



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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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						
1	Navigation applications														
	Airborne capability														
	RNP Based 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		
1	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									
		MOPS For Global Navigation Satellite Ground Based Augmentation System Ground Equipment To Support Precision Approach and Landing ED-114B Change 1	EUROCAE	WG-28	Dec 2021	Ongoing					BTNAV-STD-09			B2-APTA	

GNSS Contingency	MPS for Distance Measuring Equipment (DME/N and DME/P) (ground equipment) ED-57A	EUROCAE	WG-107	Dec 2022	Ongoing													
	MASPS for RNP reversion using DME/DME positioning ED-XXX	EUROCAE	WG-107	Dec 2022	Ongoing													
EVS/SVS	MASPS for SVS SVGS CVS ED-XX	EUROCAE	WG-79	Q4/2021	On going									Joint activities with SC-213	B0-APTA			
	MASPS for EVS CVS EFVS ED-XX	EUROCAE	WG-79	Q4/2021	On going									Joint activities with SC-213	B0-APTA			
	MASPS for a Combined Vision System for Helicopter Operations for Low Visibility Operational Credit ED-XX	EUROCAE	WG-79	Q2/2022	On going										B0-APTA			
	Test Procedures for Quantified Visual Advantage ED-xxx	EUROCAE	WG-79	Q3/2021	On going													
Radar altimeter	MOPS for Low Range Radar Altimeters ED-30A	EUROCAE	WG-119	Q4/2022	On going									Joint activities with SC-239 / DO-155A				
Airport system																		
DMAN & A-CDM	EUROCONTROL Specification for A-CDM EUROCONTROL-SPEC-nnn Edition 1.0	EUROCONTROL		Q4/2021	On going													
	MASPS for Airport CDM Systems ED-141A	EUROCAE	WG-111	Q4/2021	On going													
	Airport CDM Interface Specification ED-145A	EUROCAE	WG-111	Q4/2021	On going													
	Guidelines for Test and Validation Related to Airport CDM Interoperability ED-146A	EUROCAE	WG-111	Q4/2021	On going													
	Airport CDM SWIM Service Performance Specification ED-XX	EUROCAE	WG-111	Q4/2021	On going													
	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													

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M	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	Family update
		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										
	M		CS on ASMGCS Part 8: A-SMGCS routing service EN 303 213-8 (V 1.1.1)	ETSI		2023	On going									
		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										Delay
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										
1	En Route ATM functions															
1	Surveillance applications															
	ACAS															
	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															
1	Surveillance technical enablers															

	ADS ground station																					
	ADS-B	Technical Specification for an ADS-B Ground System ED-129C	EUROCAE	WG-51	Q3/2022	On going																
M	Mode S	EUROCONTROL Specification for European Modes S Station (EMS) EUROCONTROL-SPEC-XXX Edition 4.0	EUROCONTROL		Q3/2021	On going																
		EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) EUROCONTROL-SPEC-153 Edition 1.1	EUROCONTROL		Q4/2021	On going																
	Mode S transponder	MOPS Mode S GA transponder ED-115A	EUROCAE	WG-49	Q2/2022	Ongoing															B0-ASUR	
	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
M	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																Delay
			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										
M	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
1	Network services															
M	ADEXP						EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 Edition 3.3	EUROCONTROL	Q2 2021	On going		AF1 AF3 AF4 AF6	1.1.1 3.2.1 4.3.1 6.1.2			Family update Standard published and submitted to EC for OJEU listing as SES Community specification
	ASM	EUROCONTROL Specification for ASM Part III Edition 1.0	EUROCONTROL		Q4/2021	Planned										
A		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											New item

A		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		Q1/2023													New item
	1	SWIM																
A	SWIM Common Components	EUROCONTROL Specification for SWIM Service Description EUROCONTROL-SPEC-168 Edition 1.1	EUROCONTROL		Q4/2021	On going												New item
	SWIM	SWIM Technical Infrastructure - Blue Profile	EUROCONTROL		TBD	Not Planned							SWIM-STD-04					Dependent upon ED-133 update
M		SARPS on Information Management (PANS-IM)	ICAO	IMP		Ongoing												Applicability 2022 Family removed
1	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												
M		EUROCONTROL Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 3.0	EUROCONTROL			Published												Published
M		EUROCONTROL Specification for AIP Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2022	Ongoing												
M		EUROCONTROL Specification for Obstacle Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2022	Planned												
M		EUROCONTROL Specification for Digital NOTAM Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	Planned												

