



# Standards

An existing Standard relevant to the European ATM System

Title	Description	Status	Related Elements
Aviation Related Standards	-	-	
ATC Systems Standards	-	-	
ADEXP	-	Existing Standard	
AMAN-DMAN Coupling (FT-11)?	-	Existing Standard	
ARES Activation/De-Activation Services (FT-9)?	-	Existing Standard	
ATCFlightObjectControl, SharedFlightObject (FT-3)	-	Existing Standard	
Air Traffic Flow and Capacity Management Users Manual	-	Existing Standard	
AircraftETAMinMax Service, AircraftTrajectoryService (FT-12)?	-	Existing Standard	
CFMU Flight Progress Messages (URB/USD/MSG_INTF) V1.9	-	Existing Standard	
EUROCAE ED-110B	EUROCAE Interoperability Standards for ATN Baseline 1, ED 110B - June 26, 2007.	Existing Standard	
EUROCAE ED-133	EUROCAE Flight Object Interoperability Specification, Ed 133.	Existing Standard	
EUROCONTROL Aeronautical Information Exchange Model (AIXM)	-	Existing Standard	
EUROCONTROL Specification for On-line Data Interchange	-	Existing Standard	
EUROCONTROL Standard for Surveillance Data Exchange, Part 12: Category 21 - ADS/B Messages. SUR.ET1.ST05.2000-STD-12-01	-	Existing Standard	
EUROCONTROL Standard for Surveillance Data Exchange, Part 4: Category 48 - Transmission of Monoradar Target Reports. SUR.ET1.ST05.2000-STD-04-01	-	Existing Standard	
EUROCONTROL Standard for Surveillance Data Exchange, Part 9: Category 62 - SDPS Track Messages. SUR.ET1.ST05.2000-STD-09-01	-	Existing Standard	
EUROCONTROL Weather Information Exchange Model (WXXM)	-	Existing Standard	
Integrated Initial Flight Plan Processing System Users Manual.	-	Candidate Standard	EN
NTP/IP V4	-	Existing Standard	
Winds Aloft Service (FT-17)?	-	Existing Standard	
i4D (FT-8)?	-	Existing Standard	
Aeronautical Information	-	-	
ARINC 618	Open standards for airport databases	Existing Standard	
EUROCAE ED-119	Interchange Standards for Terrain, Obstacle, and Aerodrome Mapping Data	Candidate Standard	EN
EUROCAE ED-175	Safety and Performance Requirements (SPR) for AIS and MET Data Link Services	Updated Standard	EN
EUROCAE ED-76/RTCA DO-200A	Standards for Processing Aeronautical Data	Existing Standard	
EUROCAE ED-77/RTCA DO-201A	Standards for Aeronautical Information	Existing Standard	
EUROCAE ED-98A/RTCA DO-276A	User requirements for Terrain and Obstacle Data	Existing Standard	
EUROCAE ED-99	User Requirement for Aerodrome Mapping Information	Candidate Standard	EN
EUROCONTROL SPEC-0146	Electronic Aeronautical Information Publication Edition 2.0	Existing Standard	
EUROCONTROL SPEC-0148	Data Assurance Levels	Existing Standard	
EUROCONTROL-SPEC-0151	Aeronautical Information Exchange edition 1.0	Existing Standard	
EUROCONTROL-SPEC-0152	Data Quality Requirements edition 1.0	Existing Standard	
EUROCONTROL-SPEC-0154	Origination of Aeronautical Data Volume 1 & 2 Edition 1.0	Existing Standard	
RTCA DO-272	User Requirements for Aerodrome Mapping Information	Existing Standard	
RTCA DO-291	INTERCHANGE STANDARDS FOR TERRAIN, OBSTACLE, AND AERODROME MAPPING DATA	Existing Standard	
Aircraft	-	-	
Baseline 2 ATS Data Communications standards	- ED-228: SPR - ED-229, 230, 231: Interop Baseline 2, FANS 1/A-Baseline 2, Baseline 1-Baseline 2	Existing Standard	
ED-102A: MOPS for 1090 MHz Extended Squitter ADS-B & TIS-B	-	Existing Standard	

Title	Description	Status	Related Elements
EUROCAE ED-103	Minimum Operational Performance Specification for Inflight Icing Detection Systems	Existing Standard	
EUROCAE ED-104	Minimum Operational Performance Specification for Ground Ice Detection Systems	Existing Standard	
EUROCAE ED-105	Aircraft Lightning Test Method	Existing Standard	
EUROCAE ED-107A	Guide to certification of Aircraft in a High Intensity Radiated Field (HIRF) Environment	Existing Standard	
EUROCAE ED-112	Minimum Operational Performance Specification for Crash Protected Airborne Recorder Systems...	Existing Standard	
EUROCAE ED-113	Aircraft Lightning Direct Effects Certification	Existing Standard	
EUROCAE ED-118	Report on electromagnetic compatibility between passenger carried Portable Electronic Devices...	Existing Standard	
EUROCAE ED-124	Integrated Modular Avionics (IMA) Development, Guidance and Certification Consideration	Existing Standard	
EUROCAE ED-143	Volume I : Minimum Operational Performance Standards for Traffic Alert and Collision Avoidance...	Existing Standard	
EUROCAE ED-152	Aircraft Precipitation Static Certification	Existing Standard	
EUROCAE ED-155	Minimum Operational Performance Specification Lightweight Flight Recording Systems	Existing Standard	
EUROCAE ED-179B	Update of minimum performance standard for airborne head-up display for Enhanced Vision (EV)	Existing Standard	
EUROCAE ED-180	-	Updated Standard	<b>EN</b>
EUROCAE ED-181	Guidance for the Development of Airborne Collision Avoidance Systems	Existing Standard	
EUROCAE ED-22B	Minimum Performance Specification for airborne VOR receiving equipment	Existing Standard	
EUROCAE ED-42	Minimum Performance Specification for fuel flowmeter systems to aircraft standards	Existing Standard	
EUROCAE ED-43	Minimum Operational Performance Requirements for the SSR transponder and the altitude measurement...	Existing Standard	
EUROCAE ED-46B	Minimum Operational Performance Specification for airborne ILS localizer receiving equipment...	Existing Standard	
EUROCAE ED-47B	Minimum Operational Performance Specification for airborne ILS glide path receiving equipment...	Existing Standard	
EUROCAE ED-51	Minimum Performance Specification for airborne automatic direction finding equipment - Including...	Existing Standard	
EUROCAE ED-58	Minimum Operational Performance Specification for area navigation equipment using multi-sensor...	Existing Standard	
EUROCAE ED-62A	Minimum Operational Performance Specification for aircraft emergency locator transmitters (406...	Existing Standard	
EUROCAE ED-67	Minimum Operational Performance Specification for devices that prevent unintentional or...	Existing Standard	
EUROCAE ED-68	Minimum Operational Performance Specification for devices that prevent simultaneous transmissions	Existing Standard	
EUROCAE ED-72A	Minimum Operational Performance Specification for airborne GPS receiving equipment used for...	Existing Standard	
EUROCAE ED-73E	Minimum Operational Performance Specification for Secondary Surveillance Radar Mode S Transponders	Existing Standard	
EUROCAE ED-74	Minimum Operational Performance Specification for combined ILS and MLS airborne receiving...	Existing Standard	
EUROCAE ED-79A	Guidelines for Development of Civil Aircraft and Systems	Existing Standard	
EUROCAE ED-81	Certification of Aircraft Electrical/Electronic Systems for the Indirect Effects of Lightning ...	Existing Standard	
EUROCAE ED-82A	Minimum Operational Performance Specification for Mode S Aircraft Data Link Processors	Existing Standard	
EUROCAE ED-83	Recommendations on Ground Collision Avoidance Systems	Existing Standard	
EUROCAE ED-84	Aircraft Lightning Environment and Related Test Waveforms Standard - Including Amendment N°3	Existing Standard	
EUROCAE ED-91	Aircraft Lightning Zoning Standard - Including Amendment N°2	Existing Standard	
EUROCAE ED-96	Requirements Specification for an Avionics Computer Resource (ACR)	Existing Standard	
IATA Aircraft Types 8803	IATA Aircraft Types 8803	Existing Standard	

