



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 26

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						
	<b>Navigation applications</b>														
	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	published							Joint activity with RTCA SC-227; RTCA DO-236D		published 24 June 2022
M		ED-XXX MOPS : Required Navigation Performance for Area Navigation	EUROCAE	WG-85	Q1/2024	ongoing							joint with RTCA		
	<b>Navigation technical enablers</b>														
	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 <b>ED-114B</b> Change 1	EUROCAE	WG-28	Q4/2022	ongoing							BTNAV-STD-09						B2-APTA	
GNSS Contingency	MPS for Distance Measuring Equipment (DME/N and DME/P) (ground equipment) <b>ED-57A</b>	EUROCAE	WG-107	Dec 2022	ongoing														
	MASPS for RNP reversion using DME/DME positioning <b>ED-XXX</b>	EUROCAE	WG-107	Dec 2022	ongoing														
EVS/SVS	MASPS for SVS SVGS CVS <b>ED-XX</b>	EUROCAE	WG-79	Q4/2021	ongoing									Joint activities with SC-213				B0-APTA	
	MASPS for EVS CVS EFVS <b>ED-XX</b>	EUROCAE	WG-79	Q4/2021	ongoing									Joint activities with SC-213				B0-APTA	
	MASPS for a Combined Vision System for Helicopter Operations for Low Visibility Operational Credit <b>ED-XX</b>	EUROCAE	WG-79	Q2/2022	ongoing													B0-APTA	
	Test Procedures for Quantified Visual Advantage <b>ED-xxx</b>	EUROCAE	WG-79	Q3/2021	ongoing														
Radar altimeter	MOPS for Low Range Radar Altimeters <b>ED-30A</b>	EUROCAE	WG-119	Q4/2022	ongoing									Joint activities with SC-239 / DO-155A					
<b>Airport system</b>																			
DMAN & A-CDM	EUROCONTROL Specification for A-CDM EUROCONTROL-SPEC-1.0 Edition 1.0	EUROCONTROL		Q2/2023	ongoing														target date change Informal consultation closed, formal consultation to be launched end 2022
	MASPS for Airport CDM Systems <b>ED-141A</b>	EUROCAE	WG-111	Q4/2022	ongoing							AF1 AF2	1.2.1 2.1.1 2.2.1						
	Airport CDM Interface Specification <b>ED-145A</b>	EUROCAE	WG-111	Q4/2022	ongoing							AF1 AF2	1.2.1 2.1.1 2.2.1						

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	Guidelines for Test and Validation Related to Airport CDM Interoperability <b>ED-146A</b>	EUROCAE	WG-111	Q4/2022	ongoing						AF2	2.2.1			
	Airport CDM SWIM Service Performance Specification <b>ED-XX</b>	EUROCAE	WG-111	Q2/2023	ongoing										
	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	EUROCAE	WG-83	Q4/2023	ongoing										
M	A-SMGCS	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) <b>ED-87E</b>	EUROCAE	WG-41	Q3/2022	published					ASMGCS-STD-01	AF2	2.1.1	B2-SURF	published 11 May 2022
		Interop Document on Surveillance, Routing, Safety Support <b>ED-XXX</b>	EUROCAE	WG-41	Q3/2022	Ongoing					ASMGCS-STD-01			B2-SURF	
		Guidelines for Surveillance Data Fusion for A-SMGCS Levels 1&2 <b>ED-128A</b>	EUROCAE	WG-41	TBD	On hold					ASMGCS-STD-01			B0-SURF	
		MOPS for supporting sensor systems for use in A-SMGCS <b>ED-xxx</b>	EUROCAE	WG-41	Q3/2023	Planned									
		CS on ASMGCS Part 8: A-SMGCS routing service <b>EN 303 213-8 (V 1.1.1)</b>	ETSI		2023	On going									To be recognised as CS Delay (dependency on ED-87E)
<b>Queue management &amp; approach sequencing</b>															
	TBS for final approach	EUROCONTROL Specification for Time-based Separation (TBS) <b>EUROCONTROL-SPEC-167 Edition 1.1</b>	EUROCONTROL		Q4/2022	Planned									
<b>En Route ATM functions</b>															
