



Version: 10.0
EASCG 18

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.

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						
		Navigation applications														
	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 EASA RMT 0519	EASA	2019	Ongoing		AF1	1.2.4 1.2.5			
		Navigation technical enablers														
	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 ED-259 A	EUROCAE	WG-62	Q4/2020	ongoing					STD-023			Joint document	B2-APTA	
							Implementation of the regulatory needs of the SESAR common projects RMT.0682	EASA	TBC	Planned						
	GBAS CAT III	SARPS DFMC GBAS	ICAO	NSP	2021	Ongoing										

	GBAS Cat II/III multiconstellation/ multifrequency / System level, Ground station, airborne equipment ED-XXX	EUROCAE	WG-28	2020	Planned					STD-026				B2-APTA
	GBAS Cat II/III L1 ED-114B	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) ED-57A	EUROCAE	WG-107	Q2/2020	Ongoing									
	MASPS for RNP reversion using DME/DME positioning ED-XXX	EUROCAE	WG-107	Q2/2020	Ongoing									
EVS/SVS	MASPS for SVS SVGS CVS ED-XX	EUROCAE	WG-79	Q3/2020	On going							Joint activities with SC-213	B0-APTA	
	MASPS for EVS CVS EFVS ED-XX	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 ED-XX	EUROCAE	WG-79	Q3/2020	On going								B0-APTA	
Airport system														
1 DMAN & A-CDM						Implementation of the regulatory needs of the SESAR common projects RMT.0682	EASA	TBC	TBD					
	MASPS for Airport CDM Systems ED-141A	EUROCAE	WG-111	Q4/2020	On going									
	Airport CDM Interface Specification ED-145A	EUROCAE	WG-111	Q4/2020	On going									
	Guidelines for Test and Validation Related to Airport CDM Interoperability ED-146A	EUROCAE	WG-111	Q4/2020	On going									
	Airport CDM SWIM Service Performance Specification ED-XX	EUROCAE	WG-111	Q4/2021	On going									

						Airport Collaborative Decision Making (A-CDM); Community Specification	ETSI	TBD	Planned		AF2	2.1.1 2.1.3 2.1.4			Dependent upon EUROCAE A-CDM activity	
Runway system	MASPS for Runway Weather Information ED-XX	EUROCAE	WG-109	2020	On going											
A-SMGCS																
	EUROCONTROL Specification for Surface Advanced-Surface Movement Guidance and Control System (A-SMGCS) EUROCONTROL-SPEC-171 Edition 1.1	EUROCONTROL		Q2/2020	Ongoing											
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87E	EUROCAE	WG-41	Q3/2020	Ongoing						AF2	2.4.1 2.5.1 2.5.2		B2-SURF		
	Interop Document on Surveillance Routing Safety Support and Guidance Service data exchange ED-XXX	EUROCAE	WG-41	Q1/2021	Ongoing											
	Guidelines for Surveillance Data Fusion for A-SMGCS Levels 1&2 ED-128A	EUROCAE	WG-41	Q3/2021	Ongoing					ASMGCS-STD-01	AF2	2.2.1		B0-SURF		
						CS on ASMGCS Part 1: surveillance service including external interfaces EN 303 213-1 (V 2.1.1)	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS Part 2: airport safety support service EN 303 213-2 (V 2.1.1)	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 EN 303 213-3 (V 2.1.1)	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS to comply with ED-87D EN 303 213-7 (V 1.1.1)	ETSI	2020	On going		AF2	2.4.1 2.5.1 2.5.2				
						CS on ASMGCS Part 8: A-SMGCS routing service EN 303 213-8 (V 1.1.1)	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 EN 303 213-5-1 (V 1.1.1)	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 EN 303 213-5-2 (V 1.1.1)	ETSI		2020	ongoing						AF2	2.2.1			Delay due to EC assessment as well as new comments from test labs
1	Queue management & approach sequencing														
	TBS for final approach	EUROCONTROL	EUROCONTROL	Q1/2020	On going					STD-065	AF2	2.3.1			
						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	En Route ATM functions														
	Free route					CS on free route	CEN	2018	Not planned						

