



As defined in its Terms of Reference, the EASCG is a joint coordination and advisory group established to coordinate the ATM-related standardisation activities, essentially stemming from the European ATM Master Plan, in support of Single European Sky implementation. The RDP focusses on the SES-related standardisation and regulatory-related activities and is periodically updated to reflect the current situation. It may therefore not be exhaustive in some areas. In addition, ICAO materials listed in the RDP are not exhaustive and are primarily focused on ICAO SARPs in support of solutions based on the European ATM Master Plan. Its contents should be used for information purposes only.

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EASCG 24

Change A=added D=deleted M=modified	Domains	Standardisation				Regulation				Master Plan reference	CPs AF	SDM reference Deployment Plan Families	Joint activity with RTCA	Link to ICAO ASBU	Comment
		Standardisation activity	Standardisation organisation	WG/Panel	Target date for standard publication	Status	Regulatory activity	Regulatory organisation	Target date for regulatory material publication						
	Navigation applications														
	Airborne capability														
	PBN and AWO operations	DOC 9613 Ed 5	ICAO	PBN Study Group	end 2020	Ongoing									Considered as guidelines
		MASPS for Required Navigation Performance for Area Navigation ED-75E	EUROCAE	WG-85	2022	Ongoing							Coordinated with RTCA		
A		ED-XXX MOPS : Required Navigator Performance for Area Navigation	EUROCAE	WG-85	Q1/2024	Ongoing							joint with RTCA		
	Navigation technical enablers														
	GNSS														
		SARPS GPS L5	ICAO	NSP	2022	Ongoing									Dates to be updated after coordination with ICAO
		SARPS Galileo	ICAO	NSP	2022	Ongoing									Dates to be updated after coordination with ICAO
		SARPS DFMC SBAS	ICAO	NSP	2022	Ongoing									Dates to be updated after coordination with ICAO
		SARPS DFMC HRAIM	ICAO	NSP	2022	Ongoing									Dates to be updated after coordination with ICAO
		SARPS DFMC GBAS	ICAO	NSP	tbd	Ongoing									
		Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment ED-259 A	EUROCAE	WG-62	Q3/2022	ongoing					STD-023		Joint document	B2-APTA	
	GBAS CAT III	SARPS DFMC GBAS	ICAO	NSP	2021	Ongoing									

M		Guidelines for Test and Validation Related to Airport CDM Interoperability ED-146A	EUROCAE	WG-111	Q2/2022	On going										target date
M		Airport CDM SWIM Service Performance Specification ED-XX	EUROCAE	WG-111	Q4/2022	On going										target date
		Airport Collaborative Decision Making (A-CDM); Community Specification	ETSI		TBD	Planned					AF2	2.1.1 2.2.1 2.2.2				Dependent upon EUROCAE A-CDM activity To be recognised as CS
	Runway system	MASPS for Runway Weather Information ED-XX	EUROCAE	WG-109	May 2021	On going										
	A-SMGCS	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87E	EUROCAE	WG-41	Q3/2022	Ongoing				ASMGCS-STD-01	AF2	2.1.1			B2-SURF	
		Interop Document on Surveillance, Routing, Safety Support ED-XXX	EUROCAE	WG-41	Q3/2022	Ongoing				ASMGCS-STD-01					B2-SURF	
		Guidelines for Surveillance Data Fusion for A-SMGCS Levels 1&2 ED-128A	EUROCAE	WG-41	TBD	On hold				ASMGCS-STD-01					B0-SURF	
		MOPS for supporting sensor systems for use in A-SMGCS ED-xxx	EUROCAE	WG-41	Q3/2023	Planned										
		CS on ASMGCS Part 8: A-SMGCS routing service EN 303 213-8 (V 1.1.1)	ETSI		2023	On going										To be recognised as CS Delay (dependency on ED-87E)
		Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to the radio spectrum for Multilateration (MLAT) equipment; Sub-part 2: Reference and vehicle transmitters EN 303 213-5-2 (V 1.1.1)	ETSI		2022	ongoing										Target date
1	Queue management & approach sequencing															