	Free route														
<b>Surveillance applications</b>															
	ACAS	ED-xxx MOPS for ACAS Xr	EUROCAE	WG-75	Q4/2025	ongoing								Joint activities with SC-147	
		ED-256 Ch. 2 "MOPS for ACAS Xa with	EUROCAE	WG-75	Q2/2022	ongoing								Joint activities with SC-147	
M	Ground applications	Generic SPR for surveillance service <b>ED-261 Vol 1</b>	EUROCAE	WG-102	Q1/2022	published					STD-027			B1-ASUR	published 12 April 2022
	M	Generic SPR for surveillance service <b>ED-261 Vol 2</b>	EUROCAE	WG-102	Q1/2022	published					STD-027			B1-ASUR	published 12 April 2022

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	Generic SPR for surveillance service <b>ED-261 Vol 3</b>	EUROCAE	WG-102	Q1/2022	published									STD-027				B1-ASUR	published 12 April 2022
Airborne applications																			
<b>Surveillance technical enablers</b>																			
ADS ground station	ED-102B Ch 1	EUROCAE	WG-51	Q2/2022	ongoing													joint with RTCA SC-186	
ADS-B	Technical Specification for an ADS-B Ground System <b>ED-129C</b>	EUROCAE	WG-51	Dec-22	ongoing														
Mode S transponder	MOPS Mode S GA transponder <b>ED-115A</b>	EUROCAE	WG-49	Q3/2023	Ongoing														B0-ASUR
	ED-73F Ch 1	EUROCAE	WG-49	Q2/2022	Ongoing													joint with RTCA SC-209	
WAM/ADS-B composite	TS for WAM Ground System with Composite Surveillance Functionality <b>ED-142A</b>	EUROCAE	WG-51	Q2/2023	Ongoing														B1-ASUR
	Wide Area Multilateration (WAM) systems Harmonised Standard for access to radio spectrum <b>EN 303 489 (V 1.1.1)</b>	ETSI		2022	Ongoing														
MSPSR	TS for INCS system <b>ED-288</b>	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 <b>EN 303 363-2 (V 1.1.1)</b>	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. <b>EN 303 364-1-1</b>	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 <b>EN 303 364-1-2</b>	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									
A	ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) <b>EUROCONTROL-SPEC-147 Edition 1.3</b>	EUROCONTROL		Q3/2023	Ongoing									Edition 1.3 will be a minor update introducing requirements in support of 1 or 2 new applications: 2.5 NM separation in the same final approach and, possibly, 3 NM separation in En-Route
M		EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) <b>EUROCONTROL-SPEC-147 Edition 2.0</b>	EUROCONTROL		Q4/2025	Planned									Target date updated A major update of ESASSP (Edition 2.0) is foreseen following the ICAO RSUR developments
	ADS-C	EUROCONTROL Specification for SWIM ADS-C Ground Distribution Service <b>EUROCONTROL-SPEC-xxx Edition 1.0</b>	EUROCONTROL	OEP 12.2	Q4 2023	Ongoing					AF6				Associated to CP1 AF6, Operational Excellence Programme WST 12.2 and SESAR PJ38, PJ31, PJ18
		EUROCONTROL Specification for ADS-C Common Service <b>EUROCONTROL-SPEC-xxx Edition 1.0</b>	EUROCONTROL	OEP 12.2	Q4 2023	Ongoing					AF6				Associated to CP1 AF6, Operational Excellence Programme WST 12.2 and SESAR PJ38, PJ31, PJ18
<b>Network services</b>															
	ADEXP						EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) <b>EUROCONTROL SPEC-0107 Edition 3.3</b>	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		EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) <b>EUROCONTROL- SPEC-107 Edition 3.4</b>	EUROCONTROL	OLDI group	Q4/2023	On going					AF1 AF3 AF4 AF6				moved to standardisation activity
	ASM	EUROCONTROL Specification for ASM Part III Edition 1.0	EUROCONTROL		Q4/2022	Planned									removed from A-RDP