Title	Description	Status	Related Elements
RTCA DO-144A	Minimum Operational Characteristics-Airborne ATC Transponder Systems	Existing Standard	
RTCA DO-160G	Environmental Conditions and Test Procedures for Airborne Equipment	Existing Standard	
RTCA DO-161A	Minimum Operational Performance Standards - Airborne Ground Proximity Warning System	Existing Standard	
RTCA DO-178C	Software Considerations in Airborne Systems and Equipment Certification	Existing Standard	
RTCA DO-181E	Minimum Operational Performance Standards for Air Traffic Control Radar Beacon System/Mode Select...	Existing Standard	
RTCA DO-185B	Minimum Operational Performance Standards for Traffic Alert and Collision Avoidance System II...	Existing Standard	
RTCA DO-189	Minimum Operational Performance Standards for Airborne Distance Measuring Equipment (DME)...	Existing Standard	
RTCA DO-192	Minimum Operational Performance Standards for Airborne ILS Glide Slope Receiving Equipment...	Existing Standard	
RTCA DO-195	Minimum Operational Performance Standards for Airborne ILS Localizer Receiving Equipment...	Existing Standard	
RTCA DO-196	Minimum Operational Performance Standards for Airborne VOR Receiving Equipment Operating Within...	Existing Standard	
RTCA DO-208	Minimum Equipment Performance Standards (Mops) for Airborne Supplemental Navigation Equipment...	Existing Standard	
RTCA DO-218B	Minimum Operational Performance Standards for the Mode S Airborne Data Link Processor	Existing Standard	
RTCA DO-228	Minimum Operational Performance Standards for Global Navigation Satellite Systems (GNSS) Airborne...	Existing Standard	
RTCA DO-229D	Minimum Operational Performance Standards for Global Positioning System/Wide Area Augmentation...	Existing Standard	
RTCA DO-253C	Minimum Operational Performance Standards for Global Positioning System/Local Area Augmentation...	Existing Standard	
RTCA DO-254/EUROCAE ED-80	Design Assurance Guidelines for Airborne Electronic Hardware	Existing Standard	
RTCA DO-263	Application of Airborne Conflict Management: Detection, Prevention, & Resolution	Existing Standard	
RTCA DO-297	Integrated Modular Avionics (IMA) Development Guidance and Certification Requirements	Existing Standard	
RTCA DO-301	Minimum Operational Performance Standards for Global Navigation Satellite System (GNSS) Airborne...	Existing Standard	
RTCA DO-310	Minimum Operating Performance Standards for GPS-Based Regional Augmentation Airborne Equipment	Existing Standard	
SAE ARP4761	Aerospace Recommended Practice - Guidelines and Method for Conducting Safety Assessment Process...	Existing Standard	
Airport	-	-	
EUROCONTROL ASTERIX (ASTERIX 1/2 ASTERIX 34/48 ASTERIX 62/63)	-	Existing Standard	
EUROCONTROL ASTERIX (ASTERIX 10)	-	Existing Standard	
EUROCONTROL ASTERIX (ASTERIX 10/19 ASTERIX 20)	-	Existing Standard	
EUROCONTROL ASTERIX (ASTERIX 21/23)	-	Existing Standard	
EUROCONTROL ASTERIX (ASTERIX 62/ASTERIX 11)	-	Existing Standard	
Proprietary protocols	-	Existing Standard	
Airspace and Procedures	-	-	
EUROCONTROL EUROAT	-	Candidate Standard	EN
EUROCONTROL-SPEC-0112	Update ICAO PANS OPS to include ADS-C In-Trail Procedures	Existing Standard	
ICAO Annex 6 update 2D-3D	Refine Terms Non-precision, Approach and Vertical Guidance, Precision Approach and Landing...	Existing Standard	
ICAO Annex 6 update ILS	Redefine the Terms Category I, II and III Operations to Allow for Category II Operations on Type...	Existing Standard	
ICAO Annex 6 update RVSM	Update or Amend to Progress RVSM Long-Term Monitoring Standards	Existing Standard	
ICAO Annex 6 update Speed Variations	Update or Amend to Decrease Speed Variations	Existing Standard	
ICAO Doc 8168	Update ICAO PANS OPS with ADS-B Separation Standards	Updated Standard	EN
ICAO Doc 9931	-	Candidate Standard	EN
SAE AIR 5715	Aerospace Information Reports (AIR)	Existing Standard	