	TBS for final approach	EUROCONTROL Specification for Time-based Separation (TBS) EUROCONTROL- SPEC-167 Edition 1.1	EUROCONTROL		Q4/2021	Planned												
En Route ATM functions																		
	Free route																	
Surveillance applications																		
A A	ACAS	ED-xxx MOPS for ACAS Xr	EUROCAE	Q4/2025	WG-75	ongoing											Joint activities with SC-147	new item
		ED-256 Ch. 2 *MOPS for ACAS Xa	EUROCAE	Q2/2022	WG-75	ongoing											Joint activities with SC-147	new item
	Ground applications	Generic SPR for surveillance service ED-261 Vol 1	EUROCAE	WG-102	Q2/2021	Ongoing							STD-027				B1-ASUR	
		Generic SPR for surveillance service ED-261 Vol 2	EUROCAE	WG-102	Q2/2021	Ongoing							STD-027				B1-ASUR	
		Generic SPR for surveillance service ED-261 Vol 3	EUROCAE	WG-102	Q2/2021	Ongoing							STD-027				B1-ASUR	
	Airborne applications																	
Surveillance technical enablers																		
A	ADS ground station	ED-102B Ch 1	EUROCAE	WG-51	Q2/2022	ongoing											joint with RTCA SC- 186	new item
	ADS-B	Technical Specificati on for an ADS- B Ground System ED-129C	EUROCAE	WG-51	Q3/2022	On going												
M M	Mode S	EUROCONTROL Specification for European Modes S Station (EMS) EUROCONTROL- SPEC-XXX Edition 4.0	EUROCONTROL			published												published 17 September 2021
		EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) EUROCONTROL- SPEC-153 Edition 1.1	EUROCONTROL		Q1/2022	On going												target date
M A	Mode S transponder	MOPS Mode S GA transponder ED-115A	EUROCAE	WG-49	Q3/2023	Ongoing											B0-ASUR	target date
		ED-73F Ch 1	EUROCAE	WG-49	Q2/2022	Ongoing										joint with RTCA SC- 209		new item
	WAM/ADS-B composite	TS for WAM Ground System with Composite Surveillance Functionality ED-142A	EUROCAE	WG-51	Q2/2022	Ongoing											B1-ASUR	

	Wide Area Multilateration (WAM) systems Harmonised Standard for access to radio spectrum EN 303 489 (V 1.1.1)	ETSI		2022	Ongoing									
MSPSR	TS for INCS system ED-288	EUROCAE	WG-103	Q2/2021	Ongoing								B1-ASUR	
SSR	Air Traffic Control Surveillance Radar Sensors; Secondary Surveillance Radar (SSR); Harmonised Standard for access to radio spectrum; Part 2: SSR Far Field Monitor (FFM) with Mode S capabilities EN 303 363-2 (V 1.1.1)	ETSI		2022	ongoing									
PSR in L Band	Primary Surveillance Radar (PSR); Harmonised Standard for access to radio spectrum; Part 1: Air Traffic Control (ATC) PSR Sensors operating in 1 215 MHz to 1 400 MHz frequency band (L band); Sub-part 1: radar systems using reflector antennas. EN 303 364-1-1	ETSI		2022	ongoing									
	Primary Surveillance Radar (PSR); Harmonised Standard for access to radio spectrum; Part 1: Air Traffic Control (ATC) PSR Sensors operating in 1 215 MHz to 1 400 MHz frequency band (L band); Sub part 2: radar systems using phased array antennas - EN 303 364-1-2	ETSI		2022	ongoing									
Ground based aeronautical and meteorological radars	Electro Magnetic Compatibility (EMC) standard for radio equipment and services; Part 54: Specific conditions for ground based aeronautical and meteorological radars; Harmonised Standard for electromagnetic compatibility	ETSI		2022	ongoing									

	Asterix																
	ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL- SPEC-147 Edition 2.0	EUROCONTROL		Q4/2023	Planned											Also linked to the activity of EUROCAE WG-102
Network services																	
M	ADEXP						EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 Edition 3.3	EUROCONTROL	TBD	On going		AF1 AF3 AF4 AF6	1.1.1 3.2.1 4.3.1 6.1.2				Submitted to EC for OJEU listing as SES Community specification
M	ASM	EUROCONTROL Specification for ASM Part III Edition 1.0	EUROCONTROL		Q4/2022	Planned											target date
M		EUROCONTROL Specification for Airspace Management (ASM) Support System Requirements supporting the ASM processes at local and FAB level - Part I EUROCONTROL- SPEC-166 Edition 1.1	EUROCONTROL		Q1/2022							AF3 AF 5	3.1.1 5.3.1				AFs and families addition
M		EUROCONTROL Specification for Airspace Management (ASM) Support System Requirements supporting the ASM processes at local and FAB level - Part II EUROCONTROL- SPEC-179 Edition 1.1	EUROCONTROL		Q1/2022	ongoing						AF3 AF5	3.1.1 5.3.1				target date AFs and families addition
SWIM																	
M	SWIM Common Components	EUROCONTROL Specification for SWIM Service Description EUROCONTROL- SPEC-168 Edition 2.0	EUROCONTROL		Q1/2022	On going						AF5 AF5 AF5 AF5	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1				edition no and target date AFs and families addition

SWIM	SWIM Technical Infrastructure - Blue Profile	EUROCONTROL		TBD	Not Planned										SWIM-STD-04					Dependent upon ED-133 update
	SARPS on Information Management (PANS-IM)	ICAO	IMP		Ongoing															Applicability 2022 Family removed
AIS services																				
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) EUROCONTROL-SPEC-146 Edition XX	EUROCONTROL		Q4/2021	Ongoing															
	EUROCONTROL Specification for the Origination of Aeronautical Data Vol 2 EUROCONTROL-SPEC-154 Edition XX	EUROCONTROL		Q4/2021	Ongoing															
	EUROCONTROL Specification for AIP Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2022	Ongoing															
	EUROCONTROL Specification for Obstacle Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2022	Planned															
	EUROCONTROL Specification for Digital NOTAM Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	Planned															
	EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	Planned															
	AIXM Edition 5.2	EUROCONTROL		Q1/2022	On going											AF2 AF3 AF5	2.2.1 3.1.1 5.3.1			target date
	EUROCONTROL Specification for AIP Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned															
	EUROCONTROL Specification for Obstacle Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned															
	EUROCONTROL Specification for Digital NOTAM Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned															

