

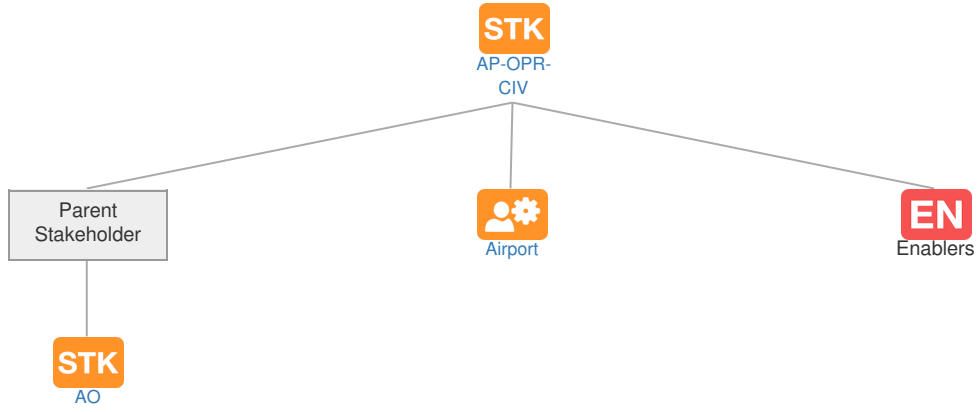


# AP-OPR-CIV - Civil APT operator

A public or private entity responsible for the management of one or more airports.

## Context

### Related Elements



## STK Parent Stakeholder

| Title            | Description  | Related Elements |
|------------------|--|------------------|
| Airport Operator | A public or private entity responsible for the management of one or more airports. | EN               |

## STK Child Stakeholders: No associated data

## EN Enablers

| Code              | Title   | IOC        | Related Elements    | Analysis |
|-------------------|---|------------|---------------------|----------|
| AERODROME-ATC-03  | Surface movement control workstation equipped with tools for runway incursion detection and alerting  | 30-04-2014 | STK OI EN           | Analysis |
| AERODROME-ATC-05  | Surface movement information processing enhancements to support Total Airport DCB and collaborative airport planning  | 31-10-2028 | STK OI              | Analysis |
| AERODROME-ATC-13  | Surface movement information processing system enhanced with storage and dissemination of surface routes  | 31-12-2021 | STK OI EN DS<br>PCP | Analysis |
| AERODROME-ATC-20  | Enhanced ADDEP (Airport Departure Data Entry Panel)   | 31-12-2017 | STK OI EN DS        | Analysis |
| AERODROME-ATC-22  | Surface movement control workstation equipped with tools for resolution of surface conflicts  | 31-12-2027 | STK OI EN           | Analysis |
| AERODROME-ATC-26  | Runway condition awareness management system based on runway sensors  | 31-12-2026 | STK OI EN           | Analysis |
| AERODROME-ATC-32  | Runway condition awareness management system based on weather-based runway condition model  | 31-12-2026 | STK OI EN DS        | Analysis |
| AERODROME-ATC-28  | Surface movement control workstation equipped with initial tools for Aerodrome Control Service  | 31-12-2006 | STK OI EN           | Analysis |
| AERODROME-ATC-32  | Runway condition awareness management system based on weather-based runway condition model  | 31-12-2026 | STK OI EN DS        | Analysis |
| AERODROME-ATC-36  | Airport surveillance data processing and distribution upgraded to store and forward flight plan data  | 31-12-2006 | STK OI OBJ          | Analysis |