		EUROCONTROL Specification for Airspace Management (ASM) Support System Requirements supporting the ASM processes at local and FAB level - Part I <b>EUROCONTROL- SPEC-166 Edition 1.1</b>	EUROCONTROL		Q3/2023	Planned					AF3 AF 5	3.1.1 5.3.1			Target date updated
		EUROCONTROL Specification for Airspace Management (ASM) Support System Requirements supporting the ASM processes at local and FAB level - Part II <b>EUROCONTROL- SPEC-179 Edition 1.1</b>	EUROCONTROL		Q4/2022	ongoing					AF3 AF5	3.1.1 5.3.1			Target date updated
<b>SWIM</b>															
	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									
<b>AIS services</b>															
	Aeronautical information exchange	EUROCONTROL Specification for AIP Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	ongoing									target date updated
M		EUROCONTROL Specification for Obstacle Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	ongoing									target date & status updated
M		EUROCONTROL Specification for Digital NOTAM Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2022	ongoing									status updated
M		EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2023	planned									target date updated
M		AIXM Edition 5.2	EUROCONTROL		Q3/2022	ongoing					AF2 AF3 AF5	2.2.1 3.1.1 5.3.1			target date updated See <a href="https://www.aixm.aero/page/future-aixm-version-52">https://www.aixm.aero/page/future-aixm-version-52</a>

	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 <b>ED-302</b>	EUROCAE	WG-44	Q2/2022	published								Joint with RTCA SC- 217 DO-394			published 24 June as ED-302; RTCA DO-394	
	Standards for Processing Aeronautical Data <b>ED-76B</b>	EUROCAE	WG-44	Q2/2024	ongoing								Joint with RTCA SC- 217 DO-200C				
	User Requirements for Navigation Data <b>ED-77B</b>	EUROCAE	WG-44	Q3/2024	ongoing								Joint with RTCA SC- 217 DO-201C				
Data-link services	MASPS AIS Datalink Applications <b>ED-XXX</b>	EUROCAE	WG-76	Q2/2023	ongoing								coordinated activities	B2-DAIM			
	ED-89A Ch 1 Modification of D-ATIS message maximum length to support longer messages as required by ICAO GRF	EUROCAE	Q1/2022	WG-76	ongoing												
	ED-89B Data-Link Application System Document (DLASD) for the "ATIS" Data-Link Service	EUROCAE	Q1/2023	WG-76	ongoing								Joint activity with RTCA SC-206				
<b>Meteo system &amp; services</b>																	
SWIM	MET SWIM Service	EUROCAE	TBD	2020	Planned												B2-AMET
Data-link services	MASPS MET Datalink Applications <b>ED-XXX</b>	EUROCAE	WG-76	Jun-22	ongoing						AGDLS-STD- 08		joint activity with RTCA SC-206	B2-AMET			
<b>Flight data exchanges</b>																	
IFPL						EUROCONTROL Specification for the Initial Flight Plan (IFPL) <b>EUROCONTROL- SPEC-0101 Edition 2.0</b>	EUROCONTROL	TBD	Planned		AF4	4.3.1					Submitted to EC for OJEU listing as SES Community specification

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	EUROCONTROL Specification for the Initial Flight Plan (IFPL) <b>EUROCONTROL- SPEC-101 Edition 3.0</b>	EUROCONTROL		Q4/2022	ongoing						AF4			Moved to standardisation activity Update of current Ed 2.0. Addition of FF-ICE R1 (eFPL) flight plan submissions
OLDI						EUROCONTROL Specification for On- Line Data Interchange (OLDI) <b>EUROCONTROL- SPEC-106 Edition 5.0</b>	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
