SESAR Solutions

Outputs from the SESAR Programme R&I activities which relate to an Operational Improvement (OI) step or a small group of OI steps and its/their associated enablers, which have been designed, developed and validated in response to validation targets that, when implemented, will deliver business benefits to the European ATM.

Display Options

Filter by Related Element

SOL PJ OI OBJ DS EOC PCP ICAO

Program

None

ICAO ICAO Blocks

Block 0 — Block 1 — Block 2 — Block 3

Code	Title	Program	Related Elements
#01	RunWay Status Lights	SESAR1	OI OBJ DS EOC ICAO
#02	Airport Safety Nets for controllers: conformance monitoring alerts and detection of conflicting ATC clearances	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#04	Enhanced Traffic Situational Awareness and Airport Safety Nets for the vehicle drivers	SESAR1	SOL OI OBJ DS EOC ICAO
#05	Extended Arrival Management (AMAN) horizon	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#06	Controlled Time of Arrival (CTA) in Medium density / medium complexity environment	SESAR1	SOL OI DS EOC ICAO
#08	Arrival Management into Multiple Airports	SESAR1	SOL OI DS EOC ICAO
#09	Enhanced terminal operations with automatic RNP transition to ILS/GLS	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#10	Optimised Route Network using Advanced RNP	SESAR1	OI DS EOC ICAO
#11	Continuous Descent Operations (CDO)	SESAR1	SOL OI OBJ DS EOC ICAO
#12	Single Remote Tower operations for medium traffic volumes	SESAR1	SOL OI OBJ DS EOC ICAO
#13	Remotely Provided Air Traffic Service for Contingency Situations at Aerodromes	SESAR1	SOL OI OBJ DS EOC ICAO
#14	Departure Management integrating Surface Management constraints	SESAR1	SOL
#15	Integrated and throughput-optimised sequence of arrivals and departures	SESAR1	SOL
#16	ASAS Spacing applications Remain behind and Merge behind	SESAR1	SOL
#17	Advanced Short-Term ATFCM Measures (STAM)	SESAR1	SOL OI OBJ DS EOC PCP ICAO

Code	Title	Program	Related Elements
#18	CTOT and TTA	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#19	Automated support for Traffic Complexity Detection and Resolution	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#20	Collaborative NOP for Step 1	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#21	Airport Operations Plan and AOP-NOP Seamless Integration	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#22	Automated Assistance to Controller for Surface Movement Planning and Routing	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#23	D-TAXI service for CPDLC application	SESAR1	SOL OI DS EOC ICAO
#26	Manual taxi routing function	SESAR1	SOL OI ICAO
#27	MTCD and conformance monitoring tools	SESAR1	SOL OI OBJ DS EOC ICAO
#28	Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue through improved trajectory data sharing	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#31	Variable profile military reserved areas and enhanced (further automated) civil-military collaboration	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#32	Free Route through the use of Direct Routing	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#33	Free Route through Free Routing for Flights both in cruise and vertically evolving above a specified Flight Level	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#34	Digital Integrated Briefing	SESAR1	SOL OI OBJ DS EOC ICAO
#35	MET Information Exchange	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#37	Extended Flight Plan	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#46	SWIM Yellow Profile	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#47	Guidance Assistance through Airfield Ground Lighting	SESAR1	OI OBJ DS EOC ICAO
#48	Virtual Block Control in LVPs	SESAR1	SOL OI DS EOC ICAO
#51	Enhanced terminal operations with LPV procedures	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#52	Remote Tower for two low density aerodromes	SESAR1	SOL OI OBJ DS EOC ICAO
#53	Pre-Departure Sequencing supported by Route Planning	SESAR1	SOL OI OBJ DS EOC ICAO
#54	Flow based Integration of Arrival and Departure Management	SESAR1	OI OBJ DS EOC ICAO