Title	Description	Status	Related Elements
Communication	-	-	
EUROCAE ED-100	Interoperability Requirements for ATS Applications using ARINC 622 Data Communications	Existing Standard	
EUROCAE ED-106A	Data Link Application System Document (DLASD) for 'Oceanic Clearance' (OCL) Datalink service	Existing Standard	
EUROCAE ED-108A	Minimum Operational Performance Specification for VDL Mode 4 Aircraft Transceiver (presented in 2...	Existing Standard	
EUROCAE ED-120	Safety and Performance Requirements Standard For Initial Air Traffic Data Link Services In...	Existing Standard	
EUROCAE ED-122	Safety and Performance Standard for Air Traffic Data Link Services in Oceanic and Remote Airspace...	Existing Standard	
EUROCAE ED-133A	ATC-ATC flight data exchange updated following validation results	Candidate Standard	EN
EUROCAE ED-136	Voice over Internet Protocol (VoIP) Air Traffic Management (ATM) System Operational and Technical...	Candidate Standard	EN
EUROCAE ED-137B	Interoperability Standards for VoIP ATM Components (Part 1: Radio - Part 2: Telephone - Part 3:...	Candidate Standard	EN
EUROCAE ED-138	Network Requirements and Performances for Voice over Internet Protocol (VoIP) Air Traffic...	Candidate Standard	EN
EUROCAE ED-156A	ADS-B Application Interoperability Requirements for VDL Mode 4	Existing Standard	
EUROCAE ED-223	Minimum Operational Performance Standards (Mops) for the Aeronautical Mobile Airport...	Candidate Standard	EN
EUROCAE ED-228	Safety and Performance Standard for Baseline 2 ATS Data Communications (Baseline 2 SPR Standard)	Updated Standard	EN
EUROCAE ED-229	Interoperability Requirements Standard for Baseline 2 ATS Data Communications (Baseline 2 Interop...	Updated Standard	EN
EUROCAE ED-230	Interoperability Requirements Standard for Baseline 2 ATS Data Communications, FANS 1/A Accomodation	Updated Standard	EN
EUROCAE ED-231	Interoperability Requirements Standard for Baseline 2 ATS Data Communications, ATN Standard Baseline 1	Updated Standard	EN
EUROCAE ED-85A	Data-Link Application System Document (DLASD) for 'Departure Clearance' Data-Link Service	Existing Standard	
EUROCAE ED-89A	Data Link Application System Document (DLASD) for the 'ATIS' Data Link Service	Existing Standard	
EUROCAE ED-90B	Radio frequency susceptibility Test procedures	Existing Standard	
EUROCAE ED-92B	Minimum Operational Performance Specification for an Airborne VDL Mode-2 System Operating in the...	Candidate Standard	EN
EUROCAE ED-93	Minimum Aviation System Performance Specification for CNS/ATM message recording systems...	Existing Standard	
EUROCONTROL-SPEC-0100	Flight Message Transfer Protocol edition 2.0	Existing Standard	
EUROCONTROL-SPEC-136	Air Traffic Services Message Handling System Edition 2.0	Existing Standard	
EUROCONTROL-SPEC-153	EUROCONTROL Specification for the use of the Centralised Mode S Interrogator Code Allocation...	Existing Standard	
ICAO Annex 10	Ensure Automated Data Exchanges between AOC and Dispatch with ANSP is Included	Candidate Standard	EN
ICAO Doc 10037	-	Updated Standard	
ICAO Doc 10044	-	Candidate Standard	
ICAO Doc 7030	Regional Supplementary Procedures.	Existing Standard	
ICAO Doc 8259	Manual on the Planning and Engineering of the Aeronautical Fixed Telecommunication Network	Existing Standard	
ICAO Doc 9694	Manual of Air Traffic Services Data Link Applications.	Existing Standard	
ICAO Doc 9705 AN/956	Manual of Technical Provisions for the Aeronautical Telecommunication Network	Existing Standard	
ICAO Doc 9739	Comprehensive Aeronautical Telecommunication Network (ATN) Manual	Existing Standard	
ICAO Doc 9741	Manual on HF Data Link	Existing Standard	
ICAO Doc 9776	Manual on Vhf Digital Link (VDL) Mode 2	Existing Standard	
ICAO Doc 9804	Manual on Air Traffic Services (ATS) Ground-To-Ground Voice Switching and Signalling	Existing Standard	
ICAO Doc 9805	Manual on Vhf Digital Link (VDL) Mode 3	Existing Standard	
ICAO Doc 9816	Manual on Vhf Digital Link (VDL) Mode 4	Existing Standard	

Title	Description	Status	Related Elements
ICAO Doc 9869	-	Updated Standard	EN
ICAO Doc 9880	-	Updated Standard	
ICAO Doc 9896	Manual on the Aeronautical Telecommunication Network (ATN) Using Internet Protocol Suite (IPS)...	Updated Standard	EN
ICAO Doc 9925	-	Updated Standard	EN
IEEE Std 802.16	-	Candidate Standard	EN
New ICAO document ATN	Develop Detailed Technical Specifications for Aeronautical Telecommunications Network (ATN) Using...	Existing Standard	EN
RTCA COCR	Communications Operating Concept and Requirements (COCR) for the Future Radio System (FRS)...	Existing Standard	
RTCA DO-136	Universal Air-Ground Digital Communications Systems Standards	Existing Standard	
RTCA DO-163	Minimum Performance Standards-Airborne HF Radio Communications Transmitting and Receiving...	Existing Standard	
RTCA DO-186B	Minimum Operational Performance Standards for Airborne Radio Communications Equipment	Existing Standard	
RTCA DO-210D	Minimum Operational Performance Standards for Geosynchronous Orbit AMSS Avionics	Existing Standard	
RTCA DO-215A	Guidance on Aeronautical Mobile Satellite Service (AMSS) End-To-End System Performance	Existing Standard	
RTCA DO-219	Minimum Operational Performance for ATC Two-Way Data Link Communications	Existing Standard	
RTCA DO-224B	Signal-In-Space Minimum Aviation System Performance Standards (MASPS) for Advanced Vhf Digital...	Existing Standard	
RTCA DO-231	Design Guidelines and Recommended Standards for the Implementation and Use of AMS(R)S Voice...	Existing Standard	
RTCA DO-238	Human Engineering Guidance for Data Link Systems	Existing Standard	
RTCA DO-240	Minimum Operational Performance Standards for Aeronautical Telecommunication Network (ATN) Avionics	Existing Standard	
RTCA DO-250	Guiding Principles for Air Traffic Services Provided Via Data Communications Utilizing the ATN...	Existing Standard	
RTCA DO-256	Minimum Human Factors Standards for Air Traffic Services Provided Via Data Communications...	Existing Standard	
RTCA DO-258A	Interoperability Requirements for ATS Applications Using ARINC 622 Data Communications	Existing Standard	
RTCA DO-264/EUROCAE ED-78A	Guidelines for Approval of the Provision and Use of Air Traffic Services Supported By Data...	Existing Standard	
RTCA DO-265	Minimum Operational Performance Standards for Aeronautical Mobile High Frequency Data Link (HF DL)	Existing Standard	
RTCA DO-269	Concepts for Services Integrating Flight Operations and Air Traffic Management Using Addressed...	Existing Standard	
RTCA DO-270	Minimum Aviation System Performance Standards (MASPS) for the Aeronautical Mobile-Satellite (R)...	Existing Standard	
RTCA DO-271C	Minimum Operational Performance Standards for Aircraft VDL Mode 3 Transceiver Operating in the...	Existing Standard	
RTCA DO-277	Minimum Aviation System Performance Standards (MASPS) for the High Frequency Data Link Operating...	Existing Standard	
RTCA DO-280B/ EUROCAE ED-110B	Interoperability Requirements Standard for ATN Baseline 1 (Interop ATN B1)	Existing Standard	
RTCA DO-281A	Minimum Operational Performance Standards for Aircraft VDL Mode 2 Physical Link and Network Layer	Existing Standard	
RTCA DO-287	Plans and Principles for the Implementation of Aeronautical Data Link System (ADLS) Edition 1....	Existing Standard	
RTCA DO-290	Safety and Performance Requirements Standard for Air Traffic Data Link Services in Continental...	Existing Standard	
RTCA DO-296	Safety Requirements for Aeronautical Operational Control (AOC) Data link Messages	Existing Standard	
RTCA DO-305/EUROCAE ED-154A	Future Air Navigation System 1/A (FANS 1/A) - Aeronautical Telecommunication Network (ATN)...	Existing Standard	
RTCA DO-306	Safety and Performance Standard for Air Traffic Data Link Services in Oceanic and Remote Airspace...	Existing Standard	
STANAG 3809	NATO Digital Terrain Elevation Data (DTED) Exchange Format	Existing Standard	

