



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							Status
1		<b>Navigation applications</b>														
	Enhanced Terminal Airspace using RNP-Based Operations	DOC 9613 Ed 5	ICAO	PBN Study Group	end 2020	Ongoing						AF1	1.2.1 1.2.2 1.2.3 1.2.4 1.2.5			
							EASA regulatory material on PBN incorporating Doc 9613 <b>EASA RMT 0519</b>	EASA	2019	Ongoing		AF1	1.2.4 1.2.5			
1		<b>Navigation technical enablers</b>														
	GNSS	SARPS GPS L5	ICAO	NSP	2022	Ongoing										
		SARPS Galileo	ICAO	NSP	2022	Ongoing										
		SARPS DFMC SBAS	ICAO	NSP	2022	Ongoing										
		SARPS DFMC HRAIM	ICAO	NSP	2022	Ongoing										
		SARPS DFMC GBAS	ICAO	NSP	tbd	Ongoing										
		Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite- Based Augmentation System Airborne Equipment <b>ED-259 A</b>	EUROCAE	WG-62	Q4/2020	ongoing					STD-023			Joint document	B2-APTA	delay - alignment with RTCA SC-159
							Implementation of the regulatory needs of the SESAR common projects <b>RMT.0682</b>	EASA	TBC	Planned						
	GBAS CAT III	SARPS DFMC GBAS	ICAO	NSP	2021	Ongoing										

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	GBAS Cat II/III multiconstellation/ multifrequency / System level, Ground station, airborne equipment <b>ED-XXX</b>	EUROCAE	WG-28	2020	Planned					STD-026				B2-APTA	
	GBAS Cat II/III L1 <b>ED-114B</b>	EUROCAE	WG-28	Q3/2019	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	Q2/2020	Ongoing										
	MASPS for RNP reversion using DME/DME positioning <b>ED-XXX</b>	EUROCAE	WG-107	Q2/2020	Ongoing										
EVIS/SVS	MASPS for SVS SVGS CVS <b>ED-XX</b>	EUROCAE	WG-79	Q3/2020	On going								Joint activities with SC-213	B0-APTA	
	MASPS for EVS CVS EFVS <b>ED-XX</b>	EUROCAE	WG-79	Q3/2020	On going								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	Q3/2020	On going									B0-APTA	
<b>Airport system</b>															
1	DMAN & A-CDM					Implementation of the regulatory needs of the SESAR common projects RMT.0682	EASA	TBC	TBD						
	MASPS for Airport CDM Systems <b>ED-141A</b>	EUROCAE	WG-111	Q4/2020	On going										
	Airport CDM Interface Specification <b>ED-145A</b>	EUROCAE	WG-111	Q4/2020	On going										
	Guidelines for Test and Validation Related to Airport CDM Interoperability <b>ED-146A</b>	EUROCAE	WG-111	Q4/2020	On going										
	Airport CDM SWIM Service Performance Specification <b>ED-XX</b>	EUROCAE	WG-111	Q4/2021	On going										

						Airport Collaborative Decision Making (A-CDM); Community Specification	ETSI	TBD	Planned		AF2	2.1.1 2.1.3 2.1.4			Dependent upon EUROCAE A-CDM activity	
Runway system	MASPS for Runway Weather Information <b>ED-XX</b>	EUROCAE	WG-109	2020	On going											
A-SMGCS																
	EUROCONTROL Specification for Surface Advanced-Surface Movement Guidance and Control System (A-SMGCS) <b>EUROCONTROL-SPEC-171 Edition 1.1</b>	EUROCONTROL		Q2/2020	Ongoing						AF2	2.2.1 2.4.1 2.5.1				Family update
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) <b>ED-87E</b>	EUROCAE	WG-41	Q4/2021	Ongoing					ASMGCS-STD-01	AF2	2.4.1 2.5.1 2.5.2		B2-SURF		Delay due to SESAR dependencies
	Interop Document on Surveillance, Routing, Safety Support <b>ED-XXX</b>	EUROCAE	WG-41	Q2/2021	Ongoing					ASMGCS-STD-01	AF2	2.2.1 2.4.1		B2-SURF		Activity split - see following line
	Interop Document on Guidance Service data exchange	EUROCAE	WG-42	Q2/2022	Ongoing					ASMGCS-STD-01	AF2	2.2.1 2.4.1		B2-SURF		Activity split - see line above
	Guidelines for Surveillance Data Fusion for A-SMGCS Levels 1&2 <b>ED-128A</b>	EUROCAE	WG-41	Q3/2021	On hold					ASMGCS-STD-01	AF2	2.2.1		B0-SURF		Family update & activity on hold
						CS on ASMGCS Part 1: surveillance service including external interfaces <b>EN 303 213-1 (V 2.1.1)</b>	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS Part 2: airport safety support service <b>EN 303 213-2 (V 2.1.1)</b>	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS Part 3: deployed cooperative sensor including its interfaces <b>EN 303 213-3 (V 2.1.1)</b>	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS to comply with ED-87D <b>EN 303 213-7 (V 1.1.1)</b>	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS Part 8: A-SMGCS routing service <b>EN 303 213-8 (V 1.1.1)</b>	ETSI	2021	On going		AF2	2.4.1 2.5.1 2.5.2				

