



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.

Version: 17
08/03/2022
EASCG 25

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		
		ED-XXX MOPS : Required Navigation 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	Q4/2022	On going					AF2	2.2.1			SDM references added target date change
M		Airport CDM SWIM Service Performance Specification ED-XX	EUROCAE	WG-111	Q2/2023	On going									target date change
		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
M	Runway system	MASPS for Runway Weather Information ED-XX	EUROCAE	WG-109		published									published 09/12/2021
A		ED-235A MASPS for FOD detection systems	EUROCAE	WG-83	Q4/2023	ongoing									new item
	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)
M		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			published									Published in April 2022
Queue management & approach sequencing															

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	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	tbd	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										

M	Asterix	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL- SPEC-149 Edition 3.1	EUROCONTROL			published									Published 23 November 2021
	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
A	ADS-C	EUROCONTROL Specification for SWIM ADS-C Ground Distribution Service EUROCONTROL- SPEC-nnn Edition 1.0	EUROCONTROL	OEP 12.2	Q4 2023	Ongoing					AF6				New item Associated to CP1 AF6, Operational Excellence Programme WST 12.2 and SESAR PJ38, PJ31, PJ18
A		EUROCONTROL Specification for ADS-C Common Service EUROCONTROL- SPEC-nnn Edition 1.0	EUROCONTROL	OEP 12.2	Q4 2023	Ongoing					AF6				New item Associated to CP1 AF6, Operational Excellence Programme WST 12.2 and SESAR PJ38, PJ31, PJ18
Network services															
	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
A		EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL-SPEC- 107 Edition n.n	EUROCONTROL OLDI group	Q4/2023	On going							AF1 AF3 AF4 AF6			new item update of current Ed 3.3
	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		Q2/2022							AF3 AF 5	3.1.1 5.3.1		Update target date as this update depends on the SWIM service description specification (SPEC-168) publication

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		Q2/2022	ongoing					AF3 AF5	3.1.1 5.3.1			Update target date as this update depends on the SWIM service description specification (SPEC-168) publication
SWIM															
M	SWIM Common Components	EUROCONTROL Specification for SWIM Service Description EUROCONTROL- SPEC-168 Edition 2.0	EUROCONTROL			published					AF5 AF5 AF5 AF5	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1			Consultation completed; published 15 March 2022
	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															
M		EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) EUROCONTROL- SPEC-146 Edition 3.0	EUROCONTROL			published					AF5	5.3.1			Published 30 November 2021 Corrected edition number to 3.0 SDM references added
M		EUROCONTROL Specification for the Origination of Aeronautical Data Vol 2 EUROCONTROL- SPEC-154 Edition XX	EUROCONTROL			published					AF5	5.3.1			Published 16 December 2021 Corrected Title Corrected edition number to 2.0 Explanation of changes : https://image.smc.eurocontrol.int/lib/fec01575776c0375/m/12/4c171bf8-a8bb-4672-971d-3214748d8aa5.pdf SDM references added
		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									

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	AIXM Edition 5.2	EUROCONTROL		Q1/2022	On going						AF2 AF3 AF5	2.2.1 3.1.1 5.3.1			See https://www.aixm.aero/page/future-aixm-version-52	
	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											
	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 messages as required	EUROCAE	Q1/2022	WG-76	ongoing									new activity. EUROCAE only.		
	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		
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

A						EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL- SPEC-101 Edition 3.0	EUROCONTROL	Q4/2022	ongoing		AF4				New item Update of current Ed 2.0. Addition of FF-ICE R1 (eFPL) flight plan submissions
	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
A						EUROCONTROL Specification for On- Line Data Interchange (OLDI) EUROCONTROL- SPEC-106 Edition n.n	EUROCONTROL OLDI Group	Q1/2023	Planned		AF1 AF3 AF6				new item Update of current Ed 5.0
M	Flight object	Flight object exchange ED-133A	EUROCAE	WG-59	Q4/2022	Ongoing					STD-033 ATC-STD-01			B1-FICE	target date change
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		Published									Published 18/10/2021
						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															
M	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									To be recognised as CS SDM references removed
		EUROCONTROL Specification on Data Link Services EUROCONTROL- SPEC-116 Edition 2.2	EUROCONTROL	OEP 12.1	Q2/2022	Planned									Update associated to ICAO Doc 9880 and Operational Excellence Programme WST 12.1

M	Safety and Performance Standard for Baseline 2 ATS Data Communication ED-228B	EUROCAE	WG-78	Q2/2023	On going						AF6	AF6 6.1.1 6.1.2			SDM references added
M	Interoperability Standard for Baseline 2 ATS Data Communication Via ATN ED-229B	EUROCAE	WG-78	Q2/2023	On going						AF6	6.1.1 6.1.2			SDM references added
M	Interoperability Standard for Baseline 2 ATS Data Communication, FANS 1/A Accommodation ED-230B	EUROCAE	WG-78	Q2/2023	On going						AF6	6.1.1 6.1.2			SDM references added
M	Interoperability Standard for Baseline 2 ATS Data Communication, Baseline 1 Accommodation ED-231B	EUROCAE	WG-78	Q2/2023	On going						AF6	6.1.1 6.1.2			SDM references added
M						Data Link Services RMT.0524	EASA	Q3/2023	Ongoing						SDM references removed
A	ED-xxx ATS Data Communications Verification Test Standard	EUROCAE	WG-78	Q4/2023									Joint activity with RTCA SC 214		new item
Air/ground communication technical enablers															
	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	
M	VDL Mode 2	VDL 2 Airborne MOPS ED-92D	EUROCAE	WG-92	Q4/2022	On going							Joint activity with RTCA SC 214	B0-TBO	target date change
		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