| AERODROME-ATC-39  | Digital ATIS (D-ATIS) provision to the aircraft   | 31-12-2007 | STK OI              | Analysis |
| AERODROME-ATC-47  | Airport ATC Subsystem to incorporate aircraft observed runway surface condition   | 31-12-2026 | STK OI EN           | Analysis |
| AERODROME-ATC-61  | Enhanced surface guidance management services to process the automatic triggering of airport ground signs according to the route issued by ATC              | 31-03-2022 | STK OI EN DS        | Analysis |
| AERODROME-ATC-61b | Advanced surface guidance management services to process the automatic triggering of airport ground signs and lighting according to the route issued by ATC | 30-12-2027 | STK OI EN DS        | Analysis |
| AERODROME-ATC-64  | Medium-Short Term Runway Management capacity planning support tool  | 31-12-2027 | STK OI EN           | Analysis |
| AERODROME-ATC-65  | Tactical Runway Management capacity planning support tool   | 31-12-2027 | STK OI EN           | Analysis |
| AERODROME-ATC-79  | Provide a Multiple Remote Tower Module (MRTM) that enables one ATCO to control multiple remote towers simultaneously  | 30-06-2027 | STK OI DS           | Analysis |
| AERODROME-ATC-81  | ATCO planning tool for a Multiple Remote Tower Module (MRTM)  | 30-06-2027 | STK OI DS           | Analysis |
| AERODROME-ATC-82  | Technical supervision from a Multiple Tower Remote Module (MRTM)  | 30-06-2027 | STK OI DS           | Analysis |
| AERODROME-ATC-83  | Multiple Remote Tower planning tools for Supervisor   | -          | STK OI DS           | Analysis |
| AERODROME-ATC-84  | Multiple Remote Tower Module allowing dynamic allocation of aerodromes  | -          | STK OI DS           | Analysis |
| AERODROME-ATC-85  | Provide the Multiple Remote Tower Module with automation functionalities to reduce controller workload  | -          | STK OI DS           | Analysis |
| AERODROME-ATC-87  | RWSL management tool fed with airport surveillance data to determine runway usage and to control the airfield Runway Status Lights                          | 29-04-2021 | STK OI EN DS        | Analysis |
| AERODROME-ATC-88  | Multiple Remote Tower Module provided with basic ground surveillance  | 31-12-2026 | STK OI              | Analysis |

