

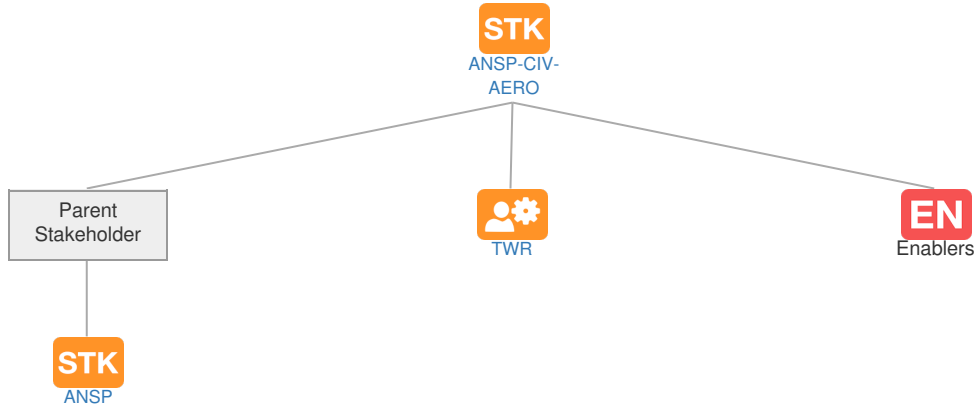


# ANSP-CIV-AERO - Civil ATS Aerodrome Service Provider

The provider of air traffic services for aerodrome traffic at one or more aerodromes.

## Context

### Related Elements



## STK Parent Stakeholder

Title	Description	Related Elements
Air Navigation Service Provider	A public or private entity providing air navigation services	EN

## STK Child Stakeholders: No associated data

## EN Enablers

Code	Title	IOC	Related Elements	Analysis
AERODROME-ATC-01	Surface movement control workstation equipped with tools for Controller-Pilot dialogue using datalink	31-12-2026	STK OI EN	Analysis
AERODROME-ATC-02a	Surface movement management tools updated to provide the D-TAXI information to the pilot	31-12-2022	STK OI EN DS	Analysis
AERODROME-ATC-02b	Surface movement management tools updated to provide the data-link information to the pilot for Trajectory Based Operations	31-12-2028	STK OI EN DS	Analysis
AERODROME-ATC-03a	Runway monitoring and conflict alerting (RMCA) system based on alternative aerodrome surveillance	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-04	ANSP Civil ATS Aerodrome service providers (incl. Civil - AMS Apron Management Service)		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-06	A-SMGCS incorporating the function that detects Conflicting ATC Clearances (CATC) for runway operations	-	STK OI EN DS PCP	Analysis
AERODROME-ATC-06a	Alternative aerodrome surveillance incorporating the function that detects Conflicting ATC Clearances (CATC) for runway operations	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-06b	A-SMGCS incorporating the function that detects Conflicting ATC Clearances (CATC) on the entire airport surface	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-07	A-SMGCS incorporating the function that provides Conformance Monitoring Alerts for Controllers (CMAC) on the movement area	-	STK OI EN DS PCP	Analysis
AERODROME-ATC-07a	Alternative aerodrome surveillance incorporating the function that provides Conformance Monitoring Alerts for Controllers (CMAC) on the movement area	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-07b	A-SMGCS incorporating the function that provides an advanced set of Conformance Monitoring Alerts for Controllers (CMAC) on the movement area	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-08	Basic Departure Management (DMAN) integrated with A-CDM systems	31-12-2010	STK OI EN DS PCP	Analysis
AERODROME-ATC-09a	Flow based Improvement of operational orchestration among arrival / departure management and surface management services	31-12-2021	STK OI EN DS	Analysis
AERODROME-ATC-09c	Improvement of operational orchestration among arrival / departure management and surface management services		STK OI EN	Analysis
AERODROME-ATC-12	Provision of automatically generated taxi routes for aircraft and vehicles	-	STK OI EN DS PCP	Analysis
AERODROME-ATC-12b	Provision of optimised taxi routes for mobiles on the movement area	31-12-2028	STK OI EN DS	Analysis
AERODROME-ATC-13	Surface movement information processing system enhanced with storage and dissemination of surface routes	31-12-2021	STK OI EN DS PCP	Analysis
AERODROME-ATC-14	Surface movement management tools updated to provide ground clearances and information to the vehicle driver	31-12-2028	STK OI EN DS	Analysis
AERODROME-ATC-16a	Runway Usage Management sub-system capable of processing dynamic wake-turbulence information	31-12-2023	STK OI EN	Analysis

