



# AERODROME-ATC-95 — Runway condition awareness management system based on surveillance

Runway condition awareness management system that delivers runway conditions takes into account surveillance data to analyze aircraft landing trajectories (direction control and deceleration curves of landing roll trajectory on the runway of each aircraft) and provide means to assess surveillance based friction estimate to compute and present runway information:

- to Airport Operator: for it as responsible of runway surface condition management to decide when treatment would be needed (to be coordinated with other stakeholders operating on the airport)
- to Tower Controller: for it to keep Flight Crews operating on the airport aware of runway surface condition

Runway condition awareness management system computes current runway condition for each third of each runway of the airport (using ICAO Global Reporting Format).

**Category** SYSTEM

**Stakeholder** Air Navigation Service Provider

*Civil*

Civil ATS Aerodrome Service Provider

*Military*

Military ATS Aerodrome Service Provider

**Airport Operator**

*Civil*

Civil APT operator

*Military*

Military APT operator

**V3 End** 31-12-2020

**V4 Start** 31-12-2022

**V5 Start** 31-12-2024

**V4 End** 31-12-2024

**V5 End** 31-12-2026

**Air Navigation Service Provider: 31-12-2027**

*Civil*

Civil ATS Aerodrome Service Provider: 31-12-2027

*Military*

Military ATS Aerodrome Service Provider: 31-12-2027

**Airport Operator: 31-12-2026**

*Civil*

Civil APT operator: 31-12-2026

*Military*

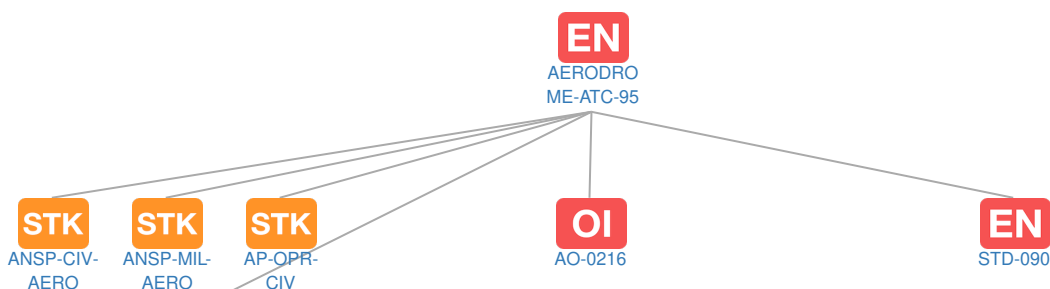
Military APT operator: 31-12-2026

**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													
AERODROME-ATC-95							▲			V4	V5	IOC - FOC																											
→ AO-0216																																							

## EN Dependent Enablers

Relationship	Code	Title	Related Elements
Enabled by	STD-090	Update of ICAO standards for Global Reporting Format of runway surface conditions	STK EN

## PCP PCP Elements: No associated data

## STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	EN
ANSP-CIV-AERO	Civil ATS Aerodrome Service Provider	EN  
ANSP-MIL-AERO	Military ATS Aerodrome Service Provider	EN  
AO	Airport Operator	EN
AP-OPR-CIV	Civil APT operator	EN  
AP-OPR-MIL	Military APT operator	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