| Code             | Title  | IOC        | Related Elements    | Analysis |
|------------------|--|------------|---------------------|----------|
| AERODROME-ATC-92 | Real-time Airport Weather Observation service with Artificial Intelligence algorithms  | 31-10-2029 | STK OI DS           | Analysis |
| AERODROME-ATC-95 | Runway condition awareness management system based on surveillance   | 31-12-2026 | STK OI EN           | Analysis |
| AERODROME-ATC-96 | Runway condition awareness management system based on braking action data reported by flight crew                                | 31-12-2026 | STK OI EN           | Analysis |
| AERODROME-ATC-32 | Runway condition awareness management system based on weather-based runway condition model                                       | 31-12-2026 | STK OI EN DS        | Analysis |
| AERODROME-ATC-97 | Runway condition awareness management system based on manual assessment of contamination   | 31-12-2026 | STK OI EN           | Analysis |
| AERODROME-ATC-98 | Runway condition awareness management system providing predicted runway surface information                                      | 31-12-2026 | STK OI EN           | Analysis |
| AIMS-07a         | Generation of Enhanced Pre-flight Briefing based on digital data   | 31-12-2023 | STK OI EN DS        | Analysis |
| AIMS-13          | Controlled & Harmonised Aeronautical Information Network Activity (CHAIN)  | 31-12-2006 | STK OI              | Analysis |
| AIMS-16          | Electronic Terrain and Obstacle Data (TOD)   | 31-12-2023 | STK OI EN OBJ<br>DS | Analysis |
| AIMS-23          | Enhanced digital data chain to ensure Aeronautical Information data provision to meet full 4D trajectory management requirements | 31-12-2023 | STK OI DS           | Analysis |
| AIRPORT-01       | In-vehicle access to ground clearances and information   | 31-12-2027 | STK OI EN DS        | Analysis |
| AIRPORT-02       | TTA Airport Impact Assessment Tool   | 31-12-2021 | STK OI EN DS        | Analysis |
| AIRPORT-02b      | Enhanced Airport Impact Assessment Tool  | -          | STK OI EN DS        | Analysis |
| AIRPORT-03       | Airports Operation Plan (AOP) tool   | 31-12-2020 | STK OI EN DS<br>PCP | Analysis |
| AIRPORT-03b      | Enhanced Airport Operation Plan (AOP) Tool   | 31-12-2027 | STK OI EN DS        | Analysis |
| AIRPORT-03c      | Light Airport Operational Plan (AOP) Management Tool (for Regional Airports)   | 31-12-2028 | STK OI EN DS        | Analysis |
| AIRPORT-04       | De-icing support tool in a A-CDM environment   | 31-12-2022 | STK OI EN DS        | Analysis |
| AIRPORT-06       | UDPP Departure on A-CDM Airport system   | -          | STK OI EN DS        | Analysis |
| AIRPORT-07       | Decision support processes/tools for airport operations management   | 31-12-2027 | STK OI EN DS        | Analysis |
| AIRPORT-08       | Decay Enhancing Devices  | 31-08-2025 | STK OI DS           | Analysis |
| AIRPORT-09       | Airport Data Replay System   | 31-12-2026 | STK OI EN           | Analysis |
| AIRPORT-51       | Airport Data Recording System  | 31-12-2026 | STK OI EN DS        | Analysis |
| AIRPORT-10       | Meteo Impact Assessment Tool   | 31-12-2028 | STK OI DS           | Analysis |
| AIRPORT-11       | Meteo Advisory Tool  | 31-12-2027 | STK OI              | Analysis |
| AIRPORT-12       | Airport Business Intelligence System (Machine Learning based on historical data)   | 31-12-2028 | STK OI EN           | Analysis |
| AIRPORT-51       | Airport Data Recording System  | 31-12-2026 | STK OI EN DS        | Analysis |
| AIRPORT-16       | Provide a ground-based vehicles management service to support 'Non-autonomous Engine-off Taxiing'.                               | -          | STK OI              | Analysis |
| AIRPORT-30       | Use of airport wireless communication infrastructure for mobile data'  | 31-12-2022 | STK OI EN DS        | Analysis |
| AIRPORT-31       | Airport CDM (levels 1, 2 & 3)  | 26-06-2010 | STK OI EN DS<br>PCP | Analysis |
| AIRPORT-34       | Airport equipped with (real time) environmental monitoring systems   | 31-12-2008 | STK OI DS           | Analysis |
| AIRPORT-35a      | Airport CDM (level 4 - CDM integrated with passenger process)  | 31-12-2023 | STK OI EN DS        | Analysis |
| AIRPORT-35b      | Airport CDM (level 4 - CDM integrated with landside processes)   | 31-12-2028 | STK OI DS           | Analysis |
| AIRPORT-36       | Provision by the Airport Operator of the relevant constraint to Aerodrome ATC  | 31-12-2019 | STK OI EN DS        | Analysis |
| AIRPORT-37       | Systems for the detection and identification of Foreign Objects Debris (FOD).  | 31-10-2010 | STK OI              | Analysis |