Code	Title	IOC	Related Elements	Analysis
AERODROME-ATC-17	Airport ATC tool to Support Time-Based Separation in Final Approach	31-12-2019	STK OI DS PCP	Analysis
AERODROME-ATC-18	Interfacing between DMAN and Routing module	31-12-2019	STK OI DS	Analysis
AERODROME-ATC-19	Runway Usage Management sub-system capable of processing initial departure path wind conditions information	03-03-2025	STK OI EN DS	Analysis
AERODROME-ATC-20	Enhanced ADDEP (Airport Departure Data Entry Panel)	31-12-2017	STK OI EN DS	Analysis
AERODROME-ATC-21	A-SMGCS extended with dedicated processing to provide alerts for vehicles	31-12-2022	STK OI EN DS	Analysis
AERODROME-ATC-23a	Enhanced A-SMGCS Core Surveillance function for new A-SMGCS Services	-	STK OI	Analysis
AERODROME-ATC-25	Aerodrome ATC System to support Second Runway Aiming Point operations	31-08-2026	STK OI EN DS	Analysis
AERODROME-ATC-27	Sequence Management system enhanced to use new wake turbulence separations	31-08-2026	STK OI	Analysis
AERODROME-ATC-28b	Surface movement control workstation in Alternative Ground Surveillance environment	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-29	Enhanced Runway Demand and Capacity system for mixed mode runway	-	STK OI EN	Analysis
AERODROME-ATC-31	Surface movement control workstation equipped with tools to better prevent runway excursions	31-12-2029	STK OI EN DS	Analysis
STD-090	Update of ICAO standards for Global Reporting Format of runway surface conditions	-	STK 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-33	Coupled sequencing tool enhanced to better handle arrivals and departures	31-08-2026	STK OI EN DS	Analysis
AERODROME-ATC-34	Sequence Management system enhanced to use reduced and predicted ROT	31-08-2026	STK OI EN	Analysis
AERODROME-ATC-35	Surface movement management services enhanced to process the runway exit proposal to be uplinked to the aircraft	31-12-2022	STK OI EN	Analysis
AERODROME-ATC-41	Synchronization of departing traffic flows from multiple airports	31-12-2028	STK OI EN DS	Analysis
AERODROME-ATC-42a	Airport ATC tool to support static pair-wise wake separation (S-PWS) in final approach	31-12-2025	STK OI EN DS	Analysis
REG-0523	Regulatory provisions for static pair-wise wake separation minima (S-PWS)	-	STK EN	Analysis
AERODROME-ATC-44a	Departure sequence updated taking into account surface management information	31-12-2018	STK OI PCP	Analysis
AERODROME-ATC-45	Communication DataLink supporting trajectory management and other flight information during approach, landing, and taxi and departure.	-	STK OI EN	Analysis
AERODROME-ATC-47	Airport ATC Subsystem to incorporate aircraft observed runway surface condition	31-12-2026	STK OI EN	Analysis
STD-090	Update of ICAO standards for Global Reporting Format of runway surface conditions	-	STK EN	Analysis
AERODROME-ATC-50	Advanced Airport Tower Controller Working Position (A-CWP)	31-12-2019	STK OI EN DS PCP	Analysis
AERODROME-ATC-51	Remote Tower Centre (RTC) position that in contingency situation hosts ATCO that will no longer be located at the local Tower.	17-01-2021	STK OI DS	Analysis
AERODROME-ATC-52	Provide Remote Tower Controller position with visual reproduction of both remotized aerodrome views and other sensor data.	31-12-2020	STK OI EN DS	Analysis
AERODROME-ATC-53	Remote Tower controller position enhanced with additional sources for low visibility conditions	31-12-2020	STK OI EN DS	Analysis
AERODROME-ATC-54	Provide a Remote CWP that enables one ATCO to control 2 remote towers (low-density) simultaneously	15-11-2019	STK OI DS	Analysis
AERODROME-ATC-55	Airport ATC analyser tool for predicting ROT	31-08-2026	STK OI EN DS	Analysis
AERODROME-ATC-56	Airport ATC Function exchange current ROT information between a/c and ATC Systems	31-12-2025	STK OI	Analysis
AERODROME-ATC-57	Advanced Airport Tower CWP to support new functionalities	-	STK OI DS	Analysis

