

LIST OF CURRENT PUBLICATIONS – SEPTEMBER 2016

REFERENCE		TITLE	Price in € VAT not included
			Electronic Version
001	1/WG7/70 <i>January 70</i>	- MPS for airborne 75 MHz marker beacon receiving equipment	30
002	1/WG9/71 <i>June 72</i>	- MPS for airborne secondary surveillance radar transponder apparatus ➤ Including Amendment N°1 (measurement procedures)-April 1974 & Amendment N°2-6 January 2000	70
003	WG7C/1-74 <i>August 74</i>	- MPS for airborne Doppler radar ground speed and/or drift angle measuring equipment	30
004	WG7C/2-74 <i>August 74</i>	- MPS for airborne automatic dead reckoning computer equipment utilising aircraft heading and Doppler obtained velocity vector data	30
005	ED-12C <i>January 12</i>	- Software considerations in airborne systems and equipment certification ➤ Including Amendment N°1 – 19 October 1999	250
006	ED-14G <i>May 11</i>	- Environmental conditions and test procedures for airborne equipment	380
007	ED-14G Change 1 <i>January 15</i>	- Environmental conditions and test procedures for airborne equipment	0
008	ED-18 <i>July 85</i>	- Audio systems characteristics and MPS covering microphones (except carbon), headsets, handsets and loudspeakers, audio selector panels and amplifiers	70
009	ED-22B <i>January 88</i>	- MPS for airborne VOR receiving equipment	80
010	ED-23C <i>June 09</i>	- MOPS for airborne VHF Receiver-Transmitter operating in the frequency range 117.975 – 137.000 MHz	115
011	ED-26 <i>March 79</i>	- MPS for airborne altitude measurements and coding systems ➤ Including Erratum	80
012	ED-27 <i>October 79</i>	- MOPR for airborne area navigation systems based on VOR and DME as sensors	80
013	ED-28 <i>July 82</i>	- MPS for airborne area navigation computing equipment based on VOR and DME as sensors	60
014	ED-30 <i>March 80</i>	- MPS for airborne low range radio (radar) altimeter equipment ➤ Including errata N°1 – 1 June 1980	50
015	ED-36B <i>October 07</i>	- MOPS for Microwave Landing System (MLS) Airborne Receiving Equipment	170
016	ED-38 <i>June 83</i>	- MPS for airborne weather, ground mapping and assisted approach radars (including surface-based transponder beacon system characteristics) ➤ Including Amendment N°1 – March 1992	80
017	ED-39 <i>June 84</i>	- MOPR for airborne area navigation systems based on two DME as sensors	75
018	ED-40 <i>June 84</i>	- MPS for airborne computing equipment for area navigation system using two DME as sensors	60
019	ED-42 <i>October 83</i>	- MPS for fuel flowmeter systems to aircraft standards	60
020	ED-43 <i>October 83</i>	- MOPR for the SSR transponder and the altitude measurement and coding system	80
021	ED-46B <i>September 95</i>	- MOPS for airborne ILS localizer receiving equipment ➤ Including Amendment N°1 – October 1995 & Amendment N°2 – July 1997	90
022	ED-47B <i>September 95</i>	- MOPS for airborne ILS glide path receiving equipment ➤ Including Amendment N°1 – 15 July 1997	90
023	ED-51 <i>October 83</i>	- MPS for airborne automatic direction finding equipment ➤ Including Amendment N°1 – October 1987	50
024	ED-52 <i>August 84</i>	- MPS for conventional and Doppler VHF omnirange (C VOR and D VOR) (ground equipment) ➤ Including Amendment N°1	80
025	ED-53A <i>December 89</i>	- MOPS for microwave landing system (MLS) (ground equipment) ➤ Including Amendment N°1 – August 1994	110