	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 (V 1.1.1)</b>	ETSI		2020	ongoing						AF2	2.2.1		Delay due to EC assessment as well as new comments from test labs
	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 (V 1.1.1)</b>	ETSI		2020	ongoing						AF2	2.2.1		Delay due to EC assessment as well as new comments from test labs
1	<b>Queue management &amp; approach sequencing</b>													
M	TBS for final approach	EUROCONTROL EUROCONTROL <b>EUROCONTROL-GUID-XXX Edition 1.0</b>		Q4/2020	On going					STD-065	AF2	2.3.1		Delay
						TBD	EASA	TBD	Not planned					RMT.0682 - Implement the regulatory needs of the SESAR Common Projects: will be activated depending on the needs and after the review of the SESAR deliverables (today with particular priorities in PCP) will conclude the need to do so. No decision regarding this activity
1	<b>En Route ATM functions</b>													
	Free route					CS on free route	CEN	2018	Not planned					

M	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 Edition 1.0</b>	EUROCONTROL			Published						AF3	3.1.1 3.1.2 3.1.3		Published	
						TBD	EASA	TBD	Not planned					RMT.0682 - Implement the regulatory needs of the SESAR Common Projects: will be activate depending on the needs and after the review of the SESAR deliverables (today with particular priorities in PCP) will conclude the need to do so.	
1	<b>Surveillance applications</b>														
	ACAS	MASPS for the Interoperability of Airborne Collision Avoidance Systems <b>ED-XX</b>	EUROCAE	WG-75	Q3/2019	Ongoing							SC-147	B1-ACAS	
		MASPS on AFGS/ACAS coupling <b>ED-224A</b>	EUROCAE	WG-75	2018	Ongoing							SC-147	B1-ACAS	
	Ground applications	Generic SPR for surveillance service <b>ED-261 Vol 1</b>	EUROCAE	WG-102	Q2/2020	Ongoing					STD-027			B1-ASUR	
		Generic SPR for surveillance service <b>ED-261 Vol 2</b>	EUROCAE	WG-102	Q2/2020	Ongoing									
		Generic SPR for surveillance service <b>ED-261 Vol 3</b>	EUROCAE	WG-102	Q2/2020	Ongoing									
							Revision of SPI (Surveillance Performance and Interoperability) <b>RMT 0679</b>	EC	2019	Ongoing					EASA activity completed SPI revision under EC responsibility
	Airborne applications	Minimum Operational Performance Standards (MOPS) for FIM <b>ED-236A</b>	EUROCAE	WG-51	Q2/2020	Ongoing							Joint activity with RTCA SC-186	B0-ASUR	
		Minimum Operational Performance Standards (MOPS) for FIM <b>ED-236A change 1</b>	EUROCAE	WG-51	Q3/2020	Ongoing									New item providing Appendix G with the Test Vectors required for validation of the requirements
		MOPS for 1090 MHz Extended Squitter ADS-B and TIS-B <b>ED-102B</b>	EUROCAE	WG-51	Q1/2021	Ongoing							Joint activity with RTCA SC-186		Delay
A															
M															