Code	Title	IOC	Related Elements	Analysis
AERODROME-ATC-58	Agile synchronisation of arrivals with departure information for the same airport	31-08-2026	STK OI DS	Analysis
AERODROME-ATC-59	Enhanced Surveillance data processing on Airport Surface (APT)	31-12-2020	STK OI DS	Analysis
AERODROME-ATC-60	Airport ATC system to monitor wake turbulence risk using ground-based LIDAR/Radar	-	STK OI	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-63	Handle enhanced braking information coordinated between Ground ATC and Pilot via data link	31-12-2022	STK OI EN	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-66	Tower A-CWP interfaced to the Runway Status Lights management tool	29-04-2021	STK OI EN DS	Analysis
AERODROME-ATC-67	Surface movement control workstation equipped with tools for management of Virtual Block Control supporting LVP	27-02-2021	STK OI EN DS	Analysis
AERODROME-ATC-68	ATC System to support Optimised Runway Delivery on Final Approach	31-12-2025	STK OI DS	Analysis
AERODROME-ATC-69	ATC system to support optimised departure separation	31-12-2025	STK OI DS	Analysis
AERODROME-ATC-70	Aerodrome ATC System to support Dual Thresholds operations	31-08-2026	STK OI EN DS	Analysis
AERODROME-ATC-71	Aerodrome ATC System to support Increased Glide slope operations	31-08-2026	STK OI EN DS	Analysis
AERODROME-ATC-72	Aerodrome ATC system to support Adaptive Increased Glide Slope operations	31-08-2026	STK OI EN	Analysis
AERODROME-ATC-73	Aerodrome ATC System to support Segmented/Double Slope operations	31-12-2029	STK OI EN	Analysis
AERODROME-ATC-74	Runway Demand and Capacity system enhanced for multiple runway airport	31-08-2026	STK OI EN DS	Analysis
AERODROME-ATC-75	Tools for provision of alternative ground surveillance and MET conditions (relevant in LVC)	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-77	Aerodrome ATC system to support efficient curved arrival and departures operations	-	STK OI DS	Analysis
AERODROME-ATC-78	Airport ATC System adapted to present RECAT-EU categories on Tower Controller HMI	01-12-2015	STK OI EN	Analysis
REG-0520	EASA State Letter for RECAT-EU Scheme	10-10-2014	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-86	Workstation equipped with 'bubble separation' or 'spacing' tools for monitoring the reduction of spacing between two aircraft	31-12-2028	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-89	Controller working position equipped with tools providing time critical weather alerts	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-90	ATC Tower System equipped with Taxiway Conflict Detection	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-91	ATC Tower System equipped with Traffic Density Estimation	31-12-2029	STK OI	Analysis
AERODROME-ATC-92	Real-time Airport Weather Observation service with Artificial Intelligence algorithms	31-10-2029	STK OI DS	Analysis
AERODROME-ATC-93	Aerodrome ATC system to support optimised runway separation delivery in mixed mode operations	31-08-2026	STK OI EN	Analysis
AERODROME-ATC-94	Aerodrome ATC system to support IGS-to-SRAP operations	31-08-2026	STK OI EN DS	Analysis