A		ED-xx Signal-In-Space MASPS for Advanced VHF Digital Data Communications	EUROCAE	WG-92	Q1/2023	Ongoing							joint with RTCA SC-214		new item			
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							STD-018		This technology could be used for ATS air-ground exchange at aerodromes.			
M		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. This technology could be used for ATS air-ground exchange at aerodromes.			
M	LDACS	L Band Air Ground Communication System	EUROCAE	WG-82	2025	Planned							STD-036	AF6	6.1.1 6.1.2	B3-TBO	Long terms activity at EUROCAE SDM references added	
A		MASPS for LDACS	EUROCAE	WG-82	Q4/2024	ongoing										new item		
A		MOPS for LDACS	EUROCAE	WG-82	Q4/2024	ongoing										new item		
M	Satcom	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242C	EUROCAE	WG-82		published								AF6	6.1.1 6.1.2	coordinated activities (SC222)	B2-TBO	Published 28/6/2021
A		MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242D	EUROCAE	WG-82	Q4/2023	ongoing									coordinated activities (SC222)		new item	
M		MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243C	EUROCAE	WG-82		published							STD-020	AF6	6.1.1	coordinated activities (SC222)	B3-TBO	Published 28/6/2021
A		MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243D	EUROCAE	WG-82	Q4/2024	ongoing									coordinated activities (SC222)		new item	
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 1.3	EUROCONTROL			published										Published 16 December 2021 Corrected edition number to 1.3

Domains	Standardisation		Regulation		Master Plan reference	CPs AF	30M Reference Deployment Plan	Link to ICAO ASBU
	Standardisation activity	Standardisation organisation	Regulatory activity	Regulatory organisation				
Navigation applications								
Airborne capability	MASPS: Required Navigation Performance for Area Navigation ED-290	EUROCAE						B0-TBO
Performance Based Operations	Doc 9613 Ed 4	ICAO			STD-001			
			COMMISSION IMPLEMENTING REGULATION (EU) 2019/048 of 18 July 2019 laying down airspace usage requirements and operating procedures (operation performance based operation)	EC				
			EASA regulatory material on PBN incorporating Doc 9613	EASA				
			EASA RMT 0519					
			Executive Director Decision 2019/011/R of 28/04/2019					
Navigation technical enablers								
GNSS	Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment ED-295	EUROCAE			STD-023			B2-APTA
GBAS	GBAS Cat 1 ground system ED-146	EUROCAE						B0-APTA
	GBAS Cat 1 ground system ED-144A	EUROCAE						B0-APTA
	Change 1 GBAS Cat 1 ground system ED-146	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-295	EUROCAE						B0-SURF
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems ED-297	EUROCAE			BTNAV-0504			B0-APTA
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems ED-297 Change 1	EUROCAE						
	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 (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 303 213-6-1	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 303 213-6-2	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 IV.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 IV.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	EUROCONTROL				STD-065		
AMAN SWIM services	MASPS covering the Extended horizon AMAN upstream coordination service ED-264	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-141	EUROCONTROL				STD-062		
	EUROCONTROL Trajectory Prediction Specification EUROCONTROL-SPEC-141	EUROCONTROL				STD-063		
	EUROCONTROL Area Proximity Warning (APW) Guidelines EUROCONTROL-GUID-161 EUROCONTROL-MSAW-Guidelines EUROCONTROL-GUID-161	EUROCONTROL				STD-064		
	EUROCONTROL APW Guidelines EUROCONTROL-GUID-161 EUROCONTROL-GUID-161	EUROCONTROL						
	EUROCONTROL Guidelines for Supporting the Implementation of Commission Regulation (EU) 732/2010 (ADQ) EUROCONTROL-GUID-161	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-266	EUROCAE						B2-ACAS
	MOPS for ACAS X ED-266 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 ASPR-FIM ED-195A					ASAS-STD-01		B0-ASUR
	MOPS for 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-109B	EUROCAE						
Surveillance technical enablers								
Mode S transponder	MOPS Mode S transponder ED-12F	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-148 Edition 2.4	EUROCONTROL						
	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-148 Edition 2.5	EUROCONTROL						

	STANAG 5536 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-163 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 Edt 1.1	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	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1	
	SWIM Technical Infrastructure Yellow Profile EUROCONTROL-SPEC-170 Edition 1.1	EUROCONTROL					AF5 AF6	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1	
	Supporting material for SWIM foundational specifications	EUROCONTROL					AF5 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 Edt 1	EUROCONTROL							
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (AIP) EUROCONTROL-SPEC-146 Edt 1	EUROCONTROL					AF5	5.3.1	

M	VHF air-ground Digital Link (VDL) Mode 2 Technical characteristics and methods of measurement for ground-based equipment, Part 2: Upper Layers EN 301 541-2 (V 2.1.1)	ETSI								SDM references removed
AeroMacs	SARSPS on AeroMacs MOPS airborne component ED-221 MASFPS AeroMacs ED-227	ICAO EUROCAE EUROCAE								
Satcom	MASFPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242 MASFPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242A MASFPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242B MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243 MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243A MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243B	EUROCAE EUROCAE EUROCAE EUROCAE EUROCAE EUROCAE								B2-TBO B2-TBO B2-TBO B2-TBO B2-TBO 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 301 542-5 (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 (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 (V 2.2.1)	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 1.6.2)	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 (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 (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-131	EUROCONTROL						
VoIP	Voice over IP Ground/Ground Communication ED-137-IC Vol 1 (Radio)	EUROCAE								
	Voice over IP Ground/Ground Communication ED-137-IC 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 – 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: Overrice 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-137-6/C Vol 3	EUROCAE						
	Voice over IP Ground/Ground Communication Recording ED-137-6/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	MOPS for ACAS-Xu ED-211	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						