Code	Title	Program	Related Elements
#55	Precision approaches using GBAS CATII/III	SESAR1	OI OBJ DS EOC ICAO
#56	Enhanced ATFM Slot Swapping	SESAR1	SOL OI OBJ DS EOC ICAO
#57	UDPP Departure	SESAR1	SOL OI DS EOC ICAO
#58	Display and use of ACAS resolution advisory downlink on the controller working position	SESAR1	OI DS EOC ICAO
#60	Enhanced Short Term Conflict Alert (STCA) for Terminal Manoeuvring Areas (TMAs)	SESAR1	OI OBJ DS EOC ICAO
#61	CWP Airport - Low Cost and Simple Departure Data Entry Panel	SESAR1	OI OBJ DS EOC ICAO
#62	P-RNAV in a complex TMA	SESAR1	OI OBJ DS EOC PCP ICAO
#63	Multi Sector Planning	SESAR1	SOL OI OBJ DS EOC
#64	Time Based Separation	SESAR1	OI OBJ DS EOC PCP ICAO
#65	User Preferred Routing	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#66	Automated Support for Dynamic Sectorisation	SESAR1	SOL OI OBJ DS EOC PCP ICAO
#67	AOC data increasing trajectory prediction accuracy	SESAR1	PJ OI OBJ DS EOC PCP ICAO
#69	Enhanced STCA with down-linked parameters	SESAR1	OI OBJ DS EOC ICAO
#70	Enhanced Ground Controller Situation Awareness in all Weather Conditions	SESAR1	OI OBJ DS EOC ICAO
#71	ATC and AFIS service in a single low density aerodrome from a remote CWP	SESAR1	SOL OI OBJ DS EOC ICAO
#100	ACAS Ground Monitoring and Presentation system	SESAR1	DS EOC
#101	Extended hybrid surveillance	SESAR1	OI DS EOC
#102	Aeronautical mobile airport communication system (AeroMACS)	SESAR1	OI DS EOC
#103	LPV approaches using SBAS as alternative to ILS CAT I	SESAR1	OI OBJ DS EOC ICAO
#104	Sector Team Operations - En-route Air Traffic Organiser	SESAR1	OI OBJ DS EOC ICAO
#105	Enhanced Airborne Collision Avoidance System (ACAS)	SESAR1	OI DS EOC ICAO
#106	DMAN Baseline for integrated AMAN DMAN	SESAR1	OI OBJ DS EOC PCP
#107	Point Merge in complex TMA	SESAR1	OI OBJ DS EOC
#108	AMAN and Point Merge	SESAR1	OI OBJ DS EOC ICAO
#109	Air Traffic Services datalink using SatCom Class B	SESAR1	OI DS EOC

Code	Title	Program	Related Elements
#110	ADS-B surveillance of aircraft in flight and on the surface	SESAR1	DS EOC
#112	Flexible communication avionics	SESAR1	
#113	Optimised low-level instrument flight rules (IFR) routes for rotorcraft	SESAR1	OI OBJ DS EOC
#114	Cooperative Surveillance ADS-B / WAM	SESAR1	DS EOC
#115	Extended Projected Profile (EPP) availability on ground	SESAR1	OI DS EOC PCP ICAO
#116	De-icing Management Tool	SESAR1	DS EOC
#117	Reducing Landing Minima in Low Visibility Conditions using Enhanced Flight Vision Systems (EFVS)	SESAR1	OI DS EOC
#118	Basic EAP (Extended ATC Planning) function	SESAR1	OI DS EOC
PJ.01-01	Extended Arrival Management with overlapping AMAN operations and interaction with DCB and CTA	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.01-02	Use of Arrival and Departure Management Information for Traffic Optimisation within the TMA	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.01-03A	Improved Parallel Operations	SESAR 2020 Wave 1	PJ OI DS EOC ICAO
PJ.01-03B	Dynamic E-TMA for Advanced Continuous Climb and Descent Operations	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.01-05	Airborne Spacing Flight Deck Interval Management	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.01-06	Enhanced Rotorcraft operations in the TMA	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.01-07	Approach Improvement through Assisted Visual Separation	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.01-W2-01	Next generation AMAN for 4D environment	SESAR 2020 Wave 2	PJ DS EOC
PJ.01-W2-06	Advanced rotorcraft operations in the TMA	SESAR 2020 Wave 2	PJ DS EOC
PJ.01-W2-08	Dynamic E-TMA for advanced continuous climb and descent operations and improved arrival and departure operations	SESAR 2020 Wave 2	PJ DS EOC
PJ.02-01	Wake Turbulence Separation Optimization	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.02-02	Enhanced Arrival Procedures	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.02-03	Minimum-Pair separations based on RSP	SESAR 2020 Wave 1	PJ OI DS EOC ICAO
PJ.02-05	Independent Rotorcraft operations at the Airport	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.02-06	Improved Access into Secondary Airports in Low Visibility Conditions	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.02-08	Traffic optimisation on single and multiple runway airports	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.02-11	Enhanced Terminal Area for efficient curved operations	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.02-W2-04	Advanced geometric GNSS based procedures in the TMA	SESAR 2020 Wave 2	PJ DS EOC
PJ.02-W2-14	Evolution of separation minima for increased runway throughput	SESAR 2020 Wave 2	PJ DS EOC
PJ.02-W2-17	Improved access to secondary airports	SESAR 2020 Wave 2	PJ DS EOC
PJ.02-W2-21	Digital evolution of integrated surface management	SESAR 2020 Wave 2	PJ DS EOC