	EUROCONTROL Specification for On- Line Data Interchange (OLDI) <b>EUROCONTROL- SPEC-106 Edition 5.1</b>	EUROCONTROL OLDI Group		Q1/2023	Planned						AF1 AF3 AF6			Moved to standardisation activity Edition number updated Update of current Ed 5.0
Flight object	Flight object exchange <b>ED-133A</b>	EUROCAE	WG-59	Q4/2022	ongoing					STD-033 ATC-STD-01			B1-FICE	
<b>Security</b>														
Standards related to cybersecurity are covered by the European Cybersecurity for Aviation Standards Coordination Group (ECSCG). The C-RDP is available at <a href="http://www.ecscg.eu">www.ecscg.eu</a>														
<b>ATM ground system</b>														
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 <b>ED-240B</b>	EUROCAE	WG-100	Q2/2023	ongoing								B1-RATS	
						Technical requirements for Remote TWR Operations <b>RMT.0624</b>	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
<b>Air/ground data-link services</b>														
ATN B1 & ATS B2	Data Link Services (DLS) System; Community Specification ; Requirements for ground constituents and system testing Revision <b>EN 303 214 (V 1.3.1)</b>	ETSI		2022	ongoing									To be recognised as CS
	EUROCONTROL Specification on Data Link Services <b>EUROCONTROL- SPEC-116 Edition 2.2</b>	EUROCONTROL	OEP 12.1	Q2/2022	Planned									Update associated to ICAO Doc 9880 and Operational Excellence Programme WST 12.1
	Safety and Performance Standard for Baseline 2 ATS Data Communication <b>ED-228B</b>	EUROCAE	WG-78	Q2/2023	ongoing						AF6	AF6 6.1.1 6.1.2		



	Interoperability Standard for Baseline 2 ATS Data Communication Via ATN <b>ED-229B</b>	EUROCAE	WG-78	Q2/2023	ongoing						AF6	6.1.1 6.1.2			
	Interoperability Standard for Baseline 2 ATS Data Communication, FANS 1/A Accommodation <b>ED-230B</b>	EUROCAE	WG-78	Q2/2023	ongoing						AF6	6.1.1 6.1.2			
	Interoperability Standard for Baseline 2 ATS Data Communication, Baseline 1 Accommodation <b>ED-231B</b>	EUROCAE	WG-78	Q2/2023	ongoing						AF6	6.1.1 6.1.2			
						Data Link Services <b>RMT.0524</b>	EASA	Q3/2023	Ongoing						
	ED-xxx ATS Data Communications Verification Test Standard	EUROCAE	WG-78	Q4/2023									Joint activity with RTCA SC 214		
<b>Air/ground communication technical enablers</b>															
ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS <b>ED-262A</b>	EUROCAE	WG-108	Q1/2023	Ongoing										
	Guidance on ATN/IPS end to end interoperability and certification <b>ED-XX</b>	EUROCAE	WG-108	Q1/2023	ongoing								coordinated activities	B0-TBO	
VDL Mode 2	VDL 2 Airborne MOPS <b>ED-92D</b>	EUROCAE	WG-92	Q4/2022	ongoing								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 <b>EN 301 841-1 (V 1.5.1)</b>	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 <b>EN 301 841-3 (V 2.2.1)</b>	ETSI		2021	ongoing						AF6	6.1.1 6.1.2			Delay due to dependency on EN 301 841-1
	ED-xx Signal-In-Space MASPS for Advanced VHF Digital Data Communications	EUROCAE	WG-92	Q1/2023	ongoing								joint with RTCA SC-214		

AeroMacs	Airport Surface Data Link (AeroMACS) Harmonised Standard for access to radio spectrum <b>EN 303 623 (V 1.1.1)</b>	ETSI		Q4/2022	ongoing						STD-018					This technology could be used for ATS air-ground exchange at aerodromes.	
	Minimum Operational Performance Standards (MOPS) for the Aeronautical Mobile Airport Communication <b>ED-223A</b>	EUROCAE	WG-82	Q2/2023	published								joint activity with RTCA SC-222; DO-346A			Published 24 June 2022 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.	