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	EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIMX 5.2	EUROCONTROL		TBD	Planned												
	PANS-IM covering AIRM	ICAO	IMP	2019	Ongoing												
Data base	Considerations for Aeronautical Data Alteration ED-XXX	EUROCAE	WG-44	Q2/2022	Ongoing									Joint with RTCA SC- 217 DO-xxx			
	Standards for Processing Aeronautical Data ED-76B	EUROCAE	WG-44	Q2/2024	Ongoing									Joint with RTCA SC- 217 DO-200C			
	User Requirements for Navigation Data ED-77B	EUROCAE	WG-44	Q3/2024	Ongoing									Joint with RTCA SC- 217 DO-201C			
Data-link services	MASPS AIS Datalink Applications ED-XXX	EUROCAE	WG-76	Q2/2023	Ongoing									coordinated activities	B2-DAIM	target date	
	ED-89A Ch 1 Modification of D- ATIS message maximum length to support longer	EUROCAE	Q1/2022	WG-76	ongoing									new activity. EUROCAE only.		new item	
	ED-89B Data-Link Application System Document (DLASD) for the "ATIS" Data- Link Service	EUROCAE	Q1/2023	WG-76	ongoing									new activity. Joint with RTCA SC-206		new item	
Meteo system & services																	
SWIM	MET SWIM Service	EUROCAE	TBD	2020	Planned										B2-AMET		
Data-link services	MASPS MET Datalink Applications ED-XXX	EUROCAE	WG-76	Jun-22	Ongoing						AGDLS-STD- 08			joint with RTCA SC- 206	B2-AMET		
Flight data exchanges																	
IFPL						EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL- SPEC-0101 Edition 2.0	EUROCONTROL	TBD	Planned		AF4	4.3.1					Submitted to EC for OJEU listing as SES Community specification
OLDI						EUROCONTROL Specification for On- Line Data Interchange (OLDI) EUROCONTROL- SPEC-106 Edition 5.0	EUROCONTROL	TBD	Planned		AF1 AF3 AF6	1.1.1 3.2.1 3.2.2 6.1.2					Submitted to EC for OJEU listing as SES Community specification
Flight object	Flight object exchange ED-133A	EUROCAE	WG-59	Q2/2022	Ongoing						STD-033 ATC-STD-01				B1-FICE		
Security																	
Standards related to cybersecurity are covered by the European Cybersecurity for Aviation Standards Coordination Group (ECSCG). The C-RDP is available at www.ecscg.eu																	
ATM ground system																	
Architecture	Technical System Architecture Interfaces	EUROCAE	TBD		Not planned												Activity not yet planned Link with the AAS programme

Remote tower	MASPS for Remote Tower optical systems ED-240B	EUROCAE	WG-100	Q2/2023	Ongoing									B1-RATS	
	MASPS for Remote Tower optical systems ED-240A Change 1	EUROCAE	WG-100	Q4/2021	On going										
						Technical requirements for Remote TWR Operations RMT.0624	EASA	Q4/2023	Ongoing						
Virtual centre	TBD	TBD	TBD	TBD	TBD										A work programme is under development in EUROCAE WG-122: detailed activities to define within this work programme
Interface	CWP / FDP Interface	EUROCAE	TBD		Not planned										Activity not yet planned Link with the AAS programme
Air/ground data-link services															
ATN B1 & ATS B2	Data Link Services (DLS) System; Community Specification ; Requirements for ground constituents and system testing Revision EN 303 214 (V 1.3.1)	ETSI		2022	On going						AF6	6.1.2			Family update To be recognised as CS Target date
	EUROCONTROL Specification on Data Link Services EUROCONTROL-SPEC-116 Edition 2.2	EUROCONTROL		Q2/2022	Planned										
	Safety and Performance Standard for Baseline 2 ATS Data Communication ED-228B	EUROCAE	WG-78	Q2/2023	On going										
	Interoperability Standard for Baseline 2 ATS Data Communication Via ATN ED-229B	EUROCAE	WG-78	Q2/2023	On going										
	Interoperability Standard for Baseline 2 ATS Data Communication, FANS 1/A Accommodation ED-230B	EUROCAE	WG-78	Q2/2023	On going										
	Interoperability Standard for Baseline 2 ATS Data Communication, Baseline 1 Accommodation ED-231B	EUROCAE	WG-78	Q2/2023	On going										