Code	Title	Program	Related Elements
PJ.02-W2-25	Safety support tools for avoiding runway excursions	SESAR 2020 Wave 2	PJ DS EOC
PJ.03a-01	Enhanced Guidance Assistance to Aircraft and Vehicles on the Airport Surface Combined with Routing	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.03a-03	Enhanced navigation and accuracy in low visibility conditions (LVC) on the airport surface	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.03a-04	Enhanced Visual Operations	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.03a-09	Surface operations by RPAS	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.03b-01	Enhanced Airport Safety Nets for Controllers	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.03b-03	Conformance Monitoring Safety Net for Pilots	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.03b-05	Traffic Alerts for Pilots for Airport Operations	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.03b-06	Safety support tools for avoiding runway excursions	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.04-01	Enhanced Collaborative Airport Performance Planning and Monitoring	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.04-02	Enhanced Collaborative Airport Performance Management	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.04-W2-28	Enhanced Collaborative Airport Performance Planning and Monitoring	SESAR 2020 Wave 2	PJ DS EOC
PJ.04-W2-29	Digital Collaborative Airport Performance Management	SESAR 2020 Wave 2	PJ DS EOC
PJ.05-02	Multiple Remote Tower Module	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.05-03	Remote Tower Centre with Flexible Allocation of Aerodromes to Multiple Remote Tower Modules	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.05-05	Advanced Automated MET System	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.05-W2-35	Multiple Remote Tower and Remote Tower centre	SESAR 2020 Wave 2	PJ DS EOC
PJ.05-W2-97	HMI Interaction modes for Airport Tower	SESAR 2020 Wave 2	PJ DS EOC
PJ.06-01	Optimized traffic management to enable Free Routing in high and very high complexity environments.	SESAR 2020 Wave 1	SOL PJ OI OBJ DS EOC PCP ICAO
PJ.06-02	Management of Performance-Based Free Routing in Lower Airspace	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.07-01	AU Processes for Trajectory Definition	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.07-02	AU Fleet Prioritization and Preferences (UDPP)	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.07-03	Mission Trajectory Driven Processes	SESAR 2020 Wave 1	SOL PJ OI OBJ DS EOC
PJ.07-W2-38	Enhanced integration of AU trajectory definition and network management processes	SESAR 2020 Wave 2	PJ DS EOC
PJ.07-W2-39	Collaborative framework managing delay constraints on arrivals	SESAR 2020 Wave 2	PJ DS EOC
PJ.07-W2-40	Mission trajectories management with integrated Dynamic Mobile Areas Type 1 and Type 2	SESAR 2020 Wave 2	PJ DS EOC

