



AERODROME-ATC-32 — Runway condition awareness management system based on weather-based runway condition model

Runway condition awareness management system that delivers runway conditions takes into account a weather model that computes and presents 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 Code (Current RWYCC) 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

Civil MET Service Provider

Military

Military ATS Aerodrome Service Provider

Military MET 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

Civil MET Service Provider: 31-12-2027

Military

Military ATS Aerodrome Service Provider: 31-12-2027

Military MET 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



AERODRO
ME-ATC-32





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-32 | | | | | | ▲ | | | V4 | V5 | IOC - FOC | | | | | | | | | | | | | | | | | | | |
| 🔒 AO-0216 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ➔ AUO-0704 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Dependent Enablers

| Relationship | Code | Title | Related Elements |
|--------------|------------------|---|------------------|
| Enabling | AERODROME-ATC-26 | Runway condition awareness management system based on runway sensors | STK OI EN |
| Enabling | AERODROME-ATC-96 | Runway condition awareness management system based on braking action data reported by flight crew | STK OI EN |

PCP Elements: No associated data

Stakeholders

| Code | Title | Related Elements |
|---------------|---|------------------|
| ANSP | Air Navigation Service Provider | EN |
| ANSP-CIV-AERO | Civil ATS Aerodrome Service Provider | EN 🧑⚙️ |
| ANSP-CIV-MET | Civil MET Service Provider | EN 🧑⚙️ |
| ANSP-MIL-AERO | Military ATS Aerodrome Service Provider | EN 🧑⚙️ |
| ANSP-MIL-MET | Military MET 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

Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

SESAR Workpackages: No associated data