						Data Link Services RMT.0524	EASA	Q3/2023	Ongoing		AF6	6.1.1 6.1.2 6.2.1 6.3.1			
Air/ground communication technical enablers															
M	ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS ED-262A	EUROCAE	WG-108	Q1/2023	Ongoing									target date
		Guidance on ATN/IPS end to end interoperability and certification ED-XX	EUROCAE	WG-108	Q1/2023	Ongoing							coordinated activities	B0-TBO	target date
M	VDL Mode 2	VDL 2 Airborne MOPS ED-92D	EUROCAE	WG-92	Q4/2021	On going							Joint activity with RTCA SC 214	B0-TBO	
		VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment; Part 1: Physical layer and MAC sub-layer EN 301 841-1 (V 1.5.1)	ETSI		Q4/2022	Ongoing					AF6	6.1.1 6.1.2			
		VHF air-ground Digital Link (VDL) Mode 2, Part 3: Harmonized standard for access to radio spectrum EN 301 841-3 (V 2.2.1)	ETSI		2021	Ongoing					AF6	6.1.1 6.1.2			Delay due to dependency on EN 301 841-1
	AeroMacs	Airport Surface Data Link (AeroMACS) Harmonised Standard for access to radio spectrum EN 303 623 (V 1.1.1)	ETSI		Q4/2022	Ongoing				STD-018					
		Minimum Operational Performance Standards (MOPS) for the Aeronautical Mobile Airport Communication ED-223A	EUROCAE	WG-82	Q2/2023	On going							joint with RTCA SC-222 DO-346A		ED-223A AeroMACS MOPS update to address the required changes to ensure compatibility with other communication systems and standards. As an example MOPS part related to AeroMACS equipment adjacent channel emissions needs to be updated to protect UACS C2 channel. Intention is to guarantee for compatibility with UAS C2 in the 5030MHz to 5091 MHz band.
	LDACS	L Band Air Ground Communication System	EUROCAE	WG-82	2025	Planned					STD-036			B3-TBO	Long terms activity at EUROCAE
	Satcom	Revision of MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242C	EUROCAE	WG-82	Q3/2021	On going					AF6	6.1.1 6.1.2	coordinated activities (SC222)	B2-TBO	

	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243C	EUROCAE	WG-82	Q3/2021	On going					STD-020	AF6	6.1.1	coordinated activities (SC222)	B3-TBO	
Air/air data-link services															
Air to air	AIR AIR point to point Data-Link Services	EUROCAE		2025	Planned										Long term activity at EUROCAE
Ground/ground data-link services															
VoIP	VoIP ATM System Operational and Technical Requirements Volume 2 - SPR ED-136/2A	EUROCAE	WG-67	Q3/2023	On going										
	Network Requirements and Performances for VoIP ATM Systems ED-138A	EUROCAE	WG-67	Q3/2023	On going										
AMHS						EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) EUROCONTROL-SPEC-0136 Edition 2.1	EUROCONTROL	TBD	On going						Submitted to EC for OJEU listing as SES Community specification
Drones															
Standards related to UAS are covered by the European UAS Standards Coordination Group (EUSCG). The EUSCG RDP is available at www.euscg.eu															
Counter UAS															
System Performance Requirements for non-cooperative UAS detection systems ED-XX		EUROCAE	WG-115	Q4/2021	Ongoing										referring to ED-286 "OSED for Counter-UAS in controlled airspace "
Interoperability Requirements for Counter-UAS systems ED-YY		EUROCAE	WG-115	Q4/2021	Ongoing										referring to ED-286 "OSED for Counter-UAS in controlled airspace "
Other domains															
Performances															
Environment	EUROCONTROL Specification for Collaborative Environmental Management (CEM) EUROCONTROL-SPEC-156 Edition 2.0	EUROCONTROL		Q3/2021	On going										