Code	Title	IOC	Related Elements	Analysis
AERODROME-ATC-95	Runway condition awareness management system based on surveillance	31-12-2026	STK OI EN	Analysis
STD-090	Update of ICAO standards for Global Reporting Format - of runway surface conditions	-	STK 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
STD-090	Update of ICAO standards for Global Reporting Format - of runway surface conditions	-	STK EN	Analysis
AERODROME-ATC-100	Controller productivity enhancements by Automatic Speech Recognition at the Aerodrome CWP/HMI	31-12-2029	STK OI DS	Analysis
AERODROME-ATC-101	Controller productivity enhancements by User Profile Management at the Aerodrome CWP/HMI	31-12-2029	STK OI DS	Analysis
AIMS-07a	Generation of Enhanced Pre-flight Briefing based on digital data	31-12-2023	STK OI EN DS	Analysis
AIMS-14	Set up a digital data chain to ensure the Aeronautical Information data provision into on-board avionic systems	31-10-2020	STK OI EN 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-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-14	Surface movement control workstation equipped with tools for conflict detection and alerting for Runway operations in an uncontrolled environment	31-12-2027	STK	Analysis
AIRPORT-33	Provision of departure and arrival constraints to the Aerodrome ATC surface management	-	STK OI PCP	Analysis
CTE-C02d0	New Airport Datalink technology (AEROMACS)	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-S02b	Surface Movement Radar	31-12-2007	STK OI EN OBJ *	Analysis
CTE-S02d	Video Based Surveillance	-	STK OI EN DS *	Analysis
CTE-S03	ADS-B Receiving Station	31-12-2008	STK OI EN DS *	Analysis
CTE-S03b	ADS-B station for RAD and APT surveillance	31-12-2020	STK OI EN OBJ DS *	Analysis
CTE-S03c	New ADS-B station for future ADS-B applications	31-12-2024	STK OI EN DS *	Analysis
CTE-S03e	ADS-B transmitter for vehicles	31-12-2008	STK OI EN	Analysis
CTE-S03f	New ADS-B receiver for vehicles	31-12-2008	STK OI EN DS *	Analysis
CTE-S04	Multilateration ground System	31-12-2010	STK OI DS *	Analysis
CTE-S04b	Airport Multilateration (MLAT)	31-12-2007	STK OI EN OBJ DS *	Analysis
CTE-S05	Gradual rationalisation of conventional surveillance infrastructure (ADS-B/WAM vs SSR and MSPSR vs PSR)	12-09-2018	STK OI EN *	Analysis
CTE-S06	Composite Surveillance	-	STK OI EN DS	Analysis

Code	Title	IOC	Related Elements	Analysis
CTE-S02b	Surface Movement Radar	31-12-2007	STK <b>OI</b> <b>EN</b> <b>OBJ</b>	Analysis
CTE-S02d	Video Based Surveillance	-	STK <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
CTE-S03c	New ADS-B station for future ADS-B applications	31-12-2024	STK <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
CTE-S04b	Airport Multilateration (MLAT)	31-12-2007	STK <b>DS</b> <b>OI</b> <b>EN</b> <b>OBJ</b>	Analysis
CTE-S07	Surveillance Performance Monitoring Tools	08-06-2030	STK <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
CTE-S07b	Coop sensor SPM Tool $\zeta$ Surface	08-06-2030	STK <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
CTE-S07d	Non-Coop sensor SPM Tool $\zeta$ Surface	08-06-2030	STK <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
ER APP ATC 86	Enhance FDP to use locally related parts of the 4D trajectory	31-12-2023	STK	Analysis
ER APP ATC 164	Enhance ATC System to Receive and Integrate ADS-B data	-	STK <b>OI</b> <b>EN</b>	Analysis
HUM-007	New communication and interaction patterns between stakeholders of airport operations linked to collaborative rolling AOP/NOP management.	31-12-2019	STK <b>OI</b> <b>DS</b> <b>PCP</b>	Analysis
HUM-012	New role of APOC representative from ANSP	31-12-2023	STK <b>OI</b> <b>DS</b>	Analysis
HUM-013	Tasks transfer from AOP stakeholders to APAMS	31-12-2023	STK <b>OI</b>	Analysis
HUM-014	New interactions and communication patterns for the integration of landside process outputs into the A-CDM process.	31-12-2023	STK <b>OI</b> <b>DS</b>	Analysis
HUM-015	New working methods for the integration of landside process outputs into the A-CDM process.	31-12-2023	STK <b>OI</b> <b>DS</b>	Analysis
HUM-016	New working methods for the integration of the Airport Transit View (ATV) into the A-CDM process.	31-12-2022	STK <b>OI</b> <b>DS</b>	Analysis
METEO-04b	Generate and provide MET information services relevant for Airport and final approach related operations (PCP)	01-07-2022	STK <b>OI</b> <b>EN</b> <b>DS</b> <b>PCP</b>	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 <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
METEO-04d	Generate and provide MET information relevant for Airport and final approach for at shortest notice (less than 3 minutes 'time to decision' horizon)	-	STK <b>OI</b> <b>EN</b>	Analysis
MIL-0108	Exchange of specific MT data (ARES description) in standard format	31-12-2027	STK <b>OI</b>	Analysis
MIL-STD-04	Procedure to implement EUROAT rules.	30-10-2013	STK <b>OI</b> <b>DS</b>	Analysis
NIMS-12	Demand Capacity Balancing equipped with a tool to identify and arbitrate multiple imbalance and hotspots	30-08-2026	STK <b>OI</b> <b>DS</b>	Analysis
NIMS-13b	Enhanced short term ATFM measures ( STAM)	31-12-2019	STK <b>OI</b> <b>DS</b> <b>PCP</b>	Analysis
NIMS-27	Network DCB sub-system enhanced with improved accuracy of processing real-time data	31-12-2019	STK <b>OI</b> <b>DS</b> <b>PCP</b>	Analysis
PRO-015	Harmonised ATC Procedures for providing a standardized service to OAT flights at pan-European level	31-12-2023	STK <b>OI</b> <b>DS</b>	Analysis
PRO-027	Procedures for ground-ground coordination in case of Trajectory Revision	31-12-2017	STK	Analysis
PRO-028	Procedures to support AOP-NOP collaborative process	31-12-2019	STK <b>OI</b> <b>DS</b> <b>PCP</b>	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 <b>OI</b> <b>EN</b> <b>DS</b>	Analysis
PRO-137	Airport Operations Procedures for vehicle drivers for systematic, standard response to safety alerts	31-12-2016	STK <b>OI</b>	Analysis
PRO-201a	Procedures linked to Improvement of Surveillance on the Manoeuvring Area on and around the Runway	31-12-2006	STK <b>OI</b>	Analysis



