



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

V4 End 31-12-2024

V5 Start 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

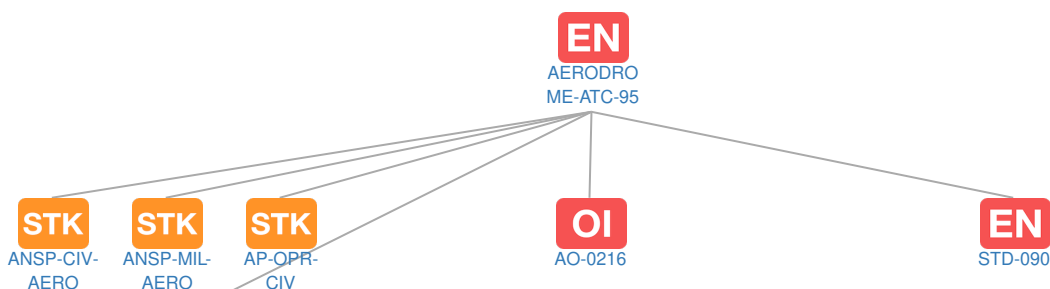
Military APT operator: 31-12-2026

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