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Domains	Standardisation		Regulation		Master Plan reference	CPs AF	SURF reference	LTRA 10 ICAO ASRU
	Standardisation activity	Standardisation organisation	Regulatory activity	Regulatory organisation				
Navigation applications								
Airborne capability	MASPS: Required Navigation Performance for Area Navigation ED-760	EUROCAE						B0-TBO
Performance Based Operations	Doc 9613 Ed 4	ICAO			STD-001			
			COMMISSION IMPLEMENTING REGULATION (EU) 2018/1048 of 18 July 2018 laying down airspace usage requirements and operating procedures for non-cooperative performance-based navigation EASA regulatory material on PBN incorporating Doc 9613 EASA RMT 0519 Executive Director Decision 2019/011/R of 26/04/2019	EC EASA				
Navigation technical enablers								
GNSS	Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment	EUROCAE			STD-023			B2-APTA
GBAS	GBAS Cat 1 ground system ED-114A	EUROCAE						B0-APTA
	GBAS Cat 1 ground system ED-114A Change 1	EUROCAE						B0-APTA
	GBAS Cat 1 ground system ED-114B	EUROCAE			BTNAV-STD-09			B0-APTA
	Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB): Technical characteristics and methods of measurement for ground-based equipment. Harmonized EN covering the essential requirements of article 3.2 Directive 2014/53/EU EN 303 084 (V2.1.1)	ETSI						
EVS/SVS	MASPS for a Combined Vision Guidance System for Rotorcraft Operations ED-285	EUROCAE						B0-SURF
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems	EUROCAE			BTNAV-0504			B0-APTA
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems	EUROCAE						B0-APTA
	MASPS for Aircraft state awareness Synthetic Vision System ED-249	EUROCAE						B0-APTA
Airport system								
DMAN & A-CDM			Airport Collaborative Decision Making (A-CDM): Community Specification EN 303 212 (V 1.1.1)	ETSI		AF2	2.1.1 2.2.1 2.2.2	
A-SMGCS	EUROCONTROL Specification for Surface Advanced-Surface Movement Guidance and Control System (A-SMGCS) EUROCONTROL-SPEC-171 Edition 1.1	EUROCONTROL			STD-060	AF2	2.1.1 2.3.1	
	EUROCONTROL Specification for Surface Advanced-Surface Movement Guidance and Control System (A-SMGCS) EUROCONTROL-SPEC-171 Edition 2.0	EUROCONTROL			STD-060	AF2	2.1.1 2.3.1	
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87C	EUROCAE			STD-010	AF2	2.1.1	B2-SURF
			A-SMGCS CS to comply with ED 87C as a prerequisite for the PCP EN 303 213-1 (V 1.4.1)	ETSI				
			CS on ASMGCS Part 1: surveillance service including external interfaces EN 303 213-1 (V 2.1.1)	ETSI				
			A-SMGCS CS to comply with ED 87C as a prerequisite for the PCP EN 303 213-2 (V 1.4.1)	ETSI				
			CS on ASMGCS Part 2: airport safety support service EN 303 213-2 (V 2.1.1)	ETSI				
			CS on ASMGCS Part 3: Community Specification for a deployed cooperative sensor including its interfaces EN 303 213-3 (V 1.1.1)	ETSI				
			CS on ASMGCS Part 3: deployed cooperative sensor including its interfaces EN 303 213-3 (V 2.1.1)	ETSI				
			A-SMGCS: Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces; Sub-part 1: Generic requirements for non-cooperative sensor EN 303 213-4-1 (V 1.1.1)	ETSI				
			A-SMGCS: Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces; Sub-part 2: Specific requirements for a deployed Surface Movement Radar sensor EN 303 213-4-2	ETSI				
			CS on ASMGCS to comply with ED-87D EN 303 213-7 (V 1.1.1)	ETSI		AF2	2.1.1	
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87D	EUROCAE				AF2	2.1.1	B2-SURF

	MOPS for MLAT ED-117A	EUROCAE				AF2	2.3.1	B2-SURF
			Implementation of SESAR Runway safety solutions	EASA				
	Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces; Sub-part 1: Generic requirements for non-cooperative sensor EN 303 213-4-1	ETSI						
	Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces; Sub-part 2: Specific requirements for a deployed Surface Movement Radar sensor EN 303 213-4-2	ETSI						
	Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to the radio spectrum for Multilateration (MLAT) equipment; Sub-part 1: Receivers and Interrogators EN 303 213-5-1 (V 1.1.1)	ETSI						
	A-SMGCS; Part 6: Harmonized EN covering the essential requirements of article 3.2 of the Directive 2014/53/EU for deployed surface movement radar sensors; Sub-part 1: X-band sensors using pulsed signals and transmitting power up to 100 kW EN 303 213-6-1 (V 2.1.1)	ETSI						
Queue management & approach sequencing								
TBS	EUROCONTROL Specification for Time-Based Separation support tool for Final Approach (TBS) EUROCONTROL-SPEC-167 Ed 1.0 Edition 1.0	EUROCONTROL						STD-065
AMAN SWIM services	MASPS covering the Extended horizon AMAN upstream coordination service ED-254	EUROCAE				AF1	1.1.1	B1-RSEQ
En Route ATM functions								
Free route	EUROCONTROL Extended MTCO Specification EUROCONTROL-SPEC-139	EUROCONTROL						STD-061
	Specification for Airspace Management (ASM) support system requirements supporting the ASM processes at local and FAB level - Part I - Baseline Requirements EUROCONTROL-SPEC-166 Edition 1.0	EUROCONTROL				AF3 AF5	3.1.1 5.3.1	
	EUROCONTROL Specification for Airspace Management (ASM) support system requirements supporting the ASM processes at local and FAB level - Part II - ASM Systems Interface Requirements EUROCONTROL-SPEC-166 Edition 1.0	EUROCONTROL				AF3 AF5	3.1.1 5.3.1	
	EUROCONTROL STCA Guidelines EUROCONTROL-GUID-159	EUROCONTROL						
	EUROCONTROL Monitoring Aids (MONA) Specification EUROCONTROL-SPEC-142	EUROCONTROL						STD-062
	EUROCONTROL Trajectory Prediction Specification EUROCONTROL-SPEC-143	EUROCONTROL						STD-063
	EUROCONTROL Area Proximity Warning (APW) Guidelines EUROCONTROL-GUID-161	EUROCONTROL						STD-064
	EUROCONTROL MSAW Guidelines EUROCONTROL-GUID-160	EUROCONTROL						
	EUROCONTROL APM Guidelines EUROCONTROL-GUID-162	EUROCONTROL						
	EUROCONTROL Guidelines for Supporting the Implementation of Commission Regulation (EU) 732/10 (ADQ) EUROCONTROL-GUID-163	EUROCONTROL				AF5	5.3.1	
Surveillance applications								
ACAS	MOPS for TCAS II hybrid surveillance ED-221A	EUROCAE						B2-ACAS
	MOPS for ACAS Xa with ACAS Xo functionality ED-256	EUROCAE						B2-ACAS
	MOPS for ACAS X ED-256 Change 1	EUROCAE						ASAS-STD-01
	Minimum Aviation System Performance Standards (MASPS) for the Interoperability of Airborne Collision Avoidance Systems (CAS) ED-264	EUROCAE						B1-ACAS
Ground applications			Revision of SPI (Surveillance Performance and Interoperability) RMT 0679 EC Implementing Regulation (EU) 2020/587 of 29/04/2020	EC				
Airborne applications	SPR & INTEROP ASPA-FIM ED-195A							ASAS-STD-01
	MOPS FIM ED-236	EUROCAE						ASAS-STD-01
	MOPS for FIM ED-236A	EUROCAE						ASAS-STD-01
	Minimum Operational Performance Standards (MOPS) for FIM ED-236A Change 1	EUROCAE						ASAS-STD-01
	MOPS for Aircraft Surveillance Applications (ASA) System ED-194B	EUROCAE						ASAS-STD-01
	MOPS for 1090 MHz Extended Squitter ADS-B and TIS-B ED-192B	EUROCAE						
Surveillance technical enablers								
Mode S transponder	MOPS Mode S transponder ED-73F	EUROCAE						

