2030

## 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													
ER APP ATC 78					▲			V4	V5	IOC - FOC																													
🔒 AOM-0505																																							
🔒 AOM-0506																																							

**EN** Dependent Enablers: No associated data

## PCP PCP Elements

Code	Title	Related Elements
S-AF3.2	Free Route	SOL OI EN OBJ 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

Standards: No associated data

**OBJ** Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

**PJ** SESAR Workpackages: No associated data