		Minimum Operational Performance Standards (MOPS) for Aircraft Surveillance	EUROCAE	WG-51	Q4/2020	Ongoing								Joint activity with RTCA SC-186	
1	<b>Surveillance technical enablers</b>														
D	ADS ground station	ADS-B ground station 1090MHz <b>ED-129C</b>	EUROCAE	WG-51	Q2/2021	On going									Line duplicated with the following
M		Technical Specification for an ADS-B Ground System <b>ED-129C</b>	EUROCAE	WG-51	Q2/2021	On going									Delay & Title change Replace the line above
	Mode S	EUROCONTROL Specification for European Modes S Station (EMS) <b>EUROCONTROL-SPEC-XXX Edition 4.0</b>	EUROCONTROL		Q2/2020	On going									
M		EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) <b>EUROCONTROL-SPEC-153 Edition 1.1</b>	EUROCONTROL		Q3/2020	Planned									Delay
	Mode S transponder	MOPS Mode S transponder <b>ED-73F</b>	EUROCAE	WG-49	Q1/2021	Ongoing								joint activity with RTCA SC-209	B0-ASUR
		MOPS Mode S GA transponder <b>ED-115A</b>	EUROCAE	WG-49	Q2/2022	Ongoing									B0-ASUR
M	WAM/ADS-B composite	TS for WAM Ground System with Composite Surveillance	EUROCAE	WG-51	Q1/2020	Ongoing									B1-ASUR Title change
		Wide Area Multilateration (WAM) systems Harmonised Standard for access to radio spectrum <b>EN 303 489 (V 1.1.1)</b>	ETSI		2020	Ongoing									
	MSPSR	TS for INCS system	EUROCAE	WG-103	Q3/2019	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		2020	ongoing									

PSR in L Band	Primary Surveillance Radar (PSR); Part 1: Harmonized Standard for access to radi spectrum for Air Traffic Control (ATC) Primary Surveillance Radar sensors operating in 1215-1400 MHz frequency band (L band) <b>EN 303 364-1 (V 1.1.1)</b>	ETSI		2020	ongoing									
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) <b>EN 303 364-2 (V 1.1.1)</b>	ETSI		2020	ongoing									
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) <b>EN 303 364-3 (V 1.1.1)</b>	ETSI		2019	ongoing									
	ElectroMagnetic 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		2020	ongoing									

	ASTERIX	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) <b>EUROCONTROL-SPEC-149 Edition 2.5</b>	EUROCONTROL		Q2/2020	Ongoing											
	ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) <b>EUROCONTROL-SPEC-147 (Edition 2.0)</b>	EUROCONTROL		Q1/2020	Ongoing											Strong link and dependency with the activity of EUROCAE WG-102 Title change
1	<b>Network services</b>																
	ADEXP						TBD	EASA	TBC	Not planned							RMT.0682 - Implement the regulatory needs of the SESAR Common Projects > will be activated depending on the needs and after the review of the SESAR deliverables (today with particular priorities in PCP) will conclude the need to do so. Activity not yet planned
A							EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 <b>Edition 3.3</b>	EUROCONTROL	Q2 2020	On going							New item
1	<b>SWIM</b>																
	SWIM	Supporting material for SWIM foundational specifications	EUROCONTROL		Q3/2020	On going						AF5	5.1.3 5.1.4 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2				SDM Families updated
M		SWIM Technical Infrastructure - Blue Profile	EUROCONTROL		TBD	Not Planned					SWIM-STD-04	AF5	5.1.2 5.1.3 5.1.4 5.2.1 5.2.2 5.2.3 5.6.2				Dependent upon ED-133 update
		Technical Standard on SWIM Information Service Specification Template and Methodology <b>ED-XX</b>	EUROCAE	WG-104	Q4/2020	Ongoing											