M		EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	Planned												
	M	AIXM Edition 5.2	EUROCONTROL		Q4/2021	On going					AF2 AF3 AF5	2.2.1 3.1.1 5.3.1						
		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												
		EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned												
M		PANS-IM covering AIRM	ICAO	IMP	2019	Ongoing											Family update	
	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	Jun-22	Ongoing								coordinated activities	B2-DAIM			
1	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			coordinated activities	B2-AMET			
	Flight data exchanges																	
	IFPL						EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL- SPEC-0101 Edition 2.0	EUROCONTROL	Q3/2021	Planned		AF4	4.3.1					Standard published and 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	Q2/2021	Planned		AF1 AF3 AF6	1.1.1 3.2.1 3.2.2 6.1.2					Family update Standard published and 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 Delau
	EUROCONTROL Specification on Data Link Services EUROCONTROL-SPEC-116 Edition 2.2	EUROCONTROL		Q2/2022	Planned											New item
	Safety and Performance Standard for Baseline 2 ATS Data Communication ED-228B	EUROCAE	WG-78	Q2/2023	On going											New item
	Interoperability Standard for Baseline 2 ATS Data Communication Via ATN ED-229B	EUROCAE	WG-78	Q2/2023	On going											New item
	Interoperability Standard for Baseline 2 ATS Data Communication, FANS 1/A Accommodation ED-230B	EUROCAE	WG-78	Q2/2023	On going											New item

	Interoperability Standard for Baseline 2 ATS Data Communication, Baseline 1 Accommodation ED-231B	EUROCAE	WG-78	Q2/2023	On going													New item	
M						Data Link Services RMT.0524	EASA	Q3/2023	Ongoing		AF6	6.1.1 6.1.2 6.2.1 6.3.1						Family update	
1	Air/ground communication technical enablers																		
	ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS ED-262A	EUROCAE	WG-108	Q3/2021	Ongoing													
		Guidance on ATN/IPS end to end interoperability and certification ED-XX	EUROCAE	WG-108	Q2/2021	Ongoing											coordinated activities	B0-TBO	
	VDL Mode 2	VDL 2 Airborne MOPS ED-92D	EUROCAE	WG-92	Q4/2021	On going											Joint activity with RTCA SC 214	B0-TBO	
M		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							Delay
M		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 dependency on EN 301 841-1
M	AeroMacs	Airport Surface Data Link (AeroMACS) Harmonised Standard for access to radio spectrum EN 303 623 (V 1.1.1)	ETSI		Q4/2022	Ongoing													Delay
		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												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	
1	Air/air data-link services														
	Air to air	AIR AIR point to point Data-Link Services	EUROCAE		2025	Planned									Long term activity at EUROCAE
1	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									
A	AMHS						EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) EUROCONTROL-SPEC-0136 Edition 2.1	EUROCONTROL	Q1/2022	On going					New item Standard published and submitted to EC for OJEU listing as SES Community specification
1	Drones														
	Standards related to UAS are covered by the European UAS Standards Coordination Group (EUSCG). The EUSCG RDP is available at www.euscg.eu														
1	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 "
1	Other domains														
	Performances														
M	Environment	EUROCONTROL Specification for Collaborative Environmental Management (CEM) EUROCONTROL-SPEC-156 Edition 2.0	EUROCONTROL		Q3/2021	On going									

Domains	Standardisation		Regulation		Master Plan reference	CPs AF	SDM reference Deployment Plan Families	Link to ICAO ASBU
	Standardisation activity	Standardisation organisation	Regulatory activity	Regulatory organisation				
Navigation applications								
Airborne capability	MASPS; Required Navigation Performance for Area Navigation ED-75D	EUROCAE						BO-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 concerning performance-based navigation	EC				
			EASA regulatory material on PBN incorporating Doc 9613 EASA RMT 0519 Executive Director Decision 2019/011/R of 26/04/2019	EASA				
Navigation technical enablers								
GNS5	Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment ED-259	EUROCAE			STD-023			B2-APTA
GBAS	GBAS Cat 1 ground system ED-114A	EUROCAE						BO-APTA
	GBAS Cat 1 ground system ED-114A Change 1	EUROCAE						BO-APTA
	GBAS Cat 1 ground system ED-114B	EUROCAE			BTNAV-STD-09			BO-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-255	EUROCAE						BO-SURF
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems ED-257	EUROCAE			BTNAV-0504			BO-APTA
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems ED-257 Change 1	EUROCAE						

