



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 21

Change A=added D=deleted M=modified	Domains	Standardisation				Regulation				Master Plan reference	CPs AF	SDM reference Deployment Plan Families	Joint activity with RTCA	Link to ICAO ASBU	Comment
		Standardisation activity	Standardisation organisation	WG/Panel	Target date for standard publication	Status	Regulatory activity	Regulatory organisation	Target date for regulatory material publication						
1	Navigation applications														
	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		
		MASPS for Required Navigation Performance for Area Navigation ED-75E	EUROCAE	WG-85	2022	Started								Coordinated with RTCA	
M							EASA regulatory material on PBN incorporating Doc 9613 EASA RMT 0519	EASA		Published		AF1	1.2.4 1.2.5		Executive Director Decision 2019/011/R of 26/04/2019
1	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	
	MOPS For Global Navigation Satellite Ground Based Augmentation System Ground Equipment To Support Precision Approach and Landing ED-114B Change 1	EUROCAE	WG-28	Dec 2021	Ongoing					BTNAV-STD-09				B2-APTA	
GNSS Contingency	MPS for Distance Measuring Equipment (DME/N and DME/P) (ground equipment) ED-57A	EUROCAE	WG-107	Dec 2022	Ongoing										
	MASPS for RNP reversion using DME/DME positioning ED-XXX	EUROCAE	WG-107	Dec 2022	Ongoing										
EVS/SVS	MASPS for SVS SVGS CVS ED-XX	EUROCAE	WG-79	Q3/2020	On going								Joint activities with SC-213	B0-APTA	
	SPR and Interoperability Document for Takeoff Minima by Use of EFVS ED-25Z Change 1	EUROCAE	WG-79		Published										New item published
	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	
1	Airport system														

A	DMAN & A-CDM					Implementation of the regulatory needs of the SESAR common projects RMT.0682	EASA	TBC	TBD						
		EUROCONTROL													
	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	May 2021	On going									
		MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) ED-87E	EUROCAE	WG-41	Q4/2021	Ongoing					ASMGCS-STD-01	AF2	2.4.1 2.5.1 2.5.2		B2-SURF
	Interop Document on Surveillance, Routing, Safety Support ED-XXX	EUROCAE	WG-41	Q2/2021	Ongoing					ASMGCS-STD-01	AF2	2.2.1 2.4.1		B2-SURF	
	Interop Document on Guidance Service data exchange ED-ZZZ	EUROCAE	WG-42	Q2/2022	Ongoing					ASMGCS-STD-01	AF2	2.2.1 2.4.1		B2-SURF	

	Guidelines for Surveillance Data Fusion for A-SMGCS Levels 1&2 ED-128A	EUROCAE	WG-41	Q3/2021	On hold					ASMGCS-STD-01	AF2	2.2.1		B0-SURF	
						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 4: Community Specification for a deployed non-cooperative sensor including its interfaces; Sub-part 1: Generic requirements for non cooperative sensor	ETSI		2021	Ongoing										
A	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	ETSI		2021	Ongoing										New item
	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		2021	ongoing						AF2	2.2.1			
1	Queue management & approach sequencing														

M	TBS for final approach	EUROCONTROL Guidelines for TBS EUROCONTROL-GUID-XXX Edition 1.0	EUROCONTROL		Q3/2021	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																
D	Free route						CS on free route	CEN	2018	Not planned							Activity abandoned
							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																
M	ACAS	Minimum Aviation System Performance Standards (MASPS) for the Interoperability of Airborne Collision Avoidance Systems (CAS)	EUROCAE	WG-75		Published								SC-147	B1-ACAS	Published	
	Ground applications	Generic SPR for surveillance service ED-261 Vol 1	EUROCAE	WG-102	Q4/2020	Ongoing								STD-027		B1-ASUR	
		Generic SPR for surveillance service ED-261 Vol 2	EUROCAE	WG-102	Q4/2020	Ongoing											
		Generic SPR for surveillance service ED-261 Vol 3	EUROCAE	WG-102	Q4/2020	Ongoing											
M							Revision of SPI (Surveillance Performance and Interoperability) RMT 0679	EC		Published							EC Implementing Regulation (EU) 2020/587 of 29/04/2020
	Airborne	Minimum Operational Performance Standards (MOPS) for FIM ED-236A Change 1	EUROCAE	WG-51	Feb 2021	Ongoing											