	SARPS on Information Management (PANS IM)	ICAO	IMP		Ongoing											Applicability 2022	
1	<b>AIS services</b>																
	Aeronautical information exchange	EUROCONTROL	EUROCONTROL		Q2/2020	Planned											
		EUROCONTROL	EUROCONTROL		Q2/2020	Planned											
M		EUROCONTROL	EUROCONTROL		Q1/2021	Ongoing											Delay
		EUROCONTROL	EUROCONTROL		Q1/2021	Planned											
		EUROCONTROL	EUROCONTROL		Q4/2020	Ongoing											Delay
M		EUROCONTROL	EUROCONTROL		Q4/2020	Ongoing											Delay
		EUROCONTROL	EUROCONTROL		Q4/2020	Ongoing											
		EUROCONTROL	EUROCONTROL		Q4/2020	Ongoing											Delay
M		EUROCONTROL	EUROCONTROL		Q4/2020	Ongoing											Delay
	AIXM Edition 5.2	EUROCONTROL	EUROCONTROL		Q3/2020	On going							AF2	2.1.3			Delay
													AF3	2.1.4			
													AF5	3.1.1			
														3.1.2			
														3.1.3			
														5.3.1			
		EUROCONTROL	EUROCONTROL		TBD	Planned											
		EUROCONTROL	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										
						Community specification on AMDB	CEN	2019	Not Planned						
	SARPS on AIRM	ICAO	IMP	2018	Ongoing						AF5	5.1.3 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2			
Data-link services	MASPS AIS Datalink Applications ED-XXX	EUROCAE	WG-76	2018	Ongoing								coordinated activities	B2-DAIM	
<b>Meteo system &amp; services</b>															
SWIM	MET SWIM Service	EUROCAE	TBD	2020	Planned						AF5	5.4.1		B2-AMET	
Data-link services	MASPS MET Datalink Applications ED-XXX	EUROCAE	WG-76	2018	Ongoing					AGDLS-STD- 08			coordinated activities	B2-AMET	
Meteorological Infrastructure	MET sensors	EUROCAE	TBD	2020	Planned									B2-AMET	
Radar enabler	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		2019	Ongoing										
	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		2019	Ongoing										

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	teorological 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 (V 1.1.1)</b>	ETSI		2019	Ongoing										
1	<b>Flight data exchanges</b>														
	IFPL					EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL-SPEC-0101	EUROCONTROL	Q3/2020	Ongoing						new item
A	ADEXP	EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL	EUROCONTROL		Q2/2020	Ongoing									new item
A	Oldi					EUROCONTROL Specification for On-Line Data Interchange (OLDI) EUROCONTROL-SPEC-106 Edition 5.0	EUROCONTROL	Q2/2020	Ongoing						Editorial change
M	Flight object	Flight object exchange <b>ED-133A</b>	EUROCAE	WG-59	Q2/2021	Ongoing					STD-033 ATC-STD-01	AF5 AF6	5.6.2 6.1.2		B1-FICE
						Community specification on FDP IOP	CEN		Not planned			AF5	5.6.1 5.6.2		
1	<b>Security</b>														
	Revision of ATM information security <b>EN 16495</b>	CEN		2019	On going						SWIM-STD-03	AF5	5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.2 5.2.3 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2		
	AISS	Aeronautical Information System Security (AISS) Framework Guidance <b>ED-201A</b>	EUROCAE	WG-72	Q4/2020	Ongoing					STD-056 STD-055	AF 5	5.1.4 5.2.3	Joint activity SC-216	
		Aeronautical Information System Security (AISS) Framework Guidance <b>ED-204A</b>	EUROCAE	WG-72	Q4/2020	Ongoing						AF 5	5.1.4 5.2.3	Joint activity SC-216	
		Guidance on Security Event Management <b>ED-XX</b>	EUROCAE	WG-72	Q4/2020	Ongoing								Joint activity SC-216	
1	<b>ATM ground system</b>														

Architecture	Technical System Architecture Interfaces	EUROCAE	TBD	2020	Planned										
Remote tower	MASPS for Remote Tower optical systems <b>ED-240B</b>	EUROCAE	WG-100	2020	Ongoing									B1-RATS	
						Technical requirements for Remote TWR Operations <b>RMT.0624</b>	EASA	2019	Ongoing						
Interface	CWP / FDP Interface	EUROCAE	TBD	2020	Planned										
<b>Air/ground data-link services</b>															
1	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	2020	Ongoing		AF6	6.1.1			Alignment with the new EASA requirements
						Draft Opinion in accordance with Article 15 (Direct publication) of MB Decision No 18-2015 Amendment of Commission Regulation (EC) No 29/2009 of 16 January 2009 laying down requirements on data link services for the single European sky: Update of references — data link services <b>RMT.0524</b>	EASA	Q4/2019	Ongoing					To be approved by EC	
						Data Link Services <b>RMT.0524</b>	EASA	2020	Ongoing		AF6	6.1.1 6.1.4			
<b>Air/ground communication technical enablers</b>															
1	ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS <b>ED-262A</b>	EUROCAE	WG-108	Q3/2021	Ongoing									
		Guidance on ATN/IPS end to end interoperability and certification <b>ED-XX</b>	EUROCAE	WG-108	Q2/2021	Ongoing							coordinated activities	B0-TBO	
	VDL Mode 2	VDL 2 Airborne MOPS <b>ED-92D</b>	EUROCAE	WG-92		On going							Joint activity with RTCA SC 214	B0-TBO	Activity put on hold
	Companion document (Ground VDL Mode 2 systems expected behavior) <b>ED-XX</b>	EUROCAE	WG-92	Q4/2019	Ongoing					AF6	6.1.3 6.1.4 6.1.5		B0-TBO	Family update	