Code	Title	Program	Related Elements
PJ.08-01	Management of Dynamic Airspace configurations	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.08-02	Dynamic Airspace Configuration supporting moving areas	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.09-01	Network Prediction and Performance	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.09-02	Integrated Local DCB Processes	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.09-03	Collaborative Network Management Functions	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.09-W2-44	Dynamic Airspace Configurations (DAC)	SESAR 2020 Wave 2	PJ DS EOC
PJ.09-W2-45	Enhanced Network Traffic Prediction and shared complexity representation	SESAR 2020 Wave 2	PJ DS EOC
PJ.09-W2-47	Network optimisation of multiple ATFCM time based measures	SESAR 2020 Wave 2	PJ DS EOC
PJ.09-W2-48	Digital Integrated Network Management and ATC Planning (INAP)	SESAR 2020 Wave 2	PJ DS EOC
PJ.09-W2-49	Collaborative Network Performance Management	SESAR 2020 Wave 2	PJ DS EOC
PJ.10-01a	High Productivity Controller Team Organisation	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.10-01b	Flight-Centric ATC	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.10-01c	Collaborative Control	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.10-02a	Improved Performance in the Provision of Separation	SESAR 2020 Wave 1	SOL PJ OI ICAO
PJ.10-02a1	Improved performance in the provision of separation without use of ADS-C/EPP data	SESAR 2020 Wave 1	PJ OI DS EOC ICAO
PJ.10-02a2	Improved performance in the provision of separation with use of ADS-C/EPP data	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.10-02b	Advanced Separation Management	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.10-04	Ad Hoc Delegation of Separation to Flight Deck	SESAR 2020 Wave 1	SOL PJ OI
PJ.10-05	IFR RPAS Integration	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.10-06	Generic' (non-geographical) Controller Validations	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.10-W2-70	Collaborative control and Multi sector planner (MSP) in en-route	SESAR 2020 Wave 2	PJ DS EOC
PJ.10-W2-73	Flight-centric ATC and Improved Distribution of Separation Responsibility in ATC	SESAR 2020 Wave 2	PJ DS EOC
PJ.10-W2-93	Delegation of services amongst ATSUs	SESAR 2020 Wave 2	PJ DS EOC
PJ.10-W2-96	HMI Interaction modes for ATC centre	SESAR 2020 Wave 2	PJ DS EOC
PJ.11-A1	Enhanced Airborne Collision Avoidance for Commercial Air Transport normal operations - ACAS Xa	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.11-A2	Airborne Collision Avoidance for Remotely Piloted Aircraft Systems - ACAS Xu	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.11-A3	ACAS for Commercial Air Transport specific operations - ACAS Xo	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO

Code	Title	Program	Related Elements
PJ.11-A4	Airborne Collision Avoidance for General Aviation and Rotorcraft - ACAS Xp	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.11-G1	Enhanced Short Term Conflict Alert (STCA) and Non Transgression Zone (NTZ) Ground Based Safety Nets making use of DAPs information.	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.13-W2-111	Collision avoidance for IFR RPAS	SESAR 2020 Wave 2	PJ DS EOC
PJ.13-W2-115	IFR RPAS accommodation in Airspace Class A to C	SESAR 2020 Wave 2	PJ DS EOC
PJ.13-W2-117	IFR RPAS integration in Airspace Class A to C	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-01-01	CNS environment evolution	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-02-01	FCI Terrestrial Data Link	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-02-02	Future Satellite Communications Data link	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-02-04	FCI Network Technologies incl. voice solutions and military interfacing	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-02-05	Development of new services similar to FIS-B to support ADS-B solutions for General Aviation	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-02-06	Completion of AeroMACS development	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-03-01	GBAS	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-03-02	Multi Constellation / Multi Frequency (MC/MF) GNSS	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-03-04	RNP 1 reversion based on DME/DME	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-04-01	Surveillance Performance Monitoring	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-04-03	New use and evolution of Cooperative and Non-Cooperative Surveillance	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.14-W2-107	Future Satellite Communications Data link	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-110	Aircraft as an AIM/MET sensor and consumer	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-60	FCI Terrestrial Data Link and A-PNT enabler (L-DACS)	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-61	Hyper Connected ATM	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-76	Integrated CNS and Spectrum	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-77	FCI Services	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-79	Dual Frequency / Multi Constellation DFMC GNSS/SBAS and GBAS	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-81	Long-term alternative Position, Navigation and Timing (A-PNT)	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-83	Surveillance Performance Monitoring	SESAR 2020 Wave 2	PJ DS EOC
PJ.14-W2-84	New use and evolution of Cooperative and Non-Cooperative Surveillance	SESAR 2020 Wave 2	PJ DS EOC
PJ.15-01	Sub-regional Demand Capacity Balancing Service	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.15-02	E-AMAN Service	SESAR 2020 Wave 1	PJ OI DS EOC