	MOPS for 1090 MHz Extended Squitter ADS-B and TIS-B ED-102B	EUROCAE	WG-51	Q1/2021	Ongoing								Joint activity with RTCA SC-186	
1	Surveillance technical enablers													
	ADS-B	Technical Specification for an ADS-B Ground System ED-129C	EUROCAE	WG-51	Q2/2021	On going								
M	Mode S	EUROCONTROL Specification for European Modes S Station (EMS) EUROCONTROL-SPEC-XXX Edition 4.0	EUROCONTROL		Q1/2021	On going								Delay
M		EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA) EUROCONTROL-SPEC-153 Edition 1.1	EUROCONTROL		Q1/2021	Planned								Delay
	Mode S transponder	MOPS Mode S transponder ED-73F	EUROCAE	WG-49	Q1/2021	Ongoing							joint activity with RTCA SC-209	B0-ASUR
		MOPS Mode S GA transponder ED-115A	EUROCAE	WG-49	Q2/2022	Ongoing								B0-ASUR
	WAM/ADS-B composite	TS for WAM Ground System with Composite Surveillance Functionality ED-142A	EUROCAE	WG-51	Mar-21	Ongoing								B1-ASUR
		Wide Area Multilateration (WAM) systems Harmonised Standard for access to radio spectrum EN 303 489 (V 1.1.1)	ETSI		2022	Ongoing								
	MSPSR	TS for INCS system	EUROCAE	WG-103	Q4/2020	Ongoing								B1-ASUR
	SSR	Air Traffic Control Surveillance Radar Sensors; Secondary Surveillance Radar (SSR); Harmonised Standard for access to radio spectrum; Part 1: SSR interrogator EN 303 363-1 (V 1.1.1)	ETSI		2021	ongoing								

	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		2021	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		2021	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		2021	ongoing													
PSR in X band	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		2021	ongoing													

	Asterix	EUROCONTROL Specification for All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) EUROCONTROL-SPEC-149 Edition 2.5	EUROCONTROL		Q4/2020	Ongoing										
	ESASSP	EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 Edition 1.2	EUROCONTROL		Q4/2020	Ongoing										
		EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) EUROCONTROL-SPEC-147 Edition 2.0	EUROCONTROL		Q3/2021	Ongoing										Strong link and dependency with the activity of EUROCAE WG-102 Delay
1	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
M							EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 Edition 3.3	EUROCONTROL	Q2 2021	Planned		AF1 AF3 AF4	1.1.2 3.2.1 4.2.3			SDM Family update Edition 3.3 to be submitted when available to EC for introduction in the EJO
1	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			
A		SWIM Technical Infrastructure - Yellow Profile	EUROCONTROL		TBD	Not Planned										

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 ED-XX	EUROCAE	WG-104	Q4/2020	Ongoing										
SARPS on Information Management (PANS IM)	ICAO	IMP		Ongoing										Applicability 2022

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AIS services

Aeronautical information exchange	EUROCONTROL	EUROCONTROL	Q4/2020	Ongoing										
Specification for the electronic Aeronautical Information Publication (eAIP) EUROCONTROL-SPEC-146 Edition XX														
Specification for the Origination of Aeronautical Data Vol 2 EUROCONTROL-SPEC-154 Edition XX	EUROCONTROL	EUROCONTROL	Q4/2020	Ongoing										
Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 2.2	EUROCONTROL	EUROCONTROL	Q1/2021	Ongoing										
Terrain and Obstacle Data Manual (TOD) EUROCONTROL-GUID-158 Edition 2.3	EUROCONTROL	EUROCONTROL	Q1/2021	Planned										
Specification for AIP Data Set Coding using AIXM 5.1.1	EUROCONTROL	EUROCONTROL	Q4/2020	Ongoing										
Specification for Obstacle Data Set Coding using AIXM 5.1.1	EUROCONTROL	EUROCONTROL	Q4/2020	Ongoing										
Specification for Digital NOTAM Data Set Coding using AIXM 5.1.1	EUROCONTROL	EUROCONTROL	Q1/2021	Planned										Delay

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M		EUROCONTROL Specification for Instrument Flight Procedures Design Data Set Coding using AIXM 5.1.1	EUROCONTROL		Q1/2021	Ongoing													Delay
M		AIXM Edition 5.2	EUROCONTROL		Q3/2020	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													
D							Community specification on AMDB	CEN	2019	Not Planned									Activity abandoned
		PANS-IM covering AIRM	ICAO	IMP	2019	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	Jun-22	Ongoing								coordinated activities		B2-DAIM			
1	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	Jun-22	Ongoing				AGDLS-STD- 08				coordinated activities		B2-AMET			
	Flight data exchanges																		
M	IFPL	EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL- SPEC-0101 Edition 1.4	EUROCONTROL		Q3/2020	Ongoing					AF4 AF5	4.2.3 5.6.1							SDM Family update