	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		2020	Ongoing					AF6	6.1.3			Depending upon the result of Study item on VHF Data Link Mode 2 ground-based equipment standardization optimisation; Evolution of Data Link European Norms TR 103 553
	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		2020	Ongoing					AF6	6.1.3			Depending upon the result of Study item on VHF Data Link Mode 2 ground-based equipment standardization optimisation; Evolution of Data Link European Norms TR 103 553
AeroMacs	Airport Surface Data Link (AeroMACS) Harmonised Standard for access to radio spectrum <b>EN 303 623 (V 1.1.1)</b>	ETSI		2021	Ongoing				STD-018					
LDACS	L Band Air Ground Communication System	EUROCAE	WG-82	2025	Planned				STD-036				B3-TBO	Long terms activity at EUROCAE
SATCOM	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) <b>ED-242B</b>	EUROCAE	WG-82	2020	Planned							coordinated activities (SC222)	B2-TBO	
	Revision of MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) <b>ED-242C</b>	EUROCAE	WG-82	2021	Planned							coordinated activities (SC222)	B2-TBO	
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) <b>ED-243B</b>	EUROCAE	WG-82	2020	Planned				STD-020			coordinated activities (SC222)	B3-TBO	

	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) <b>ED-243C</b>	EUROCAE	WG-82	2021	Planned								coordinated activities (SC222)	B3-TBO	
	VHF/UHF	Part 22: Specific conditions for ground based VHF aeronautical mobile and fixed radio equipment; Harmonised Standard for ElectroMagnetic Compatibility <b>EN 301 489-22 (V 2.1.1)</b>	ETSI		2020	Ongoing									Will cover UHF/VHF voice, VDL Mode 4 and VDL Mode 2 awaiting publication and OJ listing of part EN 301 489-1
1	<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
1	<b>Ground/ground data-link services</b>														
1	<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>														
	ACAS for drones	MOPS for ACAS-Xu ED-XX	EUROCAE	WG-75	2020	Planned								B3-ACAS	
1	<b>Other domains</b>														
	Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring - Air Transport Operator Dataflow <b>EUROCONTROL-SPEC-xxx Edition 1.0</b>	EUROCONTROL		Q4/2019	Ongoing									

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				
<b>Navigation applications</b>								
Airborne capability	MASPS: Required Navigation Performance for Area Navigation <b>ED-75D</b>	EUROCAE				AF1 AF6	1.2.4 6.1.2 6.1.5	B0-TBO
Enhanced Terminal Airspace using RNP-Based Operations	<b>Doc 9613 Ed 4</b>	ICAO			STD-001	AF1	1.2.1 1.2.2 1.2.3 1.2.4 1.2.5	
			<b>COMMISSION IMPLEMENTING REGULATION (EU) 2018/1048</b> of 18 July 2018 laying down airspace usage requirements and operating procedures concerning performance-based navigation	EC		AF1	1.2.1 1.2.3 1.2.4 1.2.5	
<b>Navigation technical enablers</b>								
GNSS	Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment <b>ED-259</b>	EUROCAE			STD-023			B2-APTA
GBAS CAT I	GBAS Cat 1 <b>ED-114A</b>	EUROCAE						B0-APTA
	<b>ED-114A Change 1</b>	EUROCAE						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 <b>EN 303 084 (V2.1.1)</b>	ETSI						
EVS/SVS	MASPS for a Combined Vision Guidance System for Rotorcraft Operations <b>ED-255</b>	EUROCAE						B0-SURF
	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems <b>ED-257</b>	EUROCAE			BTNAV-0504			B0-APTA
	MASPS) for Aircraft state awareness Synthetic Vision System <b>ED-249</b>	EUROCAE						B0-APTA
<b>Airport system</b>								
DMAN & A-CDM			Airport Collaborative Decision Making (A-CDM); Community Specification <b>EN 303 212 (V 1.1.1)</b>	ETSI		AF2	2.1.1 2.1.3 2.1.4	
A-SMGCS	EUROCONTROL Specification for Surface Advanced-Surface Movement Guidance and Control System (A-SMGCS) <b>EUROCONTROL-SPEC-171 Edition 1.0</b>	EUROCONTROL			STD-060	AF2	2.2.1 2.4.1 2.5.1	
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) <b>ED-87C</b>	EUROCAE			STD-010	AF2	2.2.1	B2-SURF