Title	Description	Status	Related Elements
STANAG 5501	NATO Digital Data Link - Link 1 (point-to-point)	Existing Standard	
STANAG 5511	NATO Tactical Data Exchange - Link 11/11B	Existing Standard	
STANAG 5516	NATO Tactical Data Exchange - Link 16	Existing Standard	
STANAG 5522	NATO Tactical Data Link - Link 22 Main Body	Existing Standard	
EATMA Automation	-	-	
International Flight Object Standard	Draft International Flight Object Standard	Existing Standard	
S-LITE	Stars Local Integrated Terminal Equipment (Lite)	Existing Standard	
TMPA-0040-014/a	D_Brite Internal Interface Document (IID)	Existing Standard	
General	-	-	
ATM Lexicon	EUROCONTROL ATM Lexicon	Existing Standard	
ECAC Doc.29	Report on Standard Method of Computing Noise Contours around Civil Airports	Existing Standard	
EUROCAE ED 145	Airport-CDM Interface Specification	Existing Standard	
EUROCAE ED 146	Guidelines for Test and Validation Related to Airport CDM Interoperability	Existing Standard	
EUROCAE ED-111	Functional specifications for CNS/ATM Recording - Including Amendment N°1	Existing Standard	
EUROCAE ED-12C	Software Considerations in Airborne Systems and Equipment Certification	Existing Standard	
EUROCAE ED-141	Minimum Technical Specifications for Airport Collaborative Decision Making (Airport-CDM) Systems	Existing Standard	
EUROCAE ED-147	ATM Validation Platforms Interoperability Specification	Existing Standard	
EUROCAE ED-159	Safety, Performance and Interoperability Requirements Document for ATSA-ITP Application...	Existing Standard	
EUROCAE ED-160	Safety, Performance and Interoperability Requirements Document for Enhanced Visual Separation on...	Existing Standard	
EUROCAE ED-161	Safety, Performance and Interoperability Requirements Document for ADS-B-RAD Application	Existing Standard	
EUROCAE ED-163	Safety, Performance and Interoperability Requirements Document for ADS-B Airport Surface...	Existing Standard	
EUROCAE ED-164	Safety, Performance and Interoperability Requirements Document for Enhanced Traffic Situational...	Existing Standard	
EUROCAE ED-165	Safety, Performance and Interoperability Requirements Document For ATSA-SURF Application	Existing Standard	
EUROCAE ED-18	Audio systems characteristics and Minimum Performance Specification covering microphones (except...	Existing Standard	
EUROCAE ED-195	Safety, Performance and Interoperability Requirements Document for Airborne Spacing - Flight Deck...	Candidate Standard	
EUROCAE ED-202	Airworthiness Security Process Specification	Candidate Standard	EN
EUROCAE ED-215	Software Tool Qualification Considerations	Existing Standard	
EUROCAE ED-216	Formal Methods supplement to ED-12C and ED-109A	Existing Standard	
EUROCAE ED-217	Object-Oriented Technology and Related Techniques Supplement to ED-12C and ED-109A	Existing Standard	
EUROCAE ED-218	Model-Based development and verification supplement to ED-12C and ED-109A	Existing Standard	
EUROCAE ED-94C	Supporting Information for ED-12C and ED-109A	Existing Standard	
EUROCONTROL-GUID-137	EUROCONTROL Guidelines on conformity assessment for the interoperability Regulation of the Single...	Existing Standard	
EUROCONTROL-SPEC-0101	EUROCONTROL Specification for the Initial Flight Plan 1.0	Existing Standard	
ICAO Annex 1	Personnel Licensing	Existing Standard	
ICAO Annex 11	Air Traffic Services	Candidate Standard	EN
ICAO Annex 12	Search and Rescue	Existing Standard	
ICAO Annex 13	Aircraft Accident and Incident Investigation	Existing Standard	
ICAO Annex 14 Vol1 and Vol2	Aerodromes & Aerodrome Design and Operations	Candidate Standard	EN
ICAO Annex 15	Aeronautical Information Services	Existing Standard	
ICAO Annex 16, Vol. I	Environmental Protection & Aircraft Noise	Existing Standard	
ICAO Annex 16, Vol. II	Environmental Protection & Aircraft Engine Emissions	Existing Standard	
ICAO Annex 17	Security	Existing Standard	