	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 1.1	EUROCONTROL		Q4/2019	On going						AF3	3.1.1 3.1.2 3.1.3				
						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	Surveillance applications															
	ACAS	MASPS for the Interoperability of Airborne Collision Avoidance Systems ED-XX	EUROCAE	WG-75	Q3/2019	Ongoing								SC-147	B1-ACAS	
		MASPS on AFGS/ACAS coupling ED-224A	EUROCAE	WG-75	2018	Ongoing								SC-147	B1-ACAS	
M A A	Ground applications	Generic SPR for surveillance service ED-261 Vol 1	EUROCAE	WG-102	Q2/2020	Ongoing					STD-027				B1-ASUR	target date
		Generic SPR for surveillance service ED-261 Vol 2	EUROCAE	WG-102	Q2/2020	Ongoing										new item
		Generic SPR for surveillance service ED-261 Vol 3	EUROCAE	WG-102	Q2/2020	Ongoing										new item
							Revision of SPI (Surveillance Performance and Interoperability) RMT 0679	EC	2019	Ongoing						EASA activity completed SPI revision under EC responsibility
M M M	Airborne applications	Minimum Operational Performance Standards (MOPS) for FIM ED-236A	EUROCAE	WG-51	Q2/2020	Ongoing								Joint activity with RTCA SC-186	B0-ASUR	delayed
		Safety and Performance and Interoperability Requirements - ASPA-FIM ED-195B	EUROCAE	WG-51	Q2/2020	Ongoing								Joint activity with RTCA SC-186		delayed
		MOPS for 1090 MHz Extended Squitter A DS-B and TIS-B ED-102B	EUROCAE	WG-51	Q1/2021	Ongoing								Joint activity with RTCA SC-186		delayed

		Minimum Operational Performance Standards (MOPS) for Aircraft Surveillance Applications (ASA) System ED-194B	EUROCAE	WG-51	Q4/2020	Ongoing									Joint activity with RTCA SC-186		
1	Surveillance technical enablers																
A	ADS ground station	ADS-B ground station 1090MHz ED-129C	EUROCAE	WG-51	Q2/2020	On going										new item	
		Technical Specification for an ADS-B Ground System ED-XXX	EUROCAE	WG-51	Q4/2019	On going											
	Mode S	EUROCONTROL Specification for European Modes S Station (EMS) EUROCONTROL-SPEC-XXX Edition 4.0	EUROCONTROL		Q2/2020	On going											
		EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) EUROCONTROL-SPEC-153 Edition 1.1	EUROCONTROL		Q2/2020	Planned											
M	Mode S transponder	MOPS Mode S transponder ED-73F	EUROCAE	WG-49	Q1/2021	Ongoing									joint activity with RTCA SC-209	B0-ASUR	delayed
		MOPS Mode S GA transponder ED-115A	EUROCAE	WG-49	Q2/2022	Ongoing										B0-ASUR	delayed
M	WAM/ADS-B composite	TS for composite ED-142A	EUROCAE	WG-51	Q1/2020	Ongoing										B1-ASUR	delayed
		Wide Area Multilateration (WAM) systems Harmonised Standard for access to radio spectrum EN 303 489 (V 1.1.1)	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 EN 303 363-2 (V 1.1.1)	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) EN 303 364-1 (V 1.1.1)	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) EN 303 364-2 (V 1.1.1)	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) EN 303 364-3 (V 1.1.1)	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													

1	ASTERIX	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-149 Edition 2.5	EUROCONTROL		Q2/2020	Ongoing												
	ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 (Edition 2.0)	EUROCONTROL		Q1/2020	Ongoing												Strong link and dependency with the activity of EUROCAE WG-102 Title change
	Network services																	
	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
	SWIM																	
	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					
		SWIM Technical Infrastructure - Blue Profile	EUROCONTROL		TBD	Not Planned					SWIM-STD-04	AF5	5.1.1 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 ED-XX	EUROCAE	WG-104	Q4/2020	Ongoing												
		SARPS on Information Management (PANS-IM)	ICAO	IMP		Ongoing												Applicability 2022
	AIS services																	

Aeronautical information exchange	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) EUROCONTROL-SPEC-146 Edition XX	EUROCONTROL		Q2/2020	Planned													
	EUROCONTROL Specification for the Origination of Aeronautical Data Vol 2 EUROCONTROL-SPEC-154 Edition XX	EUROCONTROL		Q2/2020	Planned													
	EUROCONTROL Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 2.2	EUROCONTROL		Q4/2019	Ongoing													
	EUROCONTROL Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 2.3	EUROCONTROL		Q1/2021	Planned													
	EUROCONTROL Specification for AIP Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2020	Ongoing													
	EUROCONTROL Specification for Obstacle Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2020	Ongoing													
	EUROCONTROL Specification for Digital NOTAM Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q4/2020	Ongoing													
	EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q2/2020	Ongoing													
	AIXM Edition 5.2	EUROCONTROL		Q4/2019	On going							AF2 AF3 AF5	2.1.3 2.1.4 3.1.1 3.1.2 3.1.3 5.3.1					
	EUROCONTROL Specification for AIP Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned													