		A-SMGCS CS to comply with ED 87C as a prerequisite for the PCP <b>EN 303 213-1 (V 1.4.1)</b>	ETSI		AF2	2.2.1 2.4.1 2.5.1	
		A-SMGCS CS to comply with ED 87C as a prerequisite for the PCP <b>EN 303 213-2 (V 1.4.1)</b>	ETSI		AF2	2.2.1 2.4.1 2.5.1	
MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) <b>ED-87D</b>	EUROCAE				AF2	2.4.1 2.5.1 2.5.2	B2-SURF
MOPS for MLAT <b>ED-117A</b>	EUROCAE				AF2	2.2.1	B2-SURF
		Implementation of SESAR Runway safety solutions <b>MST.029</b>	EASA				
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 (V 2.1.1)</b>	ETSI				AF2	2.2.1	
		A-SMGCS; Part 3: Community Specification for a deployed cooperative sensor including its interfaces <b>EN 303 213-3 (V 1.1.1)</b>	ETSI		AF2	2.2.1	

			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> <b>(V 1.1.1)</b>	ETSI		AF2	2.2.1	
			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> <b>(V 1.1.1)</b>	ETSI		AF2	2.2.1	
<b>Queue management &amp; approach sequencing</b>								
TBS	EUROCONTROL Specification for Time-Based Separation support tool for Final Approach (TBS) <b>EUROCONTROL-SPEC-167</b> <b>Ed1.0</b> <b>Edition 1.0</b>	EUROCONTROL			STD-065	AF2	2.3.1	
AMAN SWIM services	MASPS covering the Extended horizon AMAN upstream coordination service <b>ED-254</b>	EUROCAE				AF1	1.1.2	B1-RSEQ
<b>En Route ATM functions</b>								
Free route	EUROCONTROL Extended MTCD Specification <b>EUROCONTROL-SPEC-139</b> <b>Edition 2.0</b>	EUROCONTROL			STD-061	AF3	3.2.1	

M	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 Edition 1.0</b>	EUROCONTROL						
	EUROCONTROL STCA Guidelines <b>EUROCONTROL-GUID-159</b>	EUROCONTROL				AF3	3.2.1	
	EUROCONTROL Monitoring Aids (MONA) Specification <b>EUROCONTROL-SPEC-142</b>	EUROCONTROL			STD-062	AF3	3.2.1	
	EUROCONTROL Trajectory Prediction Specification <b>EUROCONTROL-SPEC-143</b>	EUROCONTROL			STD-063	AF3	3.1.1 3.1.2 3.1.3 3.2.1	
	EUROCONTROL Area Proximity Warning (APW) Guidelines <b>EUROCONTROL-GUID-161</b>	EUROCONTROL			STD-064	AF3	3.2.1	
	EUROCONTROL MSAW Guidelines <b>EUROCONTROL-GUID-160</b>	EUROCONTROL				AF3	3.2.1	
	EUROCONTROL APM Guidelines <b>EUROCONTROL-GUID-162</b>	EUROCONTROL						
	EUROCONTROL Guidelines for Supporting the Implementation of Commission Regulation (EU) 73/2010 (ADQ) <b>EUROCONTROL-GUID-163</b>	EUROCONTROL				AF1 AF5	1.2.2 5.3.1	
<b>Surveillance applications</b>								
ACAS	MOPS for TCAS II hybrid surveillance <b>ED-221A</b>	EUROCAE						B1-ACAS
	MOPS for ACAS Xa with ACAS Xo functionality <b>ED-256</b>	EUROCAE						B2-ACAS