ADS ground station	ADS-B ground station 1090MHz ED-129A	EUROCAE							STD-027				BO-ASUR
	ADS-B ground station 1090MHz ED-129B	EUROCAE							STD-027				BO-ASUR
Asterix	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-149 Edition 2.4	EUROCONTROL											
	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-149 Edition 2.5	EUROCONTROL											
	STANAG 5535 Edition 1 Air Surveillance and Ground Based sensors information exchange ADaTP-35	EDA											
Mode S IC	EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) EUROCONTROL-SPEC-153 Edition 1.0	EUROCONTROL											
Ground-based Surveillance Interrogations	EUROCONTROL Guidelines on the Assessment of Ground-based Surveillance Interrogations EUROCONTROL-GUID-178 Edition 2.0	EUROCONTROL											
Radar enablers	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 1: S band Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz EN 303 347-1 (V 1.1.1)	ETSI											
	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 3: X band Meteorological Radar Sensor operating in the frequency band 9 300 MHz to 9 500 MHz EN 303 347-3 (V 1.1.1)	ETSI											
	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 2: C band Meteorological Radar Sensor operating in the frequency band 5 250 MHz to 5 850 MHz EN 303 347-2 (V 1.1.1)	ETSI											
SSR	Air Traffic Control Surveillance Radar Sensors; Secondary Surveillance Radar (SSR); Harmonised Standard for access to radio spectrum; Part 1: SSR interrogator EN 303 363-1 (V 1.1.1)	ETSI											
PSR in X band	Primary Surveillance Radar (PSR); Part 3: Harmonized Standard for access to radio spectrum for Air Traffic Control (ATC) Primary Surveillance Radar sensors operating in 8500-10000 MHz frequency band (X band) EN 303 364-3 (V 1.1.1)	ETSI											
PSR in S band	Primary Surveillance Radar (PSR); Part 2: Harmonized Standard for access to radio spectrum for Air Traffic Control (ATC) Primary Surveillance Radar sensors operating in 2700-3100 MHz frequency band (S band) EN 303 364-2 (V 1.1.1)	ETSI											
ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 (Ed1.1)	EUROCONTROL											
	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 Edition 1.2	EUROCONTROL											
Network services													
ADEXP	CS ADEXP EUROCONTROL-SPEC-0107 Edition 3.1	EUROCONTROL								AF1 AF3 AF4 AF6	1.1.1 3.2.1 4.3.1 6.1.2		
	CS EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 Edition 3.2	EUROCONTROL								AF1 AF3 AF4 AF6	1.1.1 3.2.1 4.3.1 6.1.2		
	CS EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 Edition 3.3	EUROCONTROL								AF1 AF3 AF4 AF6	1.1.1 3.2.1 4.3.1 6.1.2		
SWIM													
SWIM	AIRM Model	EUROCONTROL							SWIM-STD-01	AF5	5.3.1 5.4.1 5.5.1 5.6.1		Available on http://airm.aero/
	SWIM Service Description EUROCONTROL-SPEC-168 Edition 1.0	EUROCONTROL								AF5	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1		
	SWIM Information Definition EUROCONTROL-SPEC-169 Edition 1.0	EUROCONTROL								AF5	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1		
	SWIM Technical Infrastructure Yellow Profile EUROCONTROL-SPEC-170 Edition 1.0	EUROCONTROL								AF5 AF6	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1 6.1.1		