| Code        | Title   | IOC        | Related Elements    | Analysis |
|-------------|---|------------|---------------------|----------|
| AIRPORT-38  | Airport/ATFCM Extended data interface   | 31-12-2020 | STK OI EN DS<br>PCP | Analysis |
| AIRPORT-40  | Airport Performance Monitoring System   | 31-12-2022 | STK OI EN DS        | Analysis |
| AIRPORT-40b | Enhanced Airport Performance Monitoring System (Airside/Lanside dashboard)  | 31-12-2028 | STK OI EN DS        | Analysis |
| AIRPORT-41  | Airport Operations Centre Support Tools (Dashboard)   | 31-12-2028 | STK OI DS           | Analysis |
| AIRPORT-42  | Tactical Capacity Planning Tools (Airside/Landside)   | 31-12-2028 | STK OI DS           | Analysis |
| AIRPORT-44  | On-board vehicle display for taxi information and clearances, using common airport map database   | -          | STK OI EN DS        | Analysis |
| AIRPORT-45  | On-board vehicle system to provide safety net alerts to vehicle drivers   | 31-12-2022 | STK OI EN DS        | Analysis |
| AIRPORT-46  | On-board vehicle safety net alerts generation   | 31-12-2022 | STK OI EN DS        | Analysis |
| AIRPORT-47  | Surface Traffic Situational Awareness to process and display in an 'On-board Vehicle System' the own position and surrounding traffic.    | 31-12-2022 | STK OI EN DS        | Analysis |
| AIRPORT-48  | Advanced Airport UDPP integrated with AOP Monitoring  | 31-12-2027 | STK OI DS           | Analysis |
| AIRPORT-49  | Airfield Ground Lighting system upgraded to provide the Runway Status Lights  | 29-04-2021 | STK OI EN DS        | Analysis |
| AIRPORT-50  | Airport Operational Business Model Database for Determination of CDM Event Milestones   | 31-12-2028 | STK OI DS           | Analysis |
| AIRPORT-51  | Airport Data Recording System   | 31-12-2026 | STK OI EN DS        | Analysis |
| AIRPORT-52  | DPI/API revision triggered by airport capacity constrained situations   | 31-12-2027 | STK OI DS           | Analysis |
| AIRPORT-54  | Airport Data Analysis System (Post-Ops based on Recording)  | 31-12-2026 | STK OI EN DS        | Analysis |
| AIRPORT-51  | Airport Data Recording System   | 31-12-2026 | STK OI EN DS        | Analysis |
| AIRPORT-55  | Data transmission means supporting aircraft-airport exchange of information (airport side)  | 31-12-2026 | STK OI EN           | Analysis |
| APP ATC 110 | Enhance Arrival Management to collaborate with non-local Departure Management.  | 31-12-2028 | STK OI DS           | Analysis |
| CTE-C02d    | New Airport Datalink technology (AEROMACS)  | 31-12-2022 | STK OI EN DS<br>⚙️  | Analysis |
| CTE-C02d0   | New Airport Datalink technology (AEROMACS)  | 31-12-2029 | STK OI DS           | Analysis |
| CTE-C03c    | Commercial wireless technologies at the Airport surface (not for safety-critical services)  | 31-12-2029 | STK OI DS ⚙️        | Analysis |
| CTE-C14     | Advanced VCS (Voice Com System) for a Multiple Remote Tower Module (MRTM)   | 30-06-2027 | STK OI DS           | Analysis |
| CTE-S05     | Gradual rationalisation of conventional surveillance infrastructure (ADS-B/WAM vs SSR and MPPSR vs PSR)                                   | 12-09-2018 | STK OI EN ⚙️        | Analysis |
| CTE-S06     | Composite Surveillance  | -          | STK OI EN DS        | Analysis |
| CTE-S07b    | Coop sensor SPM Tool ∫ Surface  | 08-06-2030 | STK OI EN DS        | Analysis |
| CTE-S07d    | Non-Coop sensor SPM Tool ∫ Surface  | 08-06-2030 | STK OI EN DS        | Analysis |
| GGSWIM-11   | ATM Information based on a common Aeronautical Information Exchange Model (AIXM)  | 31-12-2012 | STK OI              | Analysis |
| HUM-007     | New communication and interaction patterns between stakeholders of airport operations linked to collaborative rolling AOP/NOP management. | 31-12-2019 | STK OI DS PCP<br>👤  | Analysis |
| HUM-008     | Role of APOC supervisor   | 31-12-2027 | STK OI DS 👤         | Analysis |
| HUM-009     | New role of APOC representative from Airport Operator   | 31-12-2023 | STK OI DS 👤         | Analysis |
| HUM-010     | New role of APOC representative from Ground Handling Agent  | -          | STK OI DS 👤         | Analysis |
| HUM-013     | Tasks transfer from AOP stakeholders to APAMS   | 31-12-2023 | STK OI 👤            | Analysis |
| HUM-014     | New interactions and communication patterns for the integration of landside process outputs into the A-CDM process.                       | 31-12-2023 | STK OI DS 👤         | Analysis |