	MOPS for ACAS X <b>Change 1 to ED-256</b>	EUROCAE						B2-ACAS
Airborne applications	SPR & INTEROP ASPA-FIM <b>ED-195A</b>				ASAS-STD-01			B0-ASUR
	MOPS FIM <b>ED-236</b>	EUROCAE			ASAS-STD-01			B0-ASUR
<b>Surveillance technical enablers</b>								
ADS ground station	ADS-B ground station 1090MHz <b>ED-129A</b>	EUROCAE			STD-027			B0-ASUR
	ADS-B ground station 1090MHz <b>ED-129B</b>	EUROCAE			STD-027			B0-ASUR
Asterix	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) <b>EUROCONTROL-SPEC-149 Edition 2.4</b>	EUROCONTROL						
	<b>STANAG 5535 Edition 1</b> Air Surveillance and Ground Based sensors information exchange <b>ADaTP-35</b>	EDA						
Mode S IC	EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) <b>EUROCONTROL-SPEC-153 Edition 1.0</b>	EUROCONTROL						
ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) <b>EUROCONTROL-SPEC-147 (Ed1.1)</b>	EUROCONTROL						
<b>Network services</b>								
ADEXP	<b>CS</b> ADEXP <b>EUROCONTROL-SPEC- 0107 Edition 3.1</b>	EUROCONTROL				AF1 AF3 AF4	1.1.2 3.2.1 4.2.3	

	<b>CS</b> EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) <b>EUROCONTROL SPEC-0107</b> Edition 3.2	EUROCONTROL				AF1 AF3 AF4	1.1.2 3.2.1 4.2.3	
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**SWIM**

M	SWIM Common Components	<b>AIRM Model</b>	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>
		<b>SWIM Service Description EUROCONTROL-SPEC-168 Edition 1.0</b>	EUROCONTROL				AF5	5.1.3 5.1.4 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2	
		<b>SWIM Information Definition EUROCONTROL-SPEC-169 Edition 1.0</b>	EUROCONTROL				AF5	5.1.3 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2	
M		<b>SWIM Technical Infrastructure Yellow Profile EUROCONTROL-SPEC-170 Edition 1.0</b>	EUROCONTROL				AF2 AF5	2.1.4 5.1.1 5.1.2 5.1.3 5.1.4 5.2.1 5.2.2 5.2.3 5.3.1 5.4.1 5.5.1 5.6.1	

**AIS services**

Aeronautical information exchange	<b>AIXM Edition 5.1.1</b>	EUROCONTROL				AF2 AF3 AF5	2.1.3 2.1.4 3.1.1 3.1.2 3.1.3 5.3.1	
	Exchange of Flight Information Publication (FLIP) Data <b>STANAG 7005 Edition 9</b>	EDA						
	EUROCONTROL Specification for Data Assurance Levels <b>EUROCONTROL-SPEC-148 Ed1.1</b>	EUROCONTROL						
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) <b>EUROCONTROL-SPEC-146 Ed2.1</b>	EUROCONTROL				AF5	5.3.1	
Data-base	Standard for processing aeronautical data <b>ED-76A</b>	EUROCAE				AF1 AF5	1.2.1 1.2.2 1.2.3 1.2.4 1.2.5 5.3.1	B0-DAIM
	TS User Requirements for terrain & obstacle data <b>ED-98C</b>	EUROCAE						B0-DAIM
	TS User Requirements for Mapping information <b>ED-99D</b>	EUROCAE				AF2 AF5	2.4.1 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	AF2 AF5	5.3.1	B0-DAIM

MET Systems and Services

M

M



Air/ground data-link services									
ATN B1	ATN B1 MASPS <b>ED-120</b>	EUROCAE				AF6	6.1.1 6.1.4		
	ATN B1 MASPS <b>ED-120 Change 3</b>	EUROCAE				AF6	6.1.1 6.1.4		
			Data Link Services (DLS) System; Community Specification ; Requirements for ground constituents and system testing <b>EN 303 214 (V 1.2.1)</b>	ETSI			AF6	6.1.1	
ATN B2	ATN B2 standards <b>ED-228A</b>	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO	
	ATN B2 standards <b>ED-229A</b>	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO	
	ATN B2 standards <b>ED-230A</b>	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO	
	ATN B2 standards <b>ED-231A</b>	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO	
Air/ground communication technical enablers									
ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS <b>ED-262</b>	EUROCAE							
M  M	VDL Mode 2	VDL 2 Airborne MOPS <b>ED-92B</b>	EUROCAE				AF6	6.1.3 6.1.4 6.1.5	B0-TBO
		VDL 2 Airborne MOPS <b>ED-92C</b>	EUROCAE				AF6	6.1.3 6.1.4 6.1.5	B0-TBO
		VHF air-ground Digital Link (VDL) Mode 2, Part 3: Harmonized EN covering the essential requirements of the Directive 2014/53/EU <b>EN 301 841-3 (V 2.1.1)</b>	ETSI				AF6	6.1.3	