	SWIM Technical Infrastructure Yellow Profile EUROCONTROL-SPEC-170 Edition 1.1	EUROCONTROL				AF5	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1 6.1.1	
	Supporting material for SWIM foundational specifications	EUROCONTROL				AF6	5.3.1 5.4.1 5.5.1 5.6.1	
AIS services								
Aeronautical information exchange	AIXM Edition 5.1.1	EUROCONTROL				AF2 AF3 AF5	2.2.1 3.1.1 5.3.1	
	Exchange of Flight Information Publication (FLIP) Data STANAG 7005 Edition 9	EDA						
	EUROCONTROL Specification for Data Assurance Levels EUROCONTROL-SPEC-148 Ed1.1	EUROCONTROL						
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) EUROCONTROL-SPEC-146 Ed2.1	EUROCONTROL				AF5	5.3.1	
	EUROCONTROL Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 2.2	EUROCONTROL						
	EUROCONTROL Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 3.0	EUROCONTROL						
Data-base	Standard for processing aeronautical data ED-76A	EUROCAE				AF5	5.3.1	B0-DAIM
	TS User Requirements for terrain & obstacle data	EUROCAE						B0-DAIM
	TS User Requirements for Mapping information ED-99D	EUROCAE				AF5	5.3.1	B0-DAIM
	TS User Requirements for navigation data ED-77A	EUROCAE						B1-DAIM
	Terrain, obstacles and aerodrome maps AIS Data Exchange Standard ED-119C	EUROCAE			AIMS-STD-01 STD-032	AF5	5.3.1	B0-DAIM
MET Systems and Services								
Meteorological information exchange	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 1: S band Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz EN 303 347-1 (V 1.1.1)	ETSI						
	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 3: X band Meteorological Radar Sensor operating in the frequency band 9 300 MHz to 9 500 MHz EN 303 347-3 (V 1.1.1)	ETSI						
	Meteorological Radars Harmonised Standard for access to radio spectrum; Part 2: C band Meteorological Radar Sensor operating in the frequency band 5 250 MHz to 5 850 MHz EN 303 347-2 (V 1.1.1)	ETSI						
		ICAO				AF5	5.4.1	
Flight data exchanges								
FIXM	FIXM v4	EUROCONTROL				AF5	5.6.1	
			CS (2019/C 31/06) QLDI EUROCONTROL-SPEC-0106 Ed4.3	EUROCONTROL		AF1 AF3 AF6	1.1.1 3.2.1 3.2.2 6.1.2	
			CS (2019/C 31/06) QLDI EUROCONTROL-SPEC-0106 Ed5.0	EUROCONTROL		AF1 AF3 AF6	1.1.1 3.2.1 3.2.2 6.1.2	
Flight object	Flight object exchange ED-133	EUROCAE						
IFPL			Community Specification: EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL-SPEC-0101 Edition 1.3	EUROCONTROL		AF4	4.3.1	
	EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL-SPEC-0101 Edition 2.0	EUROCONTROL						
Security								
Standards related to cybersecurity are covered by the European Cybersecurity for Aviation Standards Coordination Group (ECSCG). The C-RDP is available at www.ecscg.eu								
ATM ground system								
Remote tower	MASPS for Remote Tower optical systems ED-24D							B1-RATS
	MASPS for Remote Tower optical systems ED-24DA							B1-RATS
Air/ground data-link services								
ATN B1			COMMISSION IMPLEMENTING REGULATION (EU) 2020/208 of 14 February 2020			AF6	6.1.1 6.1.2	
	ATN B1 MASPS ED-120	EUROCAE						
	ATN B1 MASPS ED-120 Change 3	EUROCAE						
			Data Link Services (DLS) System; Community Specification - Requirements for ground constituents and system testing EN 303 214 (V 1.2.1)	ETSI		AF6	6.1.2	
ATN B2	ATN B2 standards ED-228A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TBO
	ATN B2 standards ED-229A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TBO