REFERENCE		TITLE	Price in € VAT not included
			Electronic Version
026	ED-54 January 87	- MOPR for distance measuring equipment interrogators (DME/N and DME/P) operating within the radio frequency range 960 – 1215 MHz (airborne equipment)	95
027	ED-57 December 86	- MPS for distance measuring equipment (DME/N and DME/P) (ground equipment) ➤ Including Amendment N°1 – 26 October 1992	90
028	ED-58 June 88	- MOPS for area navigation equipment using multi-sensor inputs (airborne equipment)	100
029	ED-62A February 09	- MOPS for aircraft emergency locator transmitters (406 MHz and 121.5 MHz – optional 243 MHz)	80
030	ED-67 April 91	- MOPS for devices that prevent unintentional or continuous transmissions	50
031	ED-68 April 92	- MOPS for devices that prevent simultaneous transmissions	80
032	ED-72A April 97	- MOPS for airborne GPS receiving equipment used for supplemental means of navigation	110
033	ED-73E May 11	- MOPS for Secondary Surveillance Radar Mode S Transponders	350
034	ED-74 February 95	- MOPS for combined ILS and MLS airborne receiving equipment ➤ Including Amendment N°1 – 15 July 1997	60
035	ED-75D October 14	- MASPS: Required Navigation Performance for Area Navigation	190
036	ED-76A June 15	- Standards for processing aeronautical Data	175
037	ED-77 April 00	- Standards for Aeronautical information	130
038	ED-78A December 00	- Guidelines for Approval of the Provision and Use of Air Traffic Services supported by Data Communications	135
039	ED-79A December 10	- Guidelines for Development of Civil Aircraft and Systems	115
040	ED-80 April 00	- Design Assurance Guidance for Airborne Electronic Hardware	110
041	ED-81 May 96	- Certification of Aircraft Electrical/Electronic Systems for the Indirect Effects of Lightning ➤ Including Amendment N°1 – 26 August 1999	80
042	ED-82A November 99	- MOPS for Mode S Aircraft Data Link Processors	110
043	ED-83 April 98	- Recommendations on Ground Collision Avoidance Systems	105
044	ED-84A July 13	- Aircraft Lightning Environment and Related Test Waveforms	70
045	ED-85A December 03	- Data-Link Application System Document (DLASD) for “Departure Clearance” Data-Link Service	90
046	ED-87C January 15	- MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Levels 1 and 2	110
047	ED-88 August 97	- MOPS for Multi-Mode Airborne Receiver (MMR) including ILS, MLS and GPS used for Supplemental Means of Navigation	50
048	ED-89A December 03	- Data Link Application System Document (DLASD) for the “ATIS” Data Link Service	90
049	ED-90B May 10	- Radio frequency susceptibility Test procedures	130
050	ED-91 July 98	- Aircraft Lightning Zoning Standard ➤ Including Amendment N°1 – 6 September 1999 & Amendment N°2 – 27 June 2006	90
051	ED-92B October 12	- MOPS for an Airborne VDL Mode-2 System operating in the frequency range 118-136,975 MHz	200
052	ED-92B Change 1 March 14	- MOPS for an Airborne VDL Mode2 System operating in the frequency range 118-136,975 MHz	50
053	ED-93 November 98	- MASPS for CNS/ATM message recording systems ➤ Including Amendment N°1 – 23 November 1998	105
054	ED-94C January 12	- Supporting Information for ED-12C and ED-109A	250
055	ED-95 October 99	- MASPS for a Global Navigation Satellite System Ground Based Augmentation System to Support Cat 1 Operations	95
056	ED-96 July 00	- Requirements Specification for an Avionics Computer Resource (ACR)	90
057	ED-97 January 00	- Interim Technical Performance Statement for EGNOS / WAAS Airborne Equipment	90
058	ED-98B September 12	- User Requirements for Terrain And Obstacle Data	180