	MASPS) for Aircraft state awareness Synthetic Vision System ED-249	EUROCAE							BO-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 (V 1.1.1)	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 MST.029	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 Ed1.0 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 MTCD Specification EUROCONTROL-SPEC-139 Edition 2.0	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) 73/2010 (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			B0-ASUR
	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			B0-ASUR
	MOPS FIM ED-236	EUROCAE			ASAS-STD-01			B0-ASUR
	MOPS for FIM ED-236A	EUROCAE			ASAS-STD-01			B0-ASUR
	Minimum Operational Performance Standards (MOPS) for FIM ED-236A Change 1	EUROCAE			ASAS-STD-01			B0-ASUR
	MOPS for Aircraft Surveillance Applications (ASA) System ED-194B	EUROCAE			ASAS-STD-01			B0-ASUR
	MOPS for 1090 MHz Extended Squitter ADS-B and TIS-B ED-102B	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			B0-ASUR
	ADS-B ground station 1090MHz ED-129B	EUROCAE			STD-027			B0-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	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	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 AF6	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				AF5	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						
Data-base	Standard for processing aeronautical data ED-76A	EUROCAE				AF5	5.3.1	B0-DAIM
	TIS User Requirements for terrain & obstacle data ED-98C	EUROCAE						B0-DAIM
	TIS User Requirements for Mapping information ED-99D	EUROCAE				AF5	5.3.1	B0-DAIM
	TIS 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	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 4.1.1)	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						
	IWXMM	ICAO				AF5	5.4.1	

Flight data exchanges								
FIXM	FIXM v4	EUROCONTROL				AF5	5.6.1	
			CS (2019/C 31/06) OLDI 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) OLDI 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-240							B1-RATS
	MASPS for Remote Tower optical systems ED-240A							B1-RATS
Air/ground data-link services								
ATN B1			COMMISSION IMPLEMENTING REGULATION (EU) 2020/208 of 14 February 2020	EC		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	BO-TBO
	ATN B2 standards ED-229A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	BO-TBO
	ATN B2 standards ED-230A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	BO-TBO
	ATN B2 standards ED-231A	EUROCAE			STD-004	AF6	6.1.1 6.1.2	BO-TBO
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						BO-TBO

	VDL 2 Airborne MOPS ED-92C	EUROCAE						B0-TBO
	Guidance on Air to Ground VDL Mode 2 Interoperability ED-276	EUROCAE				AF6	6.1.1 6.1.2	B0-TBO
	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	ICAO						
	MOPS airborne component ED-223	EUROCAE						
	MASPS AeroMacs ED-227	EUROCAE						
Satcom	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242A	EUROCAE						B2-TBO
	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242A	EUROCAE						B2-TBO
	MASPS for AMS(R)S 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-TBO
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243	EUROCAE						B2-TBO
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243A	EUROCAE						B2-TBO
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243B	EUROCAE				AF 6	6.1.1	B2-TBO



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 (V 4.1.2)	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	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 (V 2.1.1)	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 ATS/QSIG Telephone Interworking" ED-137 Volume 2 Addendum 1	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum2 To Volume 2: FAA Legacy Telephone Interworking" ED-137 Volume2 Addendum 2	EUROCAE						
	"Interoperability Standard for VOIP ATM Components – Addendum3 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						
	"InteroperabilityStandard 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	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-137-5/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	MOPS for ACAS-Xu ED-275	EUROCAE						B3-ACAS
Other domains								
Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring - Airport Operator Dataflow EUROCONTROL-SPEC-175 Edition 1.0	EUROCONTROL						
	EUROCONTROL Specification for Operational ANS Performance Monitoring - Air Transport Operator Dataflow EUROCONTROL-SPEC-180 Edition 1.0	EUROCONTROL						
Environment	EUROCONTROL Specification for Collaborative Environmental Management EUROCONTROL-SPEC-156 Edition 1.1	EUROCONTROL						