LDACS	L Band Air Ground Communication System	EUROCAE	WG-82	2025	Planned						STD-036	AF6	6.1.1 6.1.2		B3-TBO	Long term activity at EUROCAE	
	MASPS for LDACS	EUROCAE	WG-82	Q4/2024	ongoing												
	MOPS for LDACS	EUROCAE	WG-82	Q4/2024	ongoing												
Satcom	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) <b>ED-242D</b>	EUROCAE	WG-82	Q4/2023	ongoing									coordinated activities (SC222)			
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) <b>ED-243D</b>	EUROCAE	WG-82	Q4/2024	ongoing									coordinated activities (SC222)			
<b>Air/air data-link services</b>																	
Air to air	AIR AIR point to point Data-Link Services	EUROCAE		2025	Planned												Long term activity at EUROCAE
<b>Ground/ground data-link services</b>																	
VoIP	VoIP ATM System Operational and Technical Requirements Volume 2 - SPR <b>ED-136/2A</b>	EUROCAE	WG-67	Q3/2023	On going												
	Network Requirements and Performances for VoIP ATM Systems <b>ED-138A</b>	EUROCAE	WG-67	Q3/2023	ongoing												
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
<b>Drones</b>																	
Standards related to UAS are covered by the European UAS Standards Coordination Group (EUSCG). The EUSCG RDP is available at <a href="http://www.euscg.eu">www.euscg.eu</a>																	
<b>Counter UAS</b>																	
M	System Performance Requirements for non-cooperative UAS detection systems <b>ED-XX</b>	EUROCAE	WG-115	Q2/2023	ongoing												target date change referring to ED-286 "OSED for Counter-UAS in controlled airspace "

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Interoperability Requirements for Counter-UAS systems <b>ED-YY</b>		EUROCAE	WG-115	Q2/2023	ongoing											target date change referring to ED-286 "OSED for Counter-UAS in controlled airspace "
<b>Other domains</b>																
Performances																
Environment																

Domains	Standardisation		Regulation		Master Plan reference	CPs AF	SDM reference Deployment	Link to ICAD
	Standardisation activity	Standardisation organisation	Regulatory activity	Regulatory organisation				
<b>Navigation applications</b>								
Airborne capability	MASPS: Required Navigation Performance for Area Navigation ED-78D Doc 9613 Ed 4	EUROCAE						B0-TBO
Performance Based Operations		ICAO	COMMISSION IMPLEMENTING REGULATION (EU) 2019/1048 of 18 July 2018 laying down airspace usage requirements and operating procedures concerning 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	STD-001			
<b>Navigation technical enablers</b>								
GNSS	Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment ED-299	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 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)	EUROCAE	ETSI			BTNAV-STD-09		
EVS/SVS	MASPS for a Combined Vision Guidance System for Rotorcraft Operations ED-264	EUROCAE						B0-SURF
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems ED-257	EUROCAE				BTNAV-0504		B0-APTA
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems ED-257 Change 1 MASPS for Aircraft state awareness Synthetic Vision System ED-248	EUROCAE						B0-APTA
<b>Airport system</b>								
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	
Runway system	MASPS for Runway Weather Information ED-292	EUROCAE						
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	B3-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 <b>EN 303 213-4-1</b>	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 <b>EN 303 213-4-2</b>	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 <b>EN 303 213-5-1</b> <b>IV.1.1.1</b>	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 <b>EN 303 213-6-1</b> <b>IV.2.1.1</b>	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 2: Reference and vehicle transmitters <b>EN 303 213-5-2</b> <b>IV.1.1.1</b>	ETSI						
TBS	EUROCONTROL Specification for Time-Based Separation support tool for Final Approach (TBS) <b>EUROCONTROL-SPEC-167 Ed1.0</b>	EUROCONTROL				STD-065		
AMAN SWIM services	MASPS covering the Extended horizon AMAN upstream coordination service <b>ED-264</b>	EUROCAE					AF1	1.1.1