	ATN B2 standards ED-230A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TB0
	ATN B2 standards ED-231A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TB0
Air/ground communication technical enablers								
ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS ED-262	EUROCAE						
VDL Mode 2	VDL 2 Airborne MOPS ED-92B	EUROCAE						B0-TB0
	VDL 2 Airborne MOPS ED-92C	EUROCAE						B0-TB0
	Guidance on Air to Ground VDL Mode 2 Interoperability ED-276	EUROCAE				AF6	6.1.1 6.1.2	B0-TB0
	VHF air-ground Digital Link (VDL) Mode 2, Part 3: Harmonized EN covering the essential requirements of the Directive 2014/53/EU EN 301 841-3 (V 2.1.1)	ETSI				AF6	6.1.1 6.1.2	
	VHF air-ground Digital Link (VDL) Mode 2: Technical characteristics and methods of measurement for ground-based equipment; Part 1: Physical layer and MAC sub-layer EN 301 841-1 (V 1.4.1)	ETSI				AF6	6.1.1 6.1.2	
	VHF air-ground Digital Link (VDL) Mode 2: Technical characteristics and methods of measurement for ground-based equipment; Part 2: Upper Layers EN 301 841-2 (V 1.1.1)	ETSI				AF6	6.1.1 6.1.2	
	VHF air-ground Digital Link (VDL) Mode 2: Technical characteristics and methods of measurement for ground-based equipment; Part 2: Upper Layers EN 301 841-2 (V 1.2.1)	ETSI				AF6	6.1.1 6.1.2	
AeroMacs	SARPS on AeroMacs MOPS airborne component ED-223	ICAO						
	MASPS AeroMacs ED-227	EUROCAE						
Satcom	MASPS for AMS(RIS) Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242	EUROCAE						B2-TB0
	MASPS for AMS(RIS) Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242A	EUROCAE						B2-TB0
	MASPS for AMS(RIS) Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242B	EUROCAE				AF6	6.1.1 6.1.2	B2-TB0
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243	EUROCAE						B2-TB0
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243A	EUROCAE						B2-TB0
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243B	EUROCAE				AF 6	6.1.1	B2-TB0
VDL Mode 4	VHF air-ground Digital Link (VDL) Mode 4 radio equipment; Technical characteristics and methods of measurement for ground-based equipment; Part 5: Harmonized EN covering the essential requirements Directive 2014/53/EU EN 301 842-5 (V 2.1.1)	ETSI						
UHF	Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement EN 302 617-1 (V 2.2.1)	ETSI						
	Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 2: Harmonized EN covering the essential requirements Directive 2014/53/EU EN 302 617-2	ETSI						
	Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 2: Harmonized EN covering the essential requirements Directive 2014/53/EU EN 302 617	ETSI						
VHF	Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement EN 300 676-1	ETSI						



	Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation; Part 2: Harmonized EN covering essential requirements of article 3.2 Directive 2014/53/EU EN 300 676-2 (V 2.1.1)	ETSI						
	Part 22: Specific conditions for ground based VHF aeronautical mobile and fixed radio equipment; Harmonised Standard for Electro Magnetic Compatibility EN 301 489-22	ETSI						
Ground/ground data-link services								
AMHS			CS Revision of EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) EUROCONTROL-SPEC-136 Edition 1.2	EUROCONTROL				
VOIP	Voice over IP Ground/Ground Communication ED-137-1/C Vol 1 (Radio)	EUROCAE						
	Voice over IP Ground/Ground Communication ED-137-2/C Vol 2 (Telephone)	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 1 To Volume 2: MFC/R2 and A/T/S/QSIG Telephone Interworking" ED-137 Volume 2 Addendum 1	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 2 To Volume 2: FAA Legacy Telephone Interworking" ED-137 Volume2 Addendum 2	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 3 To Volume 2: Instantaneous Access Call" ED-137 Volume2 Addendum 3	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 4 To Volume 2: Override Call" ED-137 Volume2 Addendum 4	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 5 To Volume 2: Voice Call" ED-137 Volume2 Addendum 5	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 6 To Volume 2: Extended Call Forward" ED-137 Volume2 Addendum 6	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 7 To Volume 2: Extended Position Monitor" ED-137 Volume2 Addendum 7	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 8 To Volume 2: Radio Intercom Call" ED-137 Volume2 Addendum 8	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 9 To Volume 2: Hotline Access Call" ED-137 Volume2 Addendum 9	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum 10 To Volume 2: Call/Answer Access Call" ED-137 Volume2 Addendum 10	EUROCAE						
	Voice over IP Ground/Ground Communication European Legacy Telephone Interworking ED-137-3/C Vol 3	EUROCAE						
	Voice over IP Ground/Ground Communication Recording ED-137-4/C Vol 4	EUROCAE						
	Voice over IP Ground/Ground Communication Supervision ED-137-6/C	EUROCAE						
Drones								
Standards related to UAS are covered by the European UAS Standards Coordination Group (EUSCG). The U-RDP is available at www.euscg.eu								
ACAS for drones	MDPS for ACAS-Xu ED-275	EUROCAE						B3-ACAS
Other domains								
Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring - Airport Operator Datalow EUROCONTROL-SPEC-175 Edition 1.0	EUROCONTROL						
	EUROCONTROL Specification for Operational ANS Performance Monitoring - Air Transport Operator Datalow EUROCONTROL-SPEC-180 Edition 1.0	EUROCONTROL						
Environment	EUROCONTROL Specification for Collaborative Environmental Management EUROCONTROL-SPEC-156 Edition 1.1	EUROCONTROL						