Title	Description	Status	Related Elements
ICAO Annex 18	The Safe Transport of Dangerous Goods by Air	Existing Standard	
ICAO Annex 2	Rules of the Air	Existing Standard	
ICAO Annex 3	Meteorological Service for International Air Navigation	Existing Standard	
ICAO Annex 4	Aeronautical Charts	Existing Standard	
ICAO Annex 5	Units of Measurement to be Used in Air and Ground Operations	Existing Standard	
ICAO Annex 6, Part I	Operation of Aircraft ¿ International Commercial Air Transport - Aeroplanes	Existing Standard	
ICAO Annex 6, Part II	Operation of Aircraft ¿ International General Aviation - Aeroplanes	Existing Standard	
ICAO Annex 6, Part III	Operation of Aircraft ¿ International Operations - Helicopters	Existing Standard	
ICAO Annex 7	Aircraft Nationality and Registration Marks	Existing Standard	
ICAO Annex 8	Airworthiness of Aircraft	Existing Standard	
ICAO Annex 9	Facilitation	Existing Standard	
ICAO Doc 4444	Air Traffic Management	Updated Standard	EN
ICAO Doc 7910	Location Indicators	Existing Standard	
ICAO Doc 8126	Aeronautical Information Services Manual	Existing Standard	
ICAO Doc 8400	ICAO Abbreviations and Codes	Existing Standard	
ICAO Doc 8585	Designators for Aircraft Operating Agencies Aeronautical Authorities and Services	Existing Standard	
ICAO Doc 8618, Vol I	Aircraft Operations ¿ Flight Procedures	Existing Standard	
ICAO Doc 8618, Vol II	Aircraft Operations ¿ Construction of Visual and Instrument Flight Procedures	Existing Standard	
ICAO Doc 8643	Aircraft Type Designators	Existing Standard	
ICAO Doc 8697	Aeronautical Chart Manual	Existing Standard	
ICAO Doc 9328	Manual of Runway Visual Range Observing and Reporting Practices	Existing Standard	
ICAO Doc 9377	Manual on Coordination between Air Traffic Services, Aeronautical Information Services and...	Existing Standard	
ICAO Doc 9674	World Geodetic System ¿ 1984 (WGS-84) Manual	Existing Standard	
ICAO Doc 9691	Volcanic Ash, Radioactive Material and Toxic Chemical Clouds	Existing Standard	
ICAO Doc 9870	Manual on the Prevention of Runway Incursions	Existing Standard	
ICAO Doc 9881	Guidelines for Electronic Terrain, Obstacle and Aerodrome Mapping Information	Existing Standard	
ICAO Doc 9882	ATM System Requirements Supporting the Global Air Traffic Management Operational Concept	Existing Standard	
ICAO Doc 9883	Manual on Global Performance of the Air Navigation System	Existing Standard	
ICAO Doc 9889	Airport Air Quality Guidance Manual	Existing Standard	
ICAO Doc 9911	Recommended Method for Computing Noise Contours Around Airports	Existing Standard	
ICAO Doc.9854	Global Air Traffic Management Operational Concept	Existing Standard	
ICAO Doc.9855	Guidelines on the Use of the Public Internet for Aeronautical Applications	Existing Standard	
ICAO FPL 2012	ICAO Flight Plan 2012	Existing Standard	
INSPIRE	Infrastructure for Spatial Information in the European Community	Existing Standard	
RTCA DO-278/ EUROCAE ED-109A	Guidelines for Communications, Navigation, Surveillance, and Air Traffic Management (CNS/ATM)...	Existing Standard	
RTCA DO-278A/ EUROCAE ED-109A	Guidelines for Communications, Navigation, Surveillance, and Air Traffic Management (CNS/ATM)...	Existing Standard	
RTCA DO-332	Object Oriented Technology and Related Techniques Supplement to DO-178C and DO-278A	Existing Standard	
RTCA DO-333	Formal Methods Supplement to DO-178C and DO-278A	Existing Standard	
Navigation	-	-	
ARINC 424-A	Navigation System Database Standard	Existing Standard	
DOD GPS SPSPS	Global Positioning System Standard Positioning Service Performance Standard	Existing Standard	
EN 303 084	-	Candidate Standard	EN
EUROCAE ED-114	Minimum Operational Performance Specification for a Ground Based Augmentation System (GBAS)...	Candidate Standard	EN

Title	Description	Status	Related Elements
EUROCAE ED-144	High-Level Performance Requirements for a Global Navigation Satellite System / Ground Based...	Candidate Standard	
EUROCAE ED-36B	Minimum Operational Performance Specification for Microwave Landing System (MLS) Airborne...	Existing Standard	
EUROCAE ED-38	Minimum Performance Specification for airborne weather, ground mapping and assisted approach...	Existing Standard	
EUROCAE ED-39	Minimum Operational Performance Requirements for airborne area navigation systems based on two...	Existing Standard	
EUROCAE ED-40	Minimum Performance Specification for airborne computing equipment for area navigation system...	Existing Standard	
EUROCAE ED-54	Minimum Operational Performance Standards for Airborne Distance Measuring Equipment (DME)...	Existing Standard	
EUROCAE ED-75D	Minimum Aviation Systems Performance Standards: Required Navigation Performance for Area Navigation	Candidate Standard	EN
EUROCAE ED-88	Minimum Operational Performance Specification for Multi-Mode Airborne Receiver (MMR) including...	Candidate Standard	EN
EUROCAE ED-93-2	Minimum Aviation System Performance Specification for CNS/ATM message recording systems...	Existing Standard	
EUROCAE ED-95	Minimum Aviation System Performance Specification for a Global Navigation Satellite System Ground...	Existing Standard	
EUROCAE ED-97	Interim Technical Performance Statement for EGNOS / WAAS Airborne Equipment	Existing Standard	
GBAS/LAAS Std	Dual Frequency GBAS/LAAS Avionics	Existing Standard	
GNSS Std	Multi-Constellation GNSS Avionics	Existing Standard	
ICAO Doc 9613	Performance Based Navigation Manual, 3rd Edition	Updated Standard	EN
ICAO Doc 9849	Global Navigation Satellite System (GNSS) Manual	Existing Standard	
IS-GPS-200 RevD with IRN-200D-001	Navstar GPS Space Segment/Navigation User Interfaces	Existing Standard	
IS-GPS-705 with IRN-705-001,002,003	Navstar-GPS Space Segment/User Segment L5 Interfaces	Existing Standard	
RTCA DO-235B	Assessment of Radio Frequency Interference Relevant to the GNSS L1 Frequency Band	Existing Standard	
RTCA DO-236	Minimum Aviation System Performance Standards: Required Navigation Performance for Area Navigation	Candidate Standard	EN
RTCA DO-236B	Minimum Aviation System Performance Standards: Required Navigation Performance for Area Navigation	Existing Standard	
RTCA DO-245A	Minimum Aviation System Performance Standards for the Local Area Augmentation System (LAAS)	Existing Standard	
RTCA DO-246D	GNSS Based Precision Approach Local Area Augmentation System (LAAS) Signal-In-Space Interface...	Existing Standard	
RTCA DO-247	The Role of the Global Navigation Satellite System (GNSS) in Supporting Airport Surface Operations	Existing Standard	
RTCA DO-253C-1	Minimum Operational Performance Standards for Global Positioning System/Local Area Augmentation...	Existing Standard	
RTCA DO-261	Navstar GPS L5 Signal Specification	Existing Standard	
RTCA DO-283A	Minimum Operational Performance Standards for Required Navigation Performance for Area Navigation	Existing Standard	
RTCA DO-292	Assessment of Radio Frequency Interference Relevant to the GNSS L5/E5a Frequency Band	Existing Standard	
RTCA DO-301-1	Minimum Operational Performance Standards for Global Navigation Satellite System (GNSS) Airborne...	Existing Standard	
RTCA DO-310-1	Minimum Operating Performance Standards for GPS-Based Regional Augmentation Airborne Equipment	Existing Standard	
SBAS/WAAS Std	Dual Frequency SBAS/WAAS Avionics	Existing Standard	
Safety	-	-	-
EUROCAE ED-125	Process for Specifying Risk Classification Scheme and Deriving Safety Objectives in ATM	Existing Standard	
EUROCAE ED-126	Safety, Performance and Interoperability Requirements Document for ADS-B-NRA Application	Existing Standard	
EUROCAE ED-153	Guidelines for ANS Software Safety Assurance	Existing Standard	
EUROCAE ED-219	Aircraft Fuel Cell Safety Guidelines	Existing Standard	
ICAO Doc 9859 AN/460	ICAO Safety Management Manual (SMM)	Existing Standard	