M							EUROCONTROL Specification for the Initial Flight Plan (IFPL) EUROCONTROL- SPEC-0101 Edition 1.4	EUROCONTROL	Q3/2021	Planned		AF4 AF5	4.2.3 5.6.1			SDM Family update Edition 1.4 to be submitted when available to EC for introduction in the EJO	
M	OLDI						EUROCONTROL Specification for On- Line Data Interchange (OLDI) EUROCONTROL- SPEC-106 Edition 5.0	EUROCONTROL	Q2/2021	Planned		AF1 AF3 AF6	1.1.2 3.2.1 6.1.1			SDM Family update Edition 5.0 to be submitted when available to EC for introduction in the EJO	
	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	
							Community specification on FDP IOP	CEN		Not planned		AF5	5.6.1 5.6.2				
1	Security																
1	ATM ground system																
	Architecture	Technical System Architecture Interfaces	EUROCAE	TBD		Not planned											Activity not yet planned Link with the AAS programme
M	Remote tower	MASPS for Remote Tower optical systems ED-240B	EUROCAE	WG-100	Q2/2023	Ongoing										B1-RATS	Delay
A		MASPS for Remote Tower optical systems ED-240A Change 1	EUROCAE	WG-100	Q4/2021												New item
M								Technical requirements for Remote TWR Operations RMT.0624	EASA	2023	Ongoing						
A	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
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	2021	Ongoing		AF6	6.1.1				

M						COMMISSION IMPLEMENTING REGULATION (EU) 2020/208 of 14 February 2020	EC		Published		AF6	6.1.1 6.1.4			COMMISSION IMPLEMENTING REGULATION (EU) 2020/208 of 14 February 2020 issued	
						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										
1						Data Link Services RMT.0524	EASA	2020	Ongoing		AF6	6.1.1 6.1.4				
Air/ground communication technical enablers																
	ATN/IPS	Technical Standard of Aviation Profiles for ATN-IPS ED-262A	EUROCAE	WG-108	Q3/2021	Ongoing										
		Guidance on ATN/IPS end to end interoperability and certification ED-XX	EUROCAE	WG-108	Q2/2021	Ongoing							coordinated activities	B0-TBO		
M	VDL Mode 2	VDL 2 Airborne MOPS ED-92D	EUROCAE	WG-92	Q4/2021	On going							Joint activity with RTCA SC 214	B0-TBO	On going	
M		Guidance on Air to Ground VDL Mode 2 Interoperability ED-276	EUROCAE	WG-92	Q3/2020	Ongoing					AF6	6.1.3 6.1.4 6.1.5	Joint activity with RTCA SC 214	B0-TBO	Published	
		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		2021	Ongoing					AF6	6.1.3				
		VHF air-ground Digital Link (VDL) Mode 2, Part 3: Harmonized standard for access to radio spectrum EN 301 841-3 (V 2.2.1)	ETSI		2021	Ongoing					AF6	6.1.3				
	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		
M	Satcom	Revision of MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242C	EUROCAE	WG-82	Q3/2021	On going														coordinated activities (SC222)	B2-TBO	Delay	
M		MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243C	EUROCAE	WG-82	Q3/2021	On going										STD-020					coordinated activities (SC222)	B3-TBO	Delay
	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		2021	Ongoing																	
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																						
	ACAS for drones	MOPS for ACAS-Xu ED-275	EUROCAE	WG-75	Mar-21	Ongoing															Joint activity with RTCA	B3-ACAS	
1	Counter UAS																						
A	System Performance Requirements for non-cooperative UAS detection systems ED-XX		EUROCAE	WG-115	Q4/2021	Ongoing																New item referring to ED-286 "OSED for Counter-UAS in controlled airspace "	

A	Interoperability Requirements for Counter-UAS systems ED-YY		EUROCAE	WG-115	Q4/2021	Ongoing									New item referring to ED-286 "OSD for Counter-UAS in controlled airspace "
1	Other domains														
	Performances														
A	Environment														

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-222	EUROCAE			STD-023			B2-APTA
GBAS	GBAS Cat 1 ED-114A	EUROCAE						B0-APTA
	ED-114A Change 1	EUROCAE						B0-APTA
	ED-114B	EUROCAE			BTNAV-STD-09			B0-APTA
	Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB); Technical characteristics and methods of measurement for ground-based equipment; Harmonized EN covering the essential requirements of article 3.2 Directive 2014/53/EU EN 303 084	ETSI						
EVIS/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

A	Safety Performance and Interoperability Requirements Document Defining Takeoff Minima by Use of Enhanced Flight Vision Systems	EUROCAE								New publication
	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	EUROCONTROL		STD-060	AF2	2.2.1 2.4.1 2.5.1			
M		EUROCONTROL	EUROCONTROL		STD-060	AF2	2.2.1 2.4.1 2.5.1			Published
		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		
				CS on ASMGCS Part 1: surveillance service including external interfaces EN 303 213-1 (V 2.1.1)	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		