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			Electronic Version
059	ED-99D October 15	- User Requirement for Aerodrome Mapping Information	280
060	ED-100A April 05	- Interoperability Requirements for ATS Applications using Arinc 622 Data Communications	175
061	ED-102A December 09	- MOPS for 1090 MHz Extended Squitter Automatic Dependant Surveillance – Broadcast (ADS-B) & Traffic Information Services – Broadcast (TIS-B) with Corrigendum 1	500
062	Corrigendum 1 for ED-102A January 12	- Corrigendum 1 for ED-102A	70
063	ED-103 July 01	- MOPS for Inflight Icing Detection Systems	90
064	ED-104A June 03	- MOPS for Ground Ice Detection Systems	95
065	ED-105A July 13	- Aircraft Lightning Test Method	70
066	ED-106A March 04	- Data Link Application System Document (DLASD) for “Oceanic Clearance” (OCL) Datalink service	90
067	ED-107A July 10	- Guide to certification of Aircraft in a High Intensity Radiated Field (HIRF) Environment	150
068	ED-108A September 05	- MOPS for VDL Mode 4 Aircraft Transceiver (presented in 2 parts)	165
069	ED-109A January 12	- Software Integrity Assurance Considerations for Communication, Navigation, Surveillance and Air Traffic Management (CNS/ATM) Systems	250
070	ED-110B December 07	- Interoperability Requirements Standard for Aeronautical Telecommunication Network Baseline 1 (Interop ATN B1)	195
071	ED-110B Change 1 March 14	- Interoperability Requirements Standard for Aeronautical Telecommunication Network Baseline 1 (Interop ATN B1)	50
072	ED-111 July 02	- Functional specifications for CNS/ATM Recording ➤ Including Amendment N°1 – 30 July 2003	80
073	ED-112A September 13	- MOPS for Crash Protected Airborne Recorder Systems	230
074	ED-113 September 02	- Aircraft Lightning Direct Effects Certification	80
075	ED-114A March 13	- MOPS for Global Navigation Satellite Ground Based Augmentation System Ground Equipment to Support Category I Operations	190
076	ED-115 August 02	- MOPS for Light Aviation Secondary Surveillance Radar Transponders	95
077	ED-116 January 04	- MOPS for Surface Movement Radar Sensor Systems for Use in A-SMGCS	105
078	ED-117A September 16	- MOPS for Mode S Multilateration Systems for Use in Advanced Surface Movement Guidance and Control Systems (A-SMGCS)	205
079	ED-118 November 03	- Report on electromagnetic compatibility between passenger carried Portable Electronic Devices (PEDs) and Aircraft Systems	120
080	ED-119B September 11	- Interchange Standards for Terrain, Obstacle, and Aerodrome Mapping Data	240
081	ED-120 May 04	- Safety and Performance Requirements Standard For Initial Air Traffic Data Link Services In Continental Airspace (SPR IC)	175
082	ED-120 Change 1 April 07	- Change 1 – Safety and Performance Requirements Standard For Initial Air Traffic Data Link Services In Continental Airspace (SPR IC)	45
083	ED-120 Change 2 October 07	- Change 2 – Safety and Performance Requirements Standard For Initial Air Traffic Data Link Services In Continental Airspace (SPR IC)	45
084	ED-121 September 04	- MOPS for Trolleys, Containers and Associated Equipment Components	105
085	ED-122 December 07	- Safety and Performance Standard for Air Traffic Data Link Services in Oceanic and Remote Airspace (Oceanic SPR Standard)	175
086	ED-122 Change 1 February 11	Change 1- Safety and Performance Standard for Air Traffic Data Link Services in Oceanic and Remote Airspace (Oceanic SPR Standard)	80
087	ED-123 March 05	- MOPS for Flight Deck Door Monitoring System	80
088	ED-124 June 07	- Integrated Modular Avionics (IMA) Development, Guidance and Certification Consideration	130
089	ED-125 March 10	- Process for Specifying Risk Classification Scheme and Deriving Safety Objectives in ATM	130
090	ED-126 December 06	- Safety, Performance and Interoperability Requirements Document for ADS-B-NRA Application	220