Title	Description	Status	Related Elements
New ICAO document Operations	Develop an ICAO database for Operations Specifications Data	Existing Standard	
SAE ARP4761-1	Aerospace Recommended Practice - Guidelines and Method for Conducting Safety Assessment Process...	Existing Standard	
<b>Security</b>	-	-	
EN 16495 (2014)	Information security for organisations supporting civil aviation operations	Existing Standard	
EUROCAE ED-204	Information Security Guidance for Continuing Airworthiness	Candidate Standard	EN
<b>Surveillance</b>	-	-	
ECTL Standard SUR.ET1.ST05.2000-STD-01-01	ATS Data Exchange Presentation edition 3.1	Existing Standard	
EN 303 213	-	Candidate Standard	EN
EUROCAE ED-115	Minimum Operational Performance Specification for Light Aviation Secondary Surveillance Radar...	Existing Standard	
EUROCAE ED-116	Minimum Operational Performance Specification for Surface Movement Radar Sensor Systems for Use...	Existing Standard	
EUROCAE ED-117	Minimum Operational Performance Specification for Mode S Multilateration Systems for Use in...	Existing Standard	
EUROCAE ED-128	Guidelines for Surveillance Data Fusion in Advanced Surface Movement Guidance and Control Systems...	Existing Standard	
EUROCAE ED-129	Technical Specification for a 1090 MHz Extended Squitter ADS-B Ground Station	Existing Standard	
EUROCAE ED-142	Technical Specification for Wide Area Multilateration (WAM) Systems	Candidate Standard	EN
EUROCAE ED-194	Minimum Operational Performance Standards (Minimum Operational Performance Specification) for...	Existing Standard	
EUROCAE ED-23C	Minimum Operational Performance Specification for airborne VHF Receiver-Transmitter operating in...	Existing Standard	
EUROCAE ED-26	Minimum Performance Specification for airborne altitude measurements and coding systems...	Existing Standard	
EUROCAE ED-27	Minimum Operational Performance Requirements for airborne area navigation systems based on VOR...	Existing Standard	
EUROCAE ED-28	Minimum Performance Specification for airborne area navigation computing equipment based on VOR...	Existing Standard	
EUROCAE ED-30	Minimum Performance Specification for airborne low range radio (radar) altimeter equipment...	Existing Standard	
EUROCAE ED-52	Minimum Performance Specification for conventional and Doppler VHF omnirange (C VOR and D VOR)...	Existing Standard	
EUROCAE ED-53A	Minimum Operational Performance Specification for microwave landing system (MLS) (ground...	Existing Standard	
EUROCAE ED-57	Minimum Performance Specification for distance measuring equipment (DME/N and DME/P) (ground...	Existing Standard	
EUROCAE ED-87B	Minimum Aviation System Performance Specification for Advanced Surface Movement Guidance and...	Candidate Standard	EN
EUROCAE ED-87C	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Levels 1 and 2	Existing Standard	
EUROCAE ED-87D	MASPS for Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Levels 1 and 2	Candidate Standard	
EUROCAE ED-93-1	Minimum Aviation System Performance Specification for CNS/ATM message recording systems...	Existing Standard	
EUROCONTROL ASTERIX	Surveillance Data Exchange - Part 1 - All Purpose Structured EUROCONTROL Surveillance Information...	Existing Standard	
EUROCONTROL-SPEC-0106	On-Line Data Interchange edition 4.2	Existing Standard	
EUROCONTROL-SPEC-0147 Volume 1	EUROCONTROL Specification for ATM Surveillance System Performance (Volume 1) edition 1.0	Existing Standard	
EUROCONTROL-SPEC-0147 Volume 2	EUROCONTROL Specification for ATM Surveillance System Performance (Volume 2) edition 1.0	Existing Standard	
ICAO Doc 9476 w/Amdmt 1 & 2	Manual for Surface Movement Guidance and Control Systems (SMGCS)	Existing Standard	
ICAO Doc 9684	Manual on the Secondary Surveillance Radar (SSR) Systems.	Existing Standard	
ICAO Doc 9688 3rd Ed Ch. A1	Manual on Mode S Specific Services, 2nd Edition	Existing Standard	
RTCA DO-232	Operations Concepts for Data Link Applications of Flight Information Services	Existing Standard	
RTCA DO-239	Minimum Operational Performance Standards for Traffic Information Service (TIS) Data Link...	Existing Standard	

Title	Description	Status	Related Elements
RTCA DO-241	Operational Concepts and Data Elements Required to Improve Air Traffic Management (ATM)...	Existing Standard	
RTCA DO-242A	Minimum Aviation System Performance Standards for Automated Dependent Surveillance Broadcast (ADS-B)	Existing Standard	
RTCA DO-249	Development and Implementation Planning Guide for Automatic Dependent Surveillance Broadcast...	Existing Standard	
RTCA DO-260B/EUROCAE ED-102A	Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automated Dependent...	Existing Standard	
RTCA DO-263-1	Application of Airborne Conflict Management: Detection, Prevention, & Resolution	Existing Standard	
RTCA DO-267A	Minimum Aviation System Performance Standards (MASPS) for Flight Information Service - Broadcast...	Existing Standard	
RTCA DO-282B	Minimum Operational Performance Standards for Universal Access Transceiver (UAT) Automated...	Existing Standard	
RTCA DO-286B	Minimum Aviation System Performance Standards (MASPS) for Traffic Information Service - Broadcast...	Existing Standard	
RTCA DO-289 w/Chg 1	Minimum Aviation System Performance Standards for Aircraft Surveillance Applications (ASA) Change 1	Existing Standard	
RTCA DO-302	Minimum Operational Performance Standard for Surveillance Transmitting System (STS)	Existing Standard	
RTCA DO-303	Safety, Performance and Interoperability Requirements Document for the ADS-B Non-Radar Airspace...	Existing Standard	
Weather	-	-	
AWP - 4A	NATO Meteorological Codes Manual	Existing Standard	
EUROCAE ED-151	New MET services	Existing Standard	
EUROCAE ED-176	-	Candidate Standard	
METCE	WMO Meteorological Information Constructs	Existing Standard	
WMO Doc 306	World Meteorological Organization, Manual on Codes	Existing Standard	
WMO No 386	World Meteorological Organization, Manual on the Global Telecommunication System	Existing Standard	
Communication Protocols [SESAR]	-	-	
ACARS air (radio)	-	-	
ARINC 618	Open standards for airport databases	Existing Standard	
ARINC 622	ARINC Specification 622-4	Existing Standard	
AVLC	Doc 9776	Existing Standard	
ACARS air (satcom)	-	-	
AMSS Data 2	ICAO Annex 10 Doc 9925	Existing Standard	
AMSS618	ICAO Annex 10 Doc 9925	Existing Standard	
ARINC 622	ARINC Specification 622-4	Existing Standard	
ACARS ground	-	-	
ARINC 618	Open standards for airport databases	Existing Standard	
ARINC 620	ARINC Specification 620-8	Existing Standard	
BATAP	-	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
MATIP	IETF RFC 2351	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
ACAS Status	-	-	
Asterix Cat04	EUROCONTROL-SPEC-0149-17	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
ACAS air	-	-	
DF0	ED-143 ICAO Annex 10	Existing Standard	
DF16	ED-143 ICAO Annex 10	Existing Standard	
DF24	ICAO Annex 10	Existing Standard	
ACAS ground	-	-	
Asterix Cat04	EUROCONTROL-SPEC-0149-17	Existing Standard	