<b>En Route ATM functions</b>								
Free route	EUROCONTROL Extended MTCD Specification <b>EUROCONTROL-SPEC-159</b> <b>Edition 2.0</b>	EUROCONTROL				STD-061		
	EUROCONTROL Specification for Airspace Management (ASM) support system requirements supporting the ASM processes at local and FAB level - Part I - Baseline Requirements <b>EUROCONTROL-SPEC-166</b> <b>Edition 1.0</b>	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 <b>EUROCONTROL-SPEC-166</b> <b>Edition 1.0</b>	EUROCONTROL					AF3 AF5	3.1.1 5.3.1
	EUROCONTROL STCA Guidelines <b>EUROCONTROL-GUID-159</b>	EUROCONTROL						
	EUROCONTROL Monitoring Aids (MONA) Specification <b>EUROCONTROL-SPEC-142</b>	EUROCONTROL				STD-062		
	EUROCONTROL Trajectory Prediction Specification <b>EUROCONTROL-SPEC-142</b>	EUROCONTROL				STD-063		
	EUROCONTROL Area Proximity Warning (APW) Guidelines <b>EUROCONTROL-GUID-161</b>	EUROCONTROL				STD-064		
	EUROCONTROL MSAW Guidelines <b>EUROCONTROL-GUID-161</b>	EUROCONTROL						
	EUROCONTROL APM Guidelines <b>EUROCONTROL-GUID-162</b>	EUROCONTROL						
	EUROCONTROL Guidelines for Supporting the Implementation of Commission Regulation (EU) 732010 (ADQ) <b>EUROCONTROL-GUID-161</b>	EUROCONTROL					AF5	5.3.1
<b>Surveillance applications</b>								
ACAS	MOPS for TCAS II hybrid surveillance <b>ED-214</b>	EUROCAE						B2-ACAS
	MOPS for ACAS Xa with ACAS Xa functionality <b>ED-266</b>	EUROCAE						B2-ACAS
	MOPS for ACAS X <b>ED-266</b> <b>Change 1</b>	EUROCAE				ASAS-STD-01		B0-ASUR
	Minimum Aviation System Performance Standards (MASPS) for the Interoperability of Airborne Collision Avoidance Systems (CAS) <b>ED-264</b>	EUROCAE						B1-ACAS
Ground applications				Revision of SPI (Surveillance Performance and Interoperability) <b>RMT 0679</b> <b>EC Implementing Regulation (EU) 2020/587 of 28/04/2020</b>	EC			
Airborne applications	SPR & INTEROP ASPA-FIM <b>ED-185A</b>	EUROCAE				ASAS-STD-01		B0-ASUR
	MOPS FIM <b>ED-234</b>	EUROCAE				ASAS-STD-01		B0-ASUR
	MOPS for FIM <b>ED-234A</b>	EUROCAE				ASAS-STD-01		B0-ASUR
	Minimum Operational Performance Standards (MOPS) for FIM <b>ED-234A</b> <b>Change 1</b>	EUROCAE				ASAS-STD-01		B0-ASUR
	MOPS for Aircraft Surveillance Applications (ASA) System <b>ED-194B</b>	EUROCAE						
	MOPS for 1090 MHz Extended Squitter ADS-B and TIS-B <b>ED-102B</b>	EUROCAE						
<b>Surveillance technical enablers</b>								
Mode S	EUROCONTROL Specification for European Modes S Station (EMS) <b>EUROCONTROL-SPEC-189</b> <b>Edition 4.0</b>	EUROCONTROL						
	EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) <b>EUROCONTROL-SPEC-153</b> <b>Edition 2.0</b>	EUROCONTROL						
Mode S transponder	MOPS Mode S transponder <b>ED-73F</b>	EUROCAE						

ADS ground station	ADS-B ground station 1090MHz ED-1298	EUROCAE			STD-027			B0-ASUR
	ADS-B ground station 1090MHz ED-1298	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 2.3	EUROCONTROL						
	STANAG 5535 Edition 1 Air Surveillance and Ground Based sensors information exchange AdATP-35	EDA						
	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-149 Edition 3.1	EUROCONTROL						
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 IV.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 5 300 MHz to 5 500 MHz. EN 303 347-3 IV.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 IV.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 IV.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 IV.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 IV.1.1.1	ETSI						
ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 Edi. 1	EUROCONTROL						
	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 Edition 1.2	EUROCONTROL						
<b>Network services</b>								
ADEXP	CS ADEXP EUROCONTROL-SPEC-0107 Edition 3.1	EUROCONTROL				AF1 AF3 AF4 AF5	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	
	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	
<b>SWIM</b>								
SWIM Common Components	EUROCONTROL Specification for SWIM Service Description EUROCONTROL-SPEC-168 Edition 2.0	EUROCONTROL				AF5 AF5 AF5 AF5 AF5	5.2.1 5.3.1 5.4.1 5.5.1 5.6.1	