	EUROCONTROL Specification for Obstacle Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned									
	EUROCONTROL Specification for Digital NOTAM Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned									
	EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.2	EUROCONTROL		TBD	Planned									
						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	
Meteo system & services														
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 EN 303 347-2 (V 1.1.1)	ETSI		2019	Ongoing										
1	Flight data exchanges														
	Oldi	EUROCONTROL Specification for On-Line Data Interchange (OLDI) EUROCONTROL-SPEC-106 Edition 4.4	EUROCONTROL		Q2/2020	Ongoing									
M	Flight object	Flight object exchange ED-133A	EUROCAE	WG-59	Q2/2021	Ongoing					STD-033 ATC-STD-01	AF5 AF6	5.6.2 6.1.2		B1-FICE activity restarted
							Community specification on FDP IOP	CEN		Not planned		AF5	5.6.1 5.6.2		
1	Security														
		Revision of ATM information security EN 16495	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 ED-201A	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 ED-204A	EUROCAE	WG-72	Q4/2020	Ongoing						AF 5	5.1.4 5.2.3	Joint activity SC-216	
		Guidance on Security Event Management ED-XX	EUROCAE	WG-72	Q4/2020	Ongoing								Joint activity SC-216	
1	ATM ground system														
	Architecture	Technical System Architecture Interfaces	EUROCAE	TBD	2020	Planned									
	Remote tower	MASPS for Remote Tower optical systems ED-240B	EUROCAE	WG-100	2020	Ongoing									B1-RATS

						Technical requirements for Remote TWR Operations RMT.0624	EASA	2019	Ongoing						
	Interface	CWP / FDP Interface	EUROCAE	TBD	2020	Planned									
D	Search & Rescue														
D	ELT	MOPS for Aircraft Emergency Locator Transmitters 406 MHz ED-62B	EUROCAE	WG-98		Published								Joint activity	
D															considered out of scope
D		Minimum Aviation System Performance Specification for Aircraft Emergency Locator Transmitter Return Link Service ED-XXX	EUROCAE	WG-98	2020	Ongoing									considered out of scope
1	Air/ground data-link services														
	ATN B1 & ATS B2						Data Link Services (DLS) System; Community Specification ; Requirements for ground constituents and system testing Revision EN 303 214 (V 1.3.1)	ETSI	2020	Ongoing		AF6	6.1.1		Alignment with the new EASA requirements
A							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 RMT.0524	EASA	Q4/2019	Ongoing					To be approved by EC, new proposed amendment
							Data Link Services RMT.0524	EASA	2020	Ongoing		AF6	6.1.1 6.1.4		
1	Air/ground communication technical enablers														
A	ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS ED-262A	EUROCAE	WG-108	Q3/2021	Ongoing									new item

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	Guidance on ATN/IPS end to end interoperability and certification ED-XX	EUROCAE	WG-108	Q2/2021	Ongoing							coordinated activities	B0-TBO	delayed
VDL Mode 2	VDL 2 Airborne MOPS ED-92D	EUROCAE	WG-92		On going							Joint activity with RTCA SC 214	B0-TBO	activity on hold
	Companion document (Ground VDL Mode 2 systems expected behavior) ED-XX	EUROCAE	WG-92	Q4/2019	Ongoing					AF6	6.1.3 6.1.4		B0-TBO	
	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		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 EN 301 841-1 (V 1.5.1)	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 EN 303 623 (V 1.1.1)	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) ED-242B	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) ED-242C	EUROCAE	WG-82	2021	Planned								coordinated activities (SC222)	B2-TBO	
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243B	EUROCAE	WG-82	2020	Planned					STD-020			coordinated activities (SC222)	B3-TBO	
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243C	EUROCAE	WG-82	2021	Planned					STD-020			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 EN 301 489-22 (V 2.1.1)	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	Air/air data-link services														
	Air to air	AIR AIR point to point Data-Link Services	EUROCAE		2025	Planned									Long term activity at EUROCAE
1	Ground/ground data-link services														
1	Drones														
	Standards related to UAS are covered by the European UAS Standards Coordination Group (EUSCG). The EUSCG RDP is available at www.euscg.eu														
	ACAS for drones	MOPS for ACAS-Xu ED-XX	EUROCAE	WG-75	2020	Planned								B3-ACAS	
1	Other domains														

Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring - Air Transport Operator Dataflow EUROCONTROL- SPEC-xxx Edition 1.0	EUROCONTROL		Q4/2019	Ongoing										
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Published

Domains	Standardisation		Regulation		Master Plan reference	CPs AF	SDM reference Deployment Plan Families	Link to ICAO ASBU
	Standardisation activity	Standardisation organisation	Regulatory activity	Regulatory organisation				
Navigation applications								
Airborne capability	MASPS: Required Navigation Performance for Area Navigation ED-75D	EUROCAE				AF1 AF6	1.2.4 6.1.2 6.1.5	B0-TBO
Enhanced Terminal Airspace using RNP-Based Operations	Doc 9613 Ed 4	ICAO			STD-001	AF1	1.2.1 1.2.2 1.2.3 1.2.4 1.2.5	
			COMMISSION IMPLEMENTING REGULATION (EU) 2018/1048 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	
Navigation technical enablers								
GNSS	Minimum Operational Performance Standard for Galileo / Global Positioning System / Satellite-Based Augmentation System Airborne Equipment ED-259	EUROCAE			STD-023			B2-APTA
GBAS CAT I	GBAS Cat 1 ED-114A	EUROCAE						B0-APTA
	ED-114A Change 1	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 EN 303 084 (V2.1.1)	ETSI						

EVS/SVS	MASPS for a Combined Vision Guidance System for Rotorcraft Operations ED-255	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
	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 2.1.3 2.1.4	
A-SMGCS	EUROCONTROL Specification for Surface Advanced-Surface Movement Guidance and Control System (A-SMGCS) EUROCONTROL-SPEC-171 Edition 1.0	EUROCONTROL			STD-060	AF2	2.2.1 2.4.1 2.5.1	
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87C	EUROCAE			STD-010	AF2	2.2.1	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		AF2	2.2.1 2.4.1 2.5.1	
			A-SMGCS CS to comply with ED 87C as a prerequisite for the PCP EN 303 213-2 (V 1.4.1)	ETSI		AF2	2.2.1 2.4.1 2.5.1	
	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87D	EUROCAE				AF2	2.4.1 2.5.1 2.5.2	B2-SURF
	MOPS for MLAT ED-117A	EUROCAE				AF2	2.2.1	B2-SURF
			Implementation of SESAR Runway safety solutions MST.029	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 EN 303 213-6-1 (V 2.1.1)	ETSI				AF2	2.2.1	
			A-SMGCS; Part 3: Community Specification for a deployed cooperative sensor including its interfaces EN 303 213-3 (V 1.1.1)	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 EN 303 213-4-1 (V 1.1.1)	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 EN 303 213-4-2 (V 1.1.1)	ETSI		AF2	2.2.1	
Queue management & approach sequencing								
TBS	EUROCONTROL Specification for Time-Based Separation support tool for Final Approach (TBS) EUROCONTROL-SPEC-167 Ed1.0 Edition 1.0	EUROCONTROL			STD-065	AF2	2.3.1	
AMAN SWIM services	MASPS covering the Extended horizon AMAN upstream coordination service ED-254	EUROCAE				AF1	1.1.2	B1-RSEQ

En Route ATM functions								
Free route	EUROCONTROL Extended MTCO Specification EUROCONTROL-SPEC-139 Edition 2.0	EUROCONTROL			STD-061	AF3	3.2.1	
	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						
	EUROCONTROL STCA Guidelines EUROCONTROL-GUID-159	EUROCONTROL				AF3	3.2.1	
	EUROCONTROL Monitoring Aids (MONA) Specification EUROCONTROL-SPEC-142	EUROCONTROL			STD-062	AF3	3.2.1	
	EUROCONTROL Trajectory Prediction Specification EUROCONTROL-SPEC-143	EUROCONTROL			STD-063	AF3	3.2.1	
	EUROCONTROL Area Proximity Warning (APW) Guidelines EUROCONTROL-GUID-161	EUROCONTROL			STD-064	AF3	3.2.1	
	EUROCONTROL MSAW Guidelines EUROCONTROL-GUID-160	EUROCONTROL				AF3	3.2.1	
	EUROCONTROL APM Guidelines EUROCONTROL-GUID-162	EUROCONTROL						
	EUROCONTROL Guidelines for Supporting the Implementation of Commission Regulation (EU) 73/2010 (ADQ) EUROCONTROL-GUID-163	EUROCONTROL				AF1 AF5	1.2.2 5.3.1	
Surveillance applications								
ACAS	MOPS for TCAS II hybrid surveillance ED-221A	EUROCAE						B1-ACAS
	MOPS for ACAS Xa with ACAS Xo functionality ED-256	EUROCAE						B2-ACAS
	MOPS for ACAS X Change 1 to ED-256	EUROCAE						B2-ACAS