Title	Description	Status	Related Elements
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
ADS-B	-	-	
DF17	DO260B/ED-102A, ICAO Annex 10, Doc 9871	Existing Standard	
DF18	DO260B/ED-102A, ICAO Annex 10, Doc 9871	Existing Standard	
DF19	DO260B/ED-102A, ICAO Annex 10, Doc 9871	Existing Standard	
ADS-B Ground Asterix Cat21	-	-	
	ECTL Standard SUR.ET1.ST05.2000-STD-12-01	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
AFTN Asynchronous AFTN	-	-	
	-	Existing Standard	
AMHS IPS	-	-	
IP	IETF RFC 2460	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
X.400	ISO/IEC 10021 ITU-T Recommendation F.400/X.400	Existing Standard	
ASN.1 over Transport Secured AMQP	-	-	
AMQP	(email 5/9/13)	Existing Standard	
ASN.1	ITU-T Recommendation X.680 Doc 9880	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
ATC Voice (MFC) ground	-	-	
ATS MFC R2	-	Existing Standard	
ATC Voice (QSIG) ground	-	-	
ATS QSIG	-	Existing Standard	
ATC Voice (VoIP, control) ground	-	-	
IP	IETF RFC 2460	Existing Standard	
SIP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
ATC Voice (VoIP, media) ground	-	-	
IP	IETF RFC 2460	Existing Standard	
RTP	-	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
ATC Voice air	-	-	
HF - AM 25kHz	ICAO Annex 10	Existing Standard	
VHF - AM 25kHz/8.33kHz	ICAO Annex 10	Existing Standard	
ATFCM ground	-	-	
IP	IETF RFC 2460	Existing Standard	
ATN IPS (tcp) air	-	-	
IP	IETF RFC 2460	Existing Standard	
M-SNDCF	ISO 8473-3 Doc 9880	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
ATN IPS (udp) air	-	-	
IP	IETF RFC 2460	Existing Standard	
M-SNDCF	ISO 8473-3 Doc 9880	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
ATN IPS ground	-	-	
ASN.1	ITU-T Recommendation X.680 Doc 9880	Existing Standard	
ATN IP-DS	Doc 9896	Existing Standard	
IP	IETF RFC 2460	Existing Standard	

Title	Description	Status	Related Elements
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
ATN OSI air	-	-	
ASN.1	ITU-T Recommendation X.680 Doc 9880	Existing Standard	
ATN ULCS	Doc 9880	Existing Standard	
CLNP	ISO 8473 Doc 9880	Existing Standard	
M-SNDCF	ISO 8473-3 Doc 9880	Existing Standard	
SNAcP	ISO 8208	Existing Standard	
TP4	ISO 8073	Existing Standard	
ATN OSI ground	-	-	
ASN.1	ITU-T Recommendation X.680 Doc 9880	Existing Standard	
ATN ULCS	Doc 9880	Existing Standard	
CLNP	ISO 8473 Doc 9880	Existing Standard	
TP4	ISO 8073	Existing Standard	
C Band	-	-	
SHF 4.0 - 8.0 GHz	-	Existing Standard	
DDS over TCP	-	-	
DDS	-	Existing Standard	
DDSI-RTPS	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
DDS over UDP	-	-	
DDS	-	Existing Standard	
DDSI-RTPS	-	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
DME Status ground	-	-	
UHF 960 - 1215 MHz	ICAO Annex 10	Existing Standard	
DME air	-	-	
UHF 960 - 1215 MHz	ICAO Annex 10	Existing Standard	
ENV ground	-	-	
IP	IETF RFC 2460	Existing Standard	
FMP ground	-	-	
IP	IETF RFC 2460	Existing Standard	
FMTF ground	-	-	
FMTF	EUROCONTROL-SPEC-100	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
Fused track distribution	-	-	
Asterix Cat62	ECTL Standard SUR.ET1.ST05.2000-STD-09-01	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
GBAS	-	-	
VDB Link VHF 108 - 117.95 MHz	ICAO Annex 10	Existing Standard	
GBAS Status ground	-	-	
VDB Link VHF 108 - 117.95 MHz	ICAO Annex 10	Existing Standard	
GNSS BEIDOU	-	-	
B1 1561.098 MHz	ICAO Annex 10	Existing Standard	
B2 1207.147 MHz	ICAO Annex 10	Existing Standard	
B3 1268.52 MHz	ICAO Annex 10	Existing Standard	
GNSS BEIDOU Status	-	-	
B1 1561.098 MHz	ICAO Annex 10	Existing Standard	
B2 1207.147 MHz	ICAO Annex 10	Existing Standard	
B3 1268.52 MHz	ICAO Annex 10	Existing Standard	
GNSS GALILEO	-	-	
E1 1575.42 MHz	ICAO Annex 10	Existing	