091	ED-128 <i>October 07</i>	- Guidelines for Surveillance Data Fusion in Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Levels 1 and 2	110
092	ED-129B <i>March 16</i>	- Technical Specification for a 1090 MHz Extended Squitter ADS-B Ground System	250
093	ED-130 <i>December 06</i>	- Guidance for the Use of Portable Electronics Devices (PEDs) on Board Aircraft	130
094	ED-133 <i>June 09</i>	- Flight Object Interoperability Specification	155
095	ED-136 <i>February 09</i>	- Voice over Internet Protocol (VoIP) Air Traffic Management (ATM) System Operational and Technical Requirements	95
096	ED-137B January 12	- Interoperability Standards for VoIP ATM Components (Volume 1: Radio - Volume 2: Telephone - Volume 3: European Legacy Telephone Interworking- Volume 4: Recording - Volume 5: Supervision)	250
097	ED-137/1B January 12	- Interoperability Standards for VoIP ATM Components Part 1: Radio	60
098	ED-137/2B January 12	- Interoperability Standards for VoIP ATM Components Part 2: Telephone	60
099	ED-137/3B January 12	- Interoperability Standards for VoIP ATM Components Part 3: European Legacy	60
100	ED-137/4B January 12	- Interoperability Standards for VoIP ATM Components Part 4: Recording	60
101	ED-137/5B January 12	- Interoperability Standards for VoIP ATM Components Part 5: Supervision	60
102	ED-138 <i>February 09</i>	- Network Requirements and Performances for Voice over Internet Protocol (VoIP) Air Traffic Management (ATM) Systems (Part 1: Network Specification – Part 2: Network Design Guideline)	130
103	ED-140 <i>March 13</i>	- MOPS for Air Data Modules	130
104	ED-141 <i>October 08</i>	- Minimum Technical Specifications for Airport Collaborative Decision Making (Airport-CDM) Systems	120
105	ED-142 <i>September 10</i>	- Technical Specification for Wide Area Multilateration (WAM) Systems	130
106	ED-143 <i>September 08</i>	- Volume I : Minimum Operational Performance Standards for Traffic Alert and Collision Avoidance System II (TCAS II) - Volume II : TCAS II Collision Avoidance System (CAS) Requirements Specification - Attachment A to Volume II	350
107	ED-143 Change 1 <i>April 09</i>	- Minimum Operational Performance Standards For Traffic Alert and Collision Avoidance	70
108	ED-143 Change 2 <i>April 13</i>	- Minimum Operational Performance Standards For Traffic Alert And Collision Avoidance System II (TCAS II) Version 7.1	70
109	ED-144 <i>October 07</i>	- High-Level Performance Requirements for a Global Navigation Satellite System / Ground Based Augmentation System to Support Precision Approach Operations	80
110	ED-145 <i>October 08</i>	- Airport-CDM Interface Specification	120
111	ED-146 <i>October 08</i>	- Guidelines for Test and Validation Related to Airport CDM Interoperability	120
112	ED-147 <i>January 13</i>	- ATM Validation Platforms Interoperability Specification	250
113	ED-151 <i>December 07</i>	- Operational Services and Environment Definition (OSED) for Aeronautical Information Services (AIS) and Meteorological (MET) Data Link Services	110
114	ED-152 <i>June 10</i>	- Aircraft Precipitation Static Certification	90
115	ED-153 <i>August 09</i>	- Guidelines for ANS Software Safety Assurance	240
116	ED-154A <i>March 12</i>	- Future Air Navigation System 1/A (FANS 1/A) – Aeronautical Telecommunications Network (ATN) Interoperability Standard	275
117	ED-155 <i>July 09</i>	- MOPS Lightweight Flight Recording Systems	130
118	ED-156A <i>March 10</i>	- ADS-B Application Interoperability Requirements for VDL Mode 4	90
119	ED-159 <i>July 08</i>	- Safety, Performance and Interoperability Requirements Document for ATSA-ITP Application (Including Supplement of July 2012)	260
120	Supplement for ED-159 <i>July 12</i>	- Safety, Performance and Interoperability Requirements Document for the In-Trail Procedure in Oceanic Airspace (ATSA-ITP) Application	0
121	ED-160 <i>December 08</i>	- Safety, Performance and Interoperability Requirements Document for Enhanced Visual Separation on Approach (ATSA-VSA)	130
122	ED-161 <i>September 09</i>	- Safety, Performance and Interoperability Requirements Document for ADS-B-RAD Application	230
123	ED-163 <i>December 10</i>	- Safety, Performance and Interoperability Requirements Document for ADS-B Airport Surface Surveillance Application (ADS-B-APT)	250