Code	Title	Program	Related Elements
PJ.15-08	Trajectory Prediction Service	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.15-09	Delegation of services and contingency	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.15-10	Static Aeronautical Data Service	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.15-11	Aeronautical Digital Map Service	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.16-03	Enabling rationalisation of infrastructure using virtual centre based technology	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.16-04	Workstation, Controller productivity	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.17-01	SWIM TI Purple Profile for Air/Ground Advisory Information Sharing	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.17-02	SWIM TI Federated Identity Management	SESAR 2020 Wave 1	SOL PJ OI ICAO
PJ.17-03	SWIM TI Green profile for G/G Civil Military Information Sharing	SESAR 2020 Wave 1	SOL PJ OI DS EOC
PJ.17-07	SWIM TI Purple Profile for Air/Ground Safety-Critical Information Sharing	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.17-08	SWIM TI Common runtime registry	SESAR 2020 Wave 1	SOL PJ OI DS EOC ICAO
PJ.17-W2-100	SWIM TI Purple Profile for Air/Ground Safety-Critical Information Sharing	SESAR 2020 Wave 2	PJ DS EOC
PJ.17-W2-101	SWIM TI Green profile for G/G Civil Military Information Sharing	SESAR 2020 Wave 2	PJ DS EOC
PJ.18-02a	Trajectory Based Operations (TBO)	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.18-02b	Flight Object Interoperability (FO IOP)	SESAR 2020 Wave 1	OI DS EOC
PJ.18-02c	eFPL Supporting SBT Transition to RBT	SESAR 2020 Wave 1	PJ OI DS EOC ICAO
PJ.18-04a	Aeronautical Information Management (AIM) information	SESAR 2020 Wave 1	PJ DS EOC
PJ.18-04b	Meteorological (MET) information	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.18-04c	MET and AIM information services in the aircraft information domain	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.18-06a	Air Traffic Control (ATC) Planned Trajectory Performance Improvement	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.18-06b	Tactical and Network Manager (NM) Trajectory performance Improvement	SESAR 2020 Wave 1	PJ OI DS EOC
PJ.18-W2-53	Improved Ground Trajectory Predictions enabling future automation tools	SESAR 2020 Wave 2	PJ DS EOC
PJ.18-W2-56	Improved vertical profiles through enhanced vertical clearances	SESAR 2020 Wave 2	PJ DS EOC
PJ.18-W2-57	RBT revision supported by datalink and increased automation	SESAR 2020 Wave 2	PJ DS EOC
PJ.18-W2-88	Trajectory Prediction Service	SESAR 2020 Wave 2	PJ DS EOC
U1C-01	e-Identification capability	SESAR1	PJ
U1C-02	Geo-fencing capability	SESAR1	PJ
U1C-03	Security capability	SESAR1	PJ
U1C-04	Telemetry capability	SESAR1	PJ
U1C-05	Command & control capability	SESAR1	PJ
U1C-06	Communication, navigation and surveillance capability	SESAR1	PJ
U1C-07	Operations management capability	SESAR1	PJ

Code	Title	Program	Related Elements
U1S-01	e-Registration service	SESAR1	PJ DS EOC
U1S-02	e-Identification service	SESAR1	PJ DS EOC
U1S-03	Pre-tactical geo-fencing service	SESAR1	PJ DS EOC
U2C-01	Tracking capability	SESAR 2020 Wave 1	PJ
U2C-02	Emergency recovery capability	SESAR 2020 Wave 1	PJ
U2S-01	Tactical geo-fencing service	SESAR 2020 Wave 1	PJ DS EOC
U2S-02	Emergency Management Service	SESAR 2020 Wave 1	PJ DS EOC
U2S-03	Strategic de-confliction service	SESAR 2020 Wave 1	PJ DS EOC
U2S-04	Weather information service	SESAR 2020 Wave 1	PJ DS EOC
U2S-05	Tracking service	SESAR 2020 Wave 1	PJ DS EOC
U2S-06	Flight planning management service	SESAR 2020 Wave 1	PJ DS EOC
U2S-07	Monitoring service	SESAR 2020 Wave 1	PJ DS EOC
U2S-08	Traffic information service	SESAR 2020 Wave 1	PJ DS EOC
U2S-09	Drone aeronautical information management service	SESAR 2020 Wave 1	PJ DS EOC
U2S-10	Procedural Interface with ATC service	SESAR 2020 Wave 1	PJ DS EOC
U3C-01	Vehicle to vehicle (V2V) communication capability	SESAR 2020 Wave 2	PJ
U3C-02	Vehicle to infrastructure (V2I) communication capability	SESAR 2020 Wave 2	PJ
U3C-03	Detect & avoid capability	SESAR 2020 Wave 2	PJ
U3S-01	Dynamic geo-fencing service	SESAR 2020 Wave 2	PJ DS EOC
U3S-02	Tactical de-confliction service	SESAR 2020 Wave 2	PJ DS EOC
U3S-03	Collaborative interface with ATC service	SESAR 2020 Wave 2	PJ DS EOC
U3S-04	Dynamic capacity management service	SESAR 2020 Wave 2	PJ DS EOC