Title	Description	Standard Status	Related Elements
E5a 1176.45 MHz	ICAO Annex 10	Existing Standard	
E5b 1207.14 MHz	ICAO Annex 10	Existing Standard	
E6 1278.75 MHz	ICAO Annex 10	Existing Standard	
GNSS GALILEO Status	-	-	
E1 1575.42 MHz	ICAO Annex 10	Existing Standard	
E5a 1176.45 MHz	ICAO Annex 10	Existing Standard	
E5b 1207.14 MHz	ICAO Annex 10	Existing Standard	
E6 1278.75 MHz	ICAO Annex 10	Existing Standard	
GNSS GLONASS	-	-	
L1 1598.0625 - 1605.375 MHz	ICAO Annex 10	Existing Standard	
L2 1242.9375 - 1248.625 MHz	ICAO Annex 10	Existing Standard	
L3 1201 MHz	ICAO Annex 10	Existing Standard	
GNSS GLONASS Status	-	-	
L1 1598.0625 - 1605.375 MHz	ICAO Annex 10	Existing Standard	
L2 1242.9375 - 1248.625 MHz	ICAO Annex 10	Existing Standard	
L3 1201 MHz	ICAO Annex 10	Existing Standard	
GNSS GPS	-	-	
L1 1575.42MHz	ICAO Annex 10	Existing Standard	
L2 1227.6 MHz	ICAO Annex 10	Existing Standard	
L5 1176.45 MHz	ICAO Annex 10	Existing Standard	
GNSS GPS Status	-	-	
L1 1575.42MHz	ICAO Annex 10	Existing Standard	
L2 1227.6 MHz	ICAO Annex 10	Existing Standard	
L5 1176.45 MHz	ICAO Annex 10	Existing Standard	
Generic Data over HTTPS	-	-	
Generic Data (MIME)	-	Existing Standard	
HTTP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
ILS Glideslope air	-	-	
UHF 328.6 - 335.4 MHz	ICAO Annex 10	Existing Standard	
ILS Localiser air	-	-	
UHF 108 - 112 MHz	-	Existing Standard	
ILS Status ground	-	-	
UHF 328.6 - 335.4 MHz	ICAO Annex 10	Existing Standard	
VHF 108 - 111.95 MHz	ICAO Annex 10	Existing Standard	
Ku Band	-	-	
SHF 12.0 - 18.0 GHz	-	Existing Standard	
L Band	-	-	
UHF 1.0 - 2.0 GHz	-	Existing Standard	
LDAP over TCP	-	-	
LDAP	EUROCONTROL-SPEC-136	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
MIL Voice air	-	-	
UHF - AM 25kHz	-	Existing Standard	
MLAT Status	-	-	
Asterix Cat19	ECTL Standard SUR.ET1.ST05.2000-STD-18-02	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
MLAT ground	-	-	
Asterix Cat20	EUROCONTROL-SPEC-0149-14	Existing Standard	

Title	Description	Status	Related Elements
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
MLS Azimuth air MW 5031.0 - 5090.7 MHz	- ICAO Annex 10	- Existing Standard	
MLS Elevation air MW 5031.0 - 5090.7 MHz	- ICAO Annex 10	- Existing Standard	
MLS Status ground MW 5031.0 - 5090.7 MHz	- ICAO Annex 10	- Existing Standard	
MSPSR Ground Asterix Cat12	- -	- Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
MSPSR air DVB-T	- -	- Existing Standard	
GSM	-	Existing Standard	
Message Secured DDS over TCP DDS	- -	- Existing Standard	
DDS-Security	-	Existing Standard	
DDSI-RTPS	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
Message Secured DDS over UDP DDS	- -	- Existing Standard	
DDS-Security	-	Existing Standard	
DDSI-RTPS	-	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Message Secured Web-Services HTTP	- -	- Existing Standard	
SOAP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
WS-Security +(WS-Trust+(WS-Federation))	-	Existing Standard	
XML	-	Existing Standard	
Message and Transport Secured Web-Services HTTP	- -	- Existing Standard	
SOAP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
WS-Security	-	Existing Standard	
XML	-	Existing Standard	
Mode A/C/S 1030MHz UF04	- ICAO Annex 10	- Existing Standard	
UF05	ICAO Annex 10	Existing Standard	
UF11	ICAO Annex 10	Existing Standard	
UF20	ICAO Annex 10	Existing Standard	
UF21	ICAO Annex 10	Existing Standard	
UF24	ICAO Annex 10	Existing Standard	
Mode A/C/S 1090MHz DF04	- ICAO Annex 10	- Existing Standard	
DF05	ICAO Annex 10	Existing Standard	
DF11	ICAO Annex 10	Existing Standard	
DF20	-	Existing Standard	

Title	Description	Status	Related Elements
DF21	ICAO Annex 10	Existing Standard	
DF24	ICAO Annex 10	Existing Standard	
NDB Status ground MF 190 - 1750 kHz	- ICAO Annex 10	- Existing Standard	
NDB air MF 190 - 1750 kHz	- ICAO Annex 10	- Existing Standard	
NM ASM ground IP	- IETF RFC 2460	- Existing Standard	
OCSP over HTTP(s) HTTP	- -	- Existing Standard	
OCSP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
OPC (Operational) Voice air HF (selcal)	- ICAO Annex 10	- Existing Standard	
VHF	ICAO Annex 10	Existing Standard	
OPC (Operational) Voice ground S Band	- -	- -	
UHF/SHF 2.0 - 4.0 GHz	-	Existing Standard	
SBAS EGNOS L1 1572.42MHz	- ICAO Annex 10	- Existing Standard	
SBAS EGNOS Status L1 1572.42MHz	- ICAO Annex 10	- Existing Standard	
SCVP over HTTP HTTP	- -	- Existing Standard	
SCVP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
SMR ground Asterix Cat10	- ECTL Standard SUR.ET1.ST05.2000-STD-07-01	- Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
SWIM Registry IP	- IETF RFC 2460	- Existing Standard	
LDAP	EUROCONTROL-SPEC-136	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
X.509	IEFT RFC 4158	Existing Standard	
Secured LDAP over TCP LDAP	- EUROCONTROL-SPEC-136	- Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
Supervision IP	- IETF RFC 2460	- Existing Standard	
SNMP	IEFT RFC 3411 IEFT RFC 3418	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Surveillance radar status Asterix Cat02	- ECTL Standard SUR.ET1.ST05.2000-STD-02b-01	- Existing Standard	
Asterix Cat34	-	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Surveillance radar target reports Asterix Cat01	- ECTL Standard SUR.ET1.ST05.2000-STD-02a-01 ECTL Standard SUR.ET1.ST05.2000-STD-04-01	- Existing Standard	
Asterix Cat48	-	Existing Standard	

Title	Description	Status	Related Elements
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Surveillance stations status Asterix Cat23	-	-	
	ECTL Standard SUR.ET1.ST05.2000-STD-16-01	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Surveillance status Asterix Cat63	-	-	
	ECTL Standard SUR.ET1.ST05.2000-STD-10-01	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
TACAN air UHF 960 - 1215 MHz	-	-	
	ICAO Annex 10	Existing Standard	
TCAS Receiver DF0	-	-	
	ED-143 ICAO Annex 10	Existing Standard	
DF16	ED-143 ICAO Annex 10	Existing Standard	
DF24	ICAO Annex 10	Existing Standard	
TCAS Transmitter UF0	-	-	
	ED-143 ICAO Annex 10	Existing Standard	
UF16	ED-143 ICAO Annex 10	Existing Standard	
UF24	ICAO Annex 10	Existing Standard	
Time Synchronization IP	-	-	
	IETF RFC 2460	Existing Standard	
NTP	-	Existing Standard	
Transport Secured AMQP AMQP	-	-	
	(email 5/