124	ED-164 March 10	- Safety, Performance and Interoperability Requirements Document for Enhanced Traffic Situational Awareness During Flight Operations (ATSA-AIRB)	280
125	ED-165 December 10	Safety, Performance and Interoperability Requirements Document for ATSA-SURF Application	250
126	ED-175 January 11	- Safety and Performance requirements (SPR) for Aeronautical Information Services (AIS) and Meteorological (MET) Data Link Services	160
127	ED-179B September 11	- MASP for Enhanced Vision Systems, Synthetic Vision Systems, Combined Vision Systems and Enhanced Flight Vision Systems	210
128	ED-181 September 10	- Guidance for the Development of Airborne Collision Avoidance Systems	130
129	ED-194A June 14	- Minimum Operational Performance Standards (MOPS) for Aircraft Surveillance Applications (ASA) System (Including Supplement)	500
130	ED-195A September 15	- Safety, Performance and Interoperability Requirements Document for Airborne Spacing Flight-deck Interval Management (ASPA-FIM)	435
131	ED-201 December 15	- Aeronautical Information System Security (AISS) Framework Guidance	150
132	ED-202A June 14	- Airworthiness Security Process Specification	150
133	ED-203 September 15	- Airworthiness Security Methods and Considerations	150
134	ED-204 June 14	- Information Security Guidance for Continuing Airworthiness	100
135	ED-215 January 12	- Software Tool Qualification Considerations	215
136	ED-216 January 12	- Formal Methods supplement to ED-12C and ED-109A	215
137	ED-217 January 12	- Object-Oriented Technology and Related Techniques Supplement to ED-12C and ED-109A	215
138	ED-218 January 12	- Model-Based development and verification supplement to ED-12C and ED-109A	215
139	ED-219 February 13	- Aircraft Fuel Cell Safety Guidelines	130
140	ED-220 March 13	- Guidelines for the Verification and Validation of AMDB ASRN for Routing Applications	110
141	ED-221A December 15	- Minimum Operational Performance Standards (MOPS) for Traffic Alert and Collision Avoidance System II (TCAS II) Hybrid Surveillance	250
142	ED-222 November 13	- Aeronautical Mobile Airport Communications System (AeroMACS) profile	75
143	ED-223 October 13	- Minimum Operational Performance Standards (MOPS) for the Aeronautical Mobile Airport Communication System (AeroMACS)	100
144	ED-224 March 14	- MASPS for Flight Guidance System (FGS) Coupled to Traffic Alert and Collision Avoidance System (TCAS)	140
145	ED-225 February 16	- Ice and Rain Minimum Qualification Standards for Pitot and Pitot-Static Probes	190
146	ED-227 September 16	- Minimum Aviation System Performance Standards (MASPS) AeroMACS	350
147	ED-228A March 16	- Safety and Performance Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 SPR Standard)	370
148	ED-229A March 16	- Interoperability Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 Interop Standard)	300
149	ED-230A March 16	- Interoperability Requirements Standard for Baseline 2 ATS Data Communications, FANS 1/A Accommodation (FANS 1/A – Baseline 2 Interop Standard)	180
150	ED-231A March 16	- Interoperability Requirements Standard for Baseline 2 ATS Data Communications, ATN Baseline 1 Accommodation (ATN Baseline 1 - Baseline 2 Interop Standard)	180
151	ED-232 June 14	- Safety, Performance and Interoperability Requirements document for Traffic Situation Awareness with Alerts (TSAA)	200
152	ED-233 June 14	- Safety and Performance Requirements document for CDTI Assisted Visual Separation (CAVS)	200
153	ED-234 January 15	- User Guide Supplement to ED-14G	130
154	ED-235 February 16	- MASPS for Foreign Object Debris Detection System	215
155	ED-236 November 15	- Minimum Operational Performance Standards (MOPS) for Flight-deck Interval Management (FIM)	375
156	ED-237 February 16	- MASPS for Criteria to detect In-Flight Aircraft Distress Events to trigger Transmission of Flight Information	245
157	ED-240 September 16	- Minimum Aviation System Performance Specification for Remote Tower Optical Systems	140
158	ER-001 September 11	- Evaluation of a Proposal to Replace the TCAS RA “Adjust Vertical Speed” With “Level-Off”	75

159	ER-002 <i>February 10</i>	- Policy Guidance for Fuel Tank Structural Lightning Protection Policy	0
160	ER-003 <i>May 13</i>	- Definition and Taxonomy for Foreign Object Debris	50
161	ER-004 <i>November 10</i>	- A Concept for UAS Airworthiness Certification and Operational Approval	480
162	ER-005 <i>June 12</i>	- Contiguous Aircraft/System Development Process Example	100
163	ER-006 <i>October 14</i>	- Intermediate Guidance Material for Compliance Demonstration related to Lightning Protection of Fuel Tank Structure 25.981 requirements	60
164	ER-007 <i>June 12</i>	- Recommendations for revision of ED-78A	100
165	ER-009 <i>December 12</i>	- Guidance Material for the Generation of Aerodrome Mapping Databases	0
166	ER-010 <i>July 13</i>	- UAS / RPAS Airworthiness Certification - "1309" System Safety Objectives and Assessment Criteria	0
167	ER-011 <i>November 13</i>	- Validation of the FGS Coupled to TCAS MASPS Requirements	25
168	ER-012 <i>June 15</i>	- Command, Control and ATC Communications Operational Concept (C3 CONOPS) for Remotely Piloted Aircraft Systems (RPAS)	100
169	ER-013 <i>December 15</i>	- Aeronautical Information System Security Glossary	0
170	ER-014 <i>April 16</i>	- Light Remotely Piloted Aircraft Systems (LRPAS) Visual Line of Sight (VLOS) Operations Guidance material for Regulators and Operators	100

Abbreviations:

MPS	(Minimum Performance Specification)
MOPR	(Minimum Operational Performance Requirements)
MOPS	(Minimum Operational Performance Specification)
MASPS	(Minimum Aviation System Performance Specification)