		CS on ASMGCS Part 2: airport safety support service EN 303 213-2 (V 2.1.1)	ETSI		AF2	2.2.1 2.4.1 2.5.1	
		CS on ASMGCS Part 3: Community Specification for a deployed cooperative sensor including its interfaces EN 303 213-3 (V 1.1.1)					
		CS on ASMGCS Part 3: deployed cooperative sensor including its interfaces EN 303 213-3 (V 2.1.1)	ETSI		AF2	2.2.1 2.4.1 2.5.1	
		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	
		CS on ASMGCS to comply with ED-87D EN 303 213-7 (V 1.1.1)	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				
	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	ETSI						
	A-SMGCS; Part 6: Harmonized EN covering the essential requirements of article 3.2 of the Directive 2014/53/EU for deployed surface movement radar sensors; Sub-part 1: X-band sensors using pulsed signals and transmitting power up to 100 kW EN 303 213-6-1 (V 2.1.1)	ETSI				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 MTCD 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				AF3	3.1.1 3.1.2 3.1.3	

	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	3.1.1 3.1.2 3.1.3 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	
	EUROCONTROL Specification for Airspace Management (ASM) support system requirements supporting the ASM processes at local and FAB level - Part II - ASM Systems Interface Requirements EUROCONTROL-SPEC-166 Edition 1.0	EUROCONTROL				AF3	3.1.1 3.1.2 3.1.3	
Surveillance applications								
ACAS	MOPS for TCAS II hybrid surveillance ED-221A	EUROCAE						B2-ACAS
	MOPS for ACAS Xa with ACAS Xo functionality ED-256	EUROCAE						B2-ACAS
	MOPS for ACAS X ED-256 Change 1	EUROCAE			ASAS-STD-01			B0-ASUR

A		Minimum Aviation System Performance Standards (MASPS) for the Interoperability of Airborne Collision Avoidance Systems (CAS) ED-264	EUROCAE						
	Ground applications								
	Airborne applications	SPR & INTEROP ASPA-FIM ED-195A			ASAS-STD-01			B0-ASUR	
		MOPS FIM ED-236	EUROCAE		ASAS-STD-01			B0-ASUR	
		MOPS for FIM ED-236A	EUROCAE						
		MOPS for Aircraft Surveillance Applications (ASA) System ED-194B	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							

Radar enablers	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 1: S band Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz EN 303 347-1	ETSI						
	Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 3: X band Meteorological Radar Sensor operating in the frequency band 9 300 MHz to 9 500 MHz EN 303 347-3	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	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	ETSI						
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	

A	CS EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) EUROCONTROL SPEC-0107 Edition 3.3	EUROCONTROL				AF1 AF3 AF4	1.1.2 3.2.1 4.2.3		
	SWIM								
	SWIM Common Components	AIRM Model	EUROCONTROL			SWIM-STD-01	AF5	5.3.1 5.4.1 5.5.1 5.6.1	Available on http://airm.aero/
		SWIM Service Description EUROCONTROL-SPEC-168 Edition 1.0	EUROCONTROL				AF5	5.1.3 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				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	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				AF2 AF5	2.4.1 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	AF2 AF5	5.3.1	B0-DAIM
MET Systems and Services								
Meteorological information exchange	Meteorological Radars; Harmonised Standard for	ETSI						
	Meteorological Radars; Harmonised Standard for	ETSI						
	eteorological Radars Harmonised Standard for	ETSI						
	WXM	ICAO				AF2 AF5	2.1.3 2.1.4 2.3.1 2.4.1 5.4.1	Applicable from 5 Nov 2020
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	
			CS (2019/C 31/06) OLDI EUROCONTROL- SPEC-0106 Ed5.0	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

Standards related to cybersecurity are covered by the European Cybersecurity for Aviation Standards Coordination Group

Security matters addressed within the ECSCG RDP

M

ATM ground system

Remote tower	MASPS for Remote Tower optical systems ED-240							B1-RATS
	MASPS for Remote Tower							B1-RATS

Air/ground data-link services

M

			COMMISSION IMPLEMENTING REGULATION (EU) EC 2020/208 of 14 February 2020					
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	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	EUROCAE			STD-004	AF6	6.1.2	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 6.1.5	B0-TBO
	VDL 2 Airborne MOPS ED-92C	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 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
	MASPS for AMS(R)S Data and Voice Communications Supporting Required Communications Performance (RCP) and Required Surveillance Performance (RSP) ED-242B	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
	MOPS for Avionics Supporting Next Generation Satellite Systems (NGSS) ED-243B	EUROCAE				AF 6	6.1.2 6.1.5	B2-TBO

Published

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 – Addendum 3 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	
"Interoperability Standard 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-	EUROCONTROL						
	EUROCONTROL Specification for Operational ANS Performance Monitoring - Air Transport Operator Dataflow EUROCONTROL-SPEC-180	EUROCONTROL						
Environment	EUROCONTROL Specification for Collaborative Environmental Management EUROCONTROL-SPEC-156	EUROCONTROL						