Airborne applications	SPR & INTEROP ASPA-FIM ED-195A				ASAS-STD-01			B0-ASUR
	MOPS FIM ED-236	EUROCAE			ASAS-STD-01			B0-ASUR
Surveillance technical enablers								
ADS ground station	ADS-B ground station 1090MHz ED-129A	EUROCAE			STD-027			B0-ASUR
	ADS-B ground station 1090MHz ED-129B	EUROCAE			STD-027			B0-ASUR
Asterix	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-149 Edition 2.4	EUROCONTROL						
	STANAG 5535 Edition 1 Air Surveillance and Ground Based sensors information exchange ADaTP-35	EDA						
Mode S IC	EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) EUROCONTROL-SPEC-153 Edition 1.0	EUROCONTROL						
ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 (Ed1.1)	EUROCONTROL						
Network services								
ADEXP	CS ADEXP EUROCONTROL-SPEC- 0107 Edition 3.1	EUROCONTROL				AF1 AF3 AF4	1.1.2 3.2.1 4.2.3	
	CS EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC- 0107 Edition 3.2	EUROCONTROL				AF1 AF3 AF4	1.1.2 3.2.1 4.2.3	
SWIM								

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SWIM Common Components	AIRM Model	EUROCONTROL			SWIM-STD-01			
	SWIM Service Description EUROCONTROL-SPEC-168 Edition 1.0	EUROCONTROL				AF5	5.1.3 5.1.4 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2	
	SWIM Information Definition EUROCONTROL-SPEC-169 Edition 1.0	EUROCONTROL				AF5	5.1.3 5.3.1 5.4.1 5.5.1 5.6.1 5.6.2	
	SWIM Technical Infrastructure Yellow Profile EUROCONTROL-SPEC-170 Edition 1.0	EUROCONTROL				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	
AIS services								
Aeronautical information exchange	AIXM Edition 5.1.1	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 STANAG 7005 Edition 9	EDA						
	EUROCONTROL Specification for Data Assurance Levels EUROCONTROL-SPEC-148 Ed1.1	EUROCONTROL						
	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP) EUROCONTROL-SPEC-146 Ed2.1	EUROCONTROL				AF5	5.3.1	

Data-base	Standard for processing aeronautical data ED-76A	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 ED-98C	EUROCAE						B0-DAIM
	TS User Requirements for Mapping information ED-99D	EUROCAE				AF5	5.3.1	B0-DAIM
	TS User Requirements for navigation data ED-77A	EUROCAE						B1-DAIM
	Terrain, obstacles and aerodrome maps AIS Data Exchange Standard ED-119C	EUROCAE			AIMS-STD-01 STD-032	AF5	5.3.1	B0-DAIM
MET Systems and Services								
Meteorological information exchange	iWXXM	ICAO				AF2 AF5	2.1.3 2.1.4 2.3.1 5.4.1	
Flight data exchanges								
FIXM	FIXM v4	EUROCONTROL				AF5	5.6.1	
			CS (2019/C 31/06) OLDI EUROCONTROL-SPEC-0106 Ed4.3	EUROCONTROL		AF1 AF3 AF6	1.1.2 3.2.1 6.1.1	
Flight object	Flight object exchange ED-133	EUROCAE				AF5 AF6	5.6.2 6.1.2	
IFPL			Community Specification: EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL-SPEC-0101 Edition 1.3	EUROCONTROL		AF4 AF5	4.2.3 5.6.1	
Security								
Methodology	Airworthiness Security Methods and Considerations ED-203	EUROCAE						
	Airworthiness Security Methods and Considerations ED-203A	EUROCAE						