| Code        | Title  | IOC        | Related Elements    | Analysis |
|-------------|--|------------|---------------------|----------|
| HUM-015     | New working methods for the integration of landside process outputs into the A-CDM process.  | 31-12-2023 | STK OI DS           | Analysis |
| HUM-016     | New working methods for the integration of the Airport Transit View (ATV) into the A-CDM process.  | 31-12-2022 | STK OI DS           | Analysis |
| METEO-03    | Provision and monitoring of real-time airport weather information (PCP)  | 01-07-2022 | STK OI EN DS<br>PCP | Analysis |
| METEO-04b   | Generate and provide MET information services relevant for Airport and final approach related operations (PCP)   | 01-07-2022 | STK OI EN DS<br>PCP | Analysis |
| METEO-04c   | Generate and provide MET information relevant for Airport and approach related operations at short notice ('time to decision' between 3 minutes and 7days) including rotorcraft and RPAS   | 31-12-2026 | STK OI EN DS<br>    | Analysis |
| MIL-0108    | Exchange of specific MT data (ARES description) in standard format   | 31-12-2027 | STK OI              | Analysis |
| NIMS-06     | Network information management system equipped with post-analysis tools for airport traffic  | 31-12-2017 | STK OI              | Analysis |
| NIMS-13b    | Enhanced short term ATFM measures ( STAM)  | 31-12-2019 | STK OI DS PCP       | Analysis |
| NIMS-13c    | Full regional support of dDCB  | 01-04-2023 | STK OI DS           | Analysis |
| NIMS-18     | Flight Planning management sub-system enhanced to use the latest airspace information  | 30-01-2006 | STK OI              | Analysis |
| NIMS-33     | Dedicated tools supporting Airport Slot Monitoring (e.g. Stanly, AMON)   | 31-12-2010 | STK OI              | Analysis |
| NIMS-41     | NM interface capable to integrate Airport impact assessment  | 31-12-2021 | STK OI EN DS        | Analysis |
| NIMS-46     | Integrated local DCB working position  | 31-12-2027 | STK OI DS           | Analysis |
| PRO-028     | Procedures to support AOP-NOP collaborative process  | 31-12-2019 | STK OI DS PCP       | Analysis |
| PRO-042b    | ATC Contingency Procedures (Airport) for ameliorating the consequences of a critical event as well as Procedures for coordinating with operators affected including any adjustments to priority rules  | 31-12-2012 | STK OI              | Analysis |
| PRO-062b    | Airport Operational Procedures implementing Best Practices for Prevention of Runway Incursions   | 31-12-2007 | STK OI              | Analysis |
| PRO-073     | Airport Procedures to maximise throughput of de-icing stands   | 26-06-2010 | STK OI EN           | Analysis |
| PRO-073a    | Procedures to optimise the de-icing process within the constraints of the operational schedule, the optimal runway use and the local de-icing capacity.  | 31-12-2022 | STK OI EN DS        | Analysis |
| PRO-075     | Airport infrastructure and procedures governing de-icing to isolate surface water systems, collect and dispose of run-off, use the least harmful chemical, reduce the quantities required, reduce delays and increase recovered volumes of fluid | 31-12-2008 | STK OI              | Analysis |
| PRO-137     | Airport Operations Procedures for vehicle drivers for systematic, standard response to safety alerts   | 31-12-2016 | STK OI              | Analysis |
| PRO-190     | ATC Procedures for Managing Environmental Noise Capacity   | 31-12-2008 | STK OI              | Analysis |
| PRO-201a    | Procedures linked to Improvement of Surveillance on the Manoeuvring Area on and around the Runway  | 31-12-2006 | STK OI              | Analysis |
| PRO-204a    | Collaborative Procedures (Airport) for improving Airport Operations in Adverse Conditions  | 31-12-2007 | STK OI              | Analysis |
| PRO-213a    | CDM information sharing Airport Procedures for turn-around   | 26-06-2010 | STK OI              | Analysis |
| PRO-214a    | Airport CDM Procedures for pre-departure sequencing  | 26-06-2010 | STK OI PCP          | Analysis |
| PRO-242     | Procedure for the collection of the Airport slots  | 31-12-2012 | STK OI              | Analysis |
| PRO-246     | Procedures for standardised response to Runway Status Lights   | 29-04-2021 | STK OI DS           | Analysis |
| PRO-249     | Procedures Linked to Collaborative Airport Performance Management  | 31-12-2028 | STK OI EN DS        | Analysis |
| PRO-253     | APOC Adverse Situation Collaboration Procedure with Remote Airports  | -          | STK                 | Analysis |
| PRO-ENV-12a | Exploiting new ATM and aircraft capabilities to optimise the aircraft noise footprint at airports (Airlines)   | 31-12-2008 | STK OI              | Analysis |
| PRO-ENV-12b | Exploiting new ATM and aircraft capabilities to optimise the aircraft noise footprint at airports (Airports)   | 31-12-2008 | STK OI              | Analysis |