SWIM	AIRM Model	EUROCONTROL			SWIM-STD-01	AF5	5.3.1 5.4.1 5.5.1 5.6.1	Available on <a href="http://airm.aero/">http://airm.aero/</a>
	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 6.1.1	

	Supporting material for SWIM foundational specifications	EUROCONTROL				AF5	5.3.1 5.4.1 5.5.1 5.6.1		
<b>AIS services</b>									
Aeronautical information exchange	<b>ADM</b> Edition 5.1.1	EUROCONTROL				AF2 AF3 AF5	2.2.1 3.1.1 5.3.1		
	Exchange of Flight Information Publication (FLIP) Data <b>STANAG 7005</b> Edition 3	EDA							
	EUROCONTROL Specification for Data Assurance Levels <b>EUROCONTROL-SPEC-148</b> Ed1.1	EUROCONTROL							
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) <b>EUROCONTROL-SPEC-146</b> Ed2.1	EUROCONTROL				AF5	5.3.1		
	EUROCONTROL Terrain and Obstacle Data Manual (TOD) <b>EUROCONTROL-GUID-158</b> Edition 2.2	EUROCONTROL							
	EUROCONTROL Terrain and Obstacle Data Manual (TOD) <b>EUROCONTROL-GUID-158</b> Edition 3.0	EUROCONTROL							
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) <b>EUROCONTROL-SPEC-146</b> Edition 3.0	EUROCONTROL				AF5	5.3.1		
Data-base	EUROCONTROL Specification for the Origination of Aeronautical Data (DO) <b>EUROCONTROL-SPEC-154</b> Edition 2.0	EUROCONTROL				AF5	5.3.1		
	Standard for processing aeronautical data <b>ED-76A</b>	EUROCAE				AF5	5.3.1	B0-DAIM	
	TS User Requirements for terrain & obstacle data <b>ED-48C</b>	EUROCAE						B0-DAIM	
	TS User Requirements for Mapping information <b>ED-49D</b>	EUROCAE				AF5	5.3.1	B0-DAIM	
	TS User Requirements for navigation data <b>ED-77A</b>	EUROCAE						B1-DAIM	
	Terrain, obstacles and aerodrome maps AIS Data Exchange Standard <b>ED-119C</b>	EUROCAE			AIMS-STD-01 STD-032	AF5	5.3.1	B0-DAIM	
<b>MET Systems and Services</b>									
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 <b>EN 303 347-1</b> IV.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 <b>EN 303 347-3</b> IV.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 <b>EN 303 347-2</b> IV.1.1.1	ETSI							
		ICAO				AF5	5.4.1		
<b>Flight data exchanges</b>									
FIXM	FIXM v1	EUROCONTROL	CS (2019/C 311/06) OLDI <b>EUROCONTROL-SPEC-0106</b> Ed4.3	EUROCONTROL		AF5	5.6.1		
			CS (2019/C 311/06) OLDI <b>EUROCONTROL-SPEC-0106</b> Ed5.0	EUROCONTROL		AF1 AF3 AF5 AF6	1.1.1 3.2.1 3.2.2 6.1.2		
Flight object	Flight object exchange <b>ED-433</b>	EUROCAE				AF1 AF3 AF6	1.1.1 3.2.1 3.2.2 6.1.2		
IFPL	EUROCONTROL Specification for the Initial Flight Plan (IFPL) <b>EUROCONTROL-SPEC-0101</b> Edition 2.0	EUROCONTROL	Community Specification: EUROCONTROL Specification for the Initial Flight Plan (IFPL) <b>EUROCONTROL-SPEC-0101</b> Edition 1.3	EUROCONTROL		AF4	4.3.1		
				EUROCONTROL		AF4	4.3.1		
<b>Security</b>									
Standards related to cybersecurity are covered by the European Cybersecurity for Aviation Standards Coordination Group (EC-SCG). The C-RDP is available at <a href="http://www.ecscg.eu">www.ecscg.eu</a>									
<b>ATM ground system</b>									
Remote tower	MASPS for Remote Tower optical systems <b>ED-246</b>	EUROCAE						B1-RATS	
	MASPS for Remote Tower optical systems <b>ED-246A</b>	EUROCAE						B1-RATS	
	MASPS for Remote Tower optical systems <b>ED-246A Change 1</b>	EUROCAE							
<b>Airground data-link services</b>									
ATN B1	ATN B1 MASPS <b>ED-126</b>	EUROCAE	COMMISSION IMPLEMENTING REGULATION (EU) 2020/208 of 14 February 2020	EC					
	ATN B1 MASPS <b>ED-126 Change 3</b>	EUROCAE							
ATN B2	ATN B2 standards <b>ED-228A</b>	EUROCAE	Data Link Services (DLS) System; Community Specification - Requirements for ground constituents and system testing <b>EN 303 214</b> IV.1.2.1	ETSI				SDM references removed	
	ATN B2 standards <b>ED-228A</b>	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TBO	
	ATN B2 standards <b>ED-230A</b>	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TBO	
	ATN B2 standards <b>ED-231A</b>	EUROCAE			STD-004	AF6	6.1.1 6.1.2	B0-TBO	
<b>Airground communication technical enablers</b>									

ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS	EUROCAE						
M	VDL Mode 2 VDL 2 Airborne MOPS ED-42B	EUROCAE						B0-TBO
	VDL 2 Airborne MOPS ED-42C	EUROCAE						B0-TBO