AISS	Aeronautical Information System Security (AISS) Framework Guidance ED-201	EUROCAE						
	Aeronautical Information System Security (AISS) Framework Guidance ED-205	EUROCAE				AF 5	5.1.4 5.2.3	
ATM ground system								
Remote tower	MASPS for Remote Tower optical systems ED-240							B1-RATS
	MASPS for Remote Tower optical systems ED-240A							B1-RATS
Air/ground data-link services								
ATN B1	ATN B1 MASPS ED-120	EUROCAE				AF6	6.1.1 6.1.4	
	ATN B1 MASPS ED-120 Change 3	EUROCAE				AF6	6.1.1 6.1.4	
			Data Link Services (DLS) System; Community Specification ; Requirements for ground constituents and system testing EN 303 214 (V 1.2.1)	ETSI		AF6	6.1.1	
ATN B2	ATN B2 standards ED-228A	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO
	ATN B2 standards ED-229A	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO
	ATN B2 standards ED-230A	EUROCAE			STD-004	AF6	6.1.2 6.1.5	B0-TBO
	ATN B2 standards ED-231A	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 ED-262	EUROCAE						
VDL Mode 2	VDL 2 Airborne MOPS ED-92B	EUROCAE				AF6	6.1.3 6.1.4	B0-TBO
	VDL 2 Airborne MOPS ED-92C	EUROCAE				AF6	6.1.3 6.1.4	B0-TBO

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	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	6.1.3	
	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 EN 301 841-1 (V 1.4.1)	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 EN 301 841-2 (V 1.1.1)	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 EN 301 841-2 (V 1.2.1)	ETSI				AF6	6.1.3	
AeroMacs	SARPS on AeroMacs	ICAO						
	MOPS airborne component ED-223	EUROCAE						
	MASPS AeroMacs ED-227	EUROCAE						
Satcom	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO
	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242A	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO

	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243A	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 EN 301 842-5 (V 2.1.1)	ETSI						
UHF	Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 1: Technical characteristics and methods of measurement EN 302 617-1 (V 2.2.1)	ETSI						
	Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation; Part 2: Harmonized EN covering the essential requirements Directive 2014/53/EU EN 302 617-2 (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 1.5.2)	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						
Ground/ground data-link services								
AMHS			CS Revision of EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) EUROCONTROL-SPEC-136 Edition 1.2	EUROCONTROL				
VoIP	Voice over IP Ground/Ground Communication ED-137-1/C Vol 1 (Radio)	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication ED-137-2/C Vol 2 (Telephone)	EUROCAE				AF3	3.1.4	
	"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				AF3	3.1.4	

	"Interoperability Standard for VOIP ATM Components – Addendum2 To Volume 2: FAA Legacy Telephone Interworking" ED-137 Volume2 Addendum 2	EUROCAE				AF3	3.1.4	
	"Interoperability Standard for VOIP ATM Components – Addendum3 To Volume 2: Instantaneous Access Call" ED-137 Volume2 Addendum 3	EUROCAE				AF3	3.1.4	
	"Interoperability Standard for VOIP ATM Components – Addendum 4 To Volume 2: Override Call" ED-137 Volume2 Addendum 4	EUROCAE				AF3	3.1.4	
	"Interoperability Standard for VOIP ATM Components – Addendum 5 To Volume 2: Voice Call" ED-137 Volume2 Addendum 5	EUROCAE				AF3	3.1.4	
	"Interoperability Standard for VOIP ATM Components – Addendum 6 To Volume 2: Extended Call Forward" ED-137 Volume2 Addendum 6	EUROCAE				AF3	3.1.4	
	"Interoperability Standard for VOIP ATM Components – Addendum 7 To Volume 2: Extended Position Monitor" ED-137 Volume2 Addendum 7	EUROCAE				AF3	3.1.4	
	"InteroperabilityStandard for VOIP ATM Components – Addendum 8 To Volume 2: Radio Intercom Call" ED-137 Volume2 Addendum 8	EUROCAE				AF3	3.1.4	

	"Interoperability Standard for VOIP ATM Components – Addendum 9 To Volume 2: Hotline Access Call" ED-137 Volume2 Addendum 9	EUROCAE				AF3	3.1.4	
	"Interoperability Standard for VOIP ATM Components – Addendum 10 To Volume 2: Call/Answer Access Call" ED-137 Volume2 Addendum 10	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication European Legacy Telephone Interworking ED-137-3/C Vol 3	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication Recording ED-137-4/C Vol 4	EUROCAE				AF3	3.1.4	
	Voice over IP Ground/Ground Communication Supervision ED-137-5/C	EUROCAE				AF3	3.1.4	
Other domains								
Performances	EUROCONTROL Specification for Operational ANS Performance Monitoring Airport Operator Dataflow EUROCONTROL-SPEC-175 Edition 1.0	EUROCONTROL						
Environment	EUROCONTROL Specification for Collaborative Environmental Management EUROCONTROL-SPEC-156 Edition 1.1	EUROCONTROL						