		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 1.4.1)</b>	ETSI				AF6	6.1.3	
		VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment; Part 2: Upper Layers <b>EN 301 841-2 (V 1.1.1)</b>	ETSI				AF6	6.1.3	
		VHF air-ground Digital Link (VDL) Mode 2; Technical characteristics and methods of measurement for ground-based equipment; Part 2: Upper Layers <b>EN 301 841-2 (V 1.2.1)</b>	ETSI				AF6	6.1.3	
	AeroMacs	SARPS on AeroMacs	ICAO						
		MOPS airborne component <b>ED-223</b>	EUROCAE						
		MASPS AeroMacs <b>ED-227</b>	EUROCAE						
M	Satcom	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) <b>ED-242</b>	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO

M		MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) <b>ED-242A</b>	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO
M		MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) <b>ED-243</b>	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO
M		MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) <b>ED-243A</b>	EUROCAE				AF 6	6.1.2 6.1.5	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 <b>EN 301 842-5 (V 2.1.1)</b>	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 <b>EN 302 617-1 (V 2.2.1)</b>	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 <b>EN 302 617-2 (V 2.2.1)</b>	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 <b>EN 302 617 (V 2.3.1)</b>	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 <b>EN 300 676-1 (V 1.5.2)</b>	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 <b>EN 300 676-2 (V 2.1.1)</b>	ETSI						

Ground/ground data-link services								
AMHS			CS Revision of EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) <b>EUROCONTROL-SPEC- 136</b> <b>Edition 1.2</b>	EUROCONTROL				
VoIP	Voice over IP Ground/Ground Communication <b>ED-137-1/C Vol 1 (Radio)</b>	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication <b>ED-137-2/C Vol 2 (Telephone)</b>	EUROCAE				AF3	3.1.4	
	“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				AF3	3.1.4	
	“Interoperability Standard for VOIP ATM Components – Addendum2 To Volume 2: FAA Legacy Telephone Interworking” <b>ED-137 Volume2 Addendum 2</b>	EUROCAE				AF3	3.1.4	
	“Interoperability Standard for VOIP ATM Components – Addendum3 To Volume 2: Instantaneous Access Call” <b>ED-137 Volume2 Addendum 3</b>	EUROCAE				AF3	3.1.4	

“Interoperability Standard for VOIP ATM Components – Addendum 4 To Volume 2: Override Call” <b>ED-137 Volume2 Addendum 4</b>	EUROCAE				AF3	3.1.4	
“Interoperability Standard for VOIP ATM Components – Addendum 5 To Volume 2: Voice Call” <b>ED-137 Volume2 Addendum 5</b>	EUROCAE				AF3	3.1.4	
“Interoperability Standard for VOIP ATM Components – Addendum 6 To Volume 2: Extended Call Forward” <b>ED-137 Volume2 Addendum 6</b>	EUROCAE				AF3	3.1.4	
“Interoperability Standard for VOIP ATM Components – Addendum 7 To Volume 2: Extended Position Monitor” <b>ED-137 Volume2 Addendum 7</b>	EUROCAE				AF3	3.1.4	
“InteroperabilityStandard for VOIP ATM Components – Addendum 8 To Volume 2: Radio Intercom Call” <b>ED-137 Volume2 Addendum 8</b>	EUROCAE				AF3	3.1.4	
“Interoperability Standard for VOIP ATM Components – Addendum 9 To Volume 2: Hotline Access Call” <b>ED-137 Volume2 Addendum 9</b>	EUROCAE				AF3	3.1.4	

	"Interoperability Standard for VOIP ATM Components – Addendum 10 To Volume 2: Call/Answer Access Call" <b>ED-137 Volume2 Addendum 10</b>	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication European Legacy Telephone Interworking <b>ED-137-3/C Vol 3</b>	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication Recording <b>ED-137-4/C Vol 4</b>	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication Supervision <b>ED-137-5/C</b>	EUROCAE				AF3	3.1.4	
<b>Other domains</b>								
Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring - Airport Operator Dataflow <b>EUROCONTROL-SPEC-175 Edition 1.0</b>	EUROCONTROL						
Environment	EUROCONTROL Specification for Collaborative Environmental Management <b>EUROCONTROL-SPEC-156 Edition 1.1</b>	EUROCONTROL						