	Guidance on Air to Ground VDL Mode 2 Interoperability ED-276	EUROCAE						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		
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 1.4.1)	ETSI						SDM references removed
	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						SDM references removed
M	VHF air-ground Digital Link (VDL) Mode 2: Technical characteristics and methods of measurement for ground-based equipment, Part 2: Upper Layers EN 301 841-2 (V 1.1.1)	ETSI						SDM references removed
	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						SDM references removed
AeroMac	SARPS on AeroMac	ICAO						
	MOPS airborne component ED-221	EUROCAE						
Satcom	MASPS AeroMac ED-227	EUROCAE						
	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242	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			AF6	6.1.1		B2-TBO
	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-243C	EUROCAE						
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243D	EUROCAE						
	VDL Mode 4	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 (V 2.3.1)	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 1.3.2)	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; Harmonized Standard for Electro-Magnetic Compatibility EN 301 489-22 (V 2.1.1)	ETSI						
<b>Ground/ground data-link services</b>								



AMHS			CS Revision of EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) <b>EUROCONTROL-SPEC-138</b> Edition 1.2	EUROCONTROL					
VoIP	Voice over IP Ground/Ground Communication <b>ED-137-IC Vol 1 (Radio)</b>	EUROCAE							
	Voice over IP Ground/Ground Communication <b>ED-137-IC Vol 2 (Telephone)</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 1 To Volume 2: MFC R2 and ATS/QSIG Telephone Interworking <b>ED-137 Volume 2 Addendum 1</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 2 To Volume 2: FAA Legacy Telephone Interworking <b>ED-137 Volume2 Addendum 2</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 3 To Volume 2: Instantaneous Access Call <b>ED-137 Volume2 Addendum 3</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 4 To Volume 2: Override Call <b>ED-137 Volume2 Addendum 4</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 5 To Volume 2: Voice Call <b>ED-137 Volume2 Addendum 5</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 6 To Volume 2: Extended Call Forward <b>ED-137 Volume2 Addendum 6</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 7 To Volume 2: Extended Position Monitor <b>ED-137 Volume2 Addendum 7</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 8 To Volume 2: Radio Intercom Call <b>ED-137 Volume2 Addendum 8</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 9 To Volume 2: Hotline Access Call <b>ED-137 Volume2 Addendum 9</b>	EUROCAE							
	Interoperability Standard for VOIP ATM Components – Addendum 10 To Volume 2: Call/Answer Access Call <b>ED-137 Volume2 Addendum 10</b>	EUROCAE							
	Voice over IP Ground/Ground Communication European Legacy Telephone Interworking <b>ED-137-IC Vol 3</b>	EUROCAE							
	Voice over IP Ground/Ground Communication Recording <b>ED-137-IC Vol 4</b>	EUROCAE							
	Voice over IP Ground/Ground Communication Supervision <b>ED-137-IC</b>	EUROCAE							
<b>Drones</b>									
Standards related to UAS are covered by the European UAS Standards Coordination Group (EUSCG). The U-RDP is available at <a href="http://www.euscg.eu">www.euscg.eu</a>									
ACAS for drones	MOPS for ACAS-Xu <b>ED-276</b>	EUROCAE							B3-ACAS
<b>Other domains</b>									
Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring - Airport Operator Dataflow <b>EUROCONTROL-SPEC-175</b> Edition 1.0	EUROCONTROL							
	EUROCONTROL Specification for Operational ANS Performance Monitoring - Air Transport Operator Dataflow <b>EUROCONTROL-SPEC-180</b> Edition 1.0	EUROCONTROL							
Environment	EUROCONTROL Specification for Collaborative Environmental Management <b>EUROCONTROL-SPEC-186</b> Edition 1.1	EUROCONTROL							
	EUROCONTROL Specification for Collaborative Environmental Management (CEM) <b>EUROCONTROL-SPEC-186</b> Edition 1.2	EUROCONTROL							