| Code          | Title  | IOC        | Related Elements      | Analysis |
|---------------|--|------------|-----------------------|----------|
| PRO-ENV-13a   | Airline Procedures for exploiting new ATM and aircraft capabilities with a view to optimising atmospheric emissions from aircraft operations | 31-12-2008 | STK OI                | Analysis |
| PRO-ENV-13b   | Airport Procedures for exploiting new ATM and aircraft capabilities with a view to optimising atmospheric emissions from aircraft operations | 31-12-2008 | STK OI                | Analysis |
| SVC-039       | Provision of cost-efficient Aeronautical Digital Maps using a Common Service   | 20-12-2025 | STK OI DS             | Analysis |
| SWIM-APS-01a  | Provision of G/G Aeronautical Information services   | 31-12-2020 | STK OI EN DS<br>PCP S | Analysis |
| SWIM-APS-02a  | Consumption of Aeronautical Information services   | 31-12-2020 | STK OI EN DS<br>PCP S | Analysis |
| SWIM-APS-04a  | Consumption of G/G ATFCM Information Services  | 31-12-2020 | STK OI EN DS<br>PCP S | Analysis |
| SWIM-APS-06a  | Provision of Airport Ground Sensor Meteorological Information Services   | -          | STK OI EN DS<br>PCP S | Analysis |
| SWIM-APS-07a  | Stakeholder systems consumption of G/G Meteorological Information services   | 31-12-2023 | STK OI EN DS<br>PCP S | Analysis |
| SWIM-APS-12a  | Provision and Consumption of general information for air traffic management using SWIM   | 31-12-2019 | STK OI EN S           | Analysis |
| SWIM-INFR-05a | General SWIM Services infrastructure Support and Connectivity.   | 31-12-2020 | STK OI EN DS<br>PCP   | Analysis |
| SWIM-INFR-06b | Ground side SWIM technical infrastructure for Air-Ground Advisory Information Sharing  | 31-12-2028 | STK OI EN DS          | Analysis |
| SWIM-NET-01a  | SWIM Network Point of Presence   | 31-12-2020 | STK OI EN DS<br>PCP   | Analysis |
| SWIM-SUPT-05a | SWIM Supporting IP Network Bridging Provisions   | 31-12-2015 | STK OI EN             | Analysis |