Code	Title	IOC	Related Elements	Analysis
PRO-201b	Procedures linked to Improvement of Guidance and Control on the Manoeuvring Area on and around the Runway	30-04-2014	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-251	ATC Procedure to handle SNI IFR rotorcraft operations using PinS	31-12-2020	STK OI EN DS	Analysis
REG-0521	Regulatory provisions for SNI IFR rotorcraft operations using PinS	31-12-2018	STK EN	Analysis
PRO-254	ATC procedures to support curved segments for arrival and departure operations, including the use of Geometric Altitude	31-12-2030	STK OI EN DS	Analysis
STD-089	Standards for efficient curved arrival and departure operations in the TMA	-	STK EN	Analysis
PRO-257	ATC Procedure to apply spacing minimum down to 2 NM	31-12-2025	STK OI EN DS	Analysis
REG-0520	EASA State Letter for RECAT-EU Scheme	10-10-2014	STK OI EN	Analysis
REG-0524	Regulatory provisions for dynamic pair-wise wake separation minima (D-PWS)	31-12-2023	STK OI	Analysis
SVC-005	Provision of cost-efficient Sub-Regional DCB capabilities using a Common Service	31-12-2023	STK OI DS	Analysis
SVC-039	Provision of cost-efficient Aeronautical Digital Maps using a Common Service	20-12-2025	STK OI DS	Analysis
SWIM-APS-02a	Consumption of Aeronautical Information services	31-12-2020	STK OI EN DS PCP S	Analysis
SWIM-APS-04a	Consumption of G/G ATFCM Information Services	31-12-2020	STK OI EN DS PCP S	Analysis
SWIM-APS-05a	Provision and Consumption of Flight Object Sharing services	31-12-2023	STK OI EN DS PCP S	Analysis
SWIM-APS-06a	Provision of Airport Ground Sensor Meteorological Information Services	-	STK OI EN DS PCP S	Analysis
SWIM-APS-07a	Stakeholder systems consumption of G/G Meteorological Information services	31-12-2023	STK OI EN DS 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 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 PCP	Analysis
SWIM-SUPT-05a	SWIM Supporting IP Network Bridging Provisions	31-12-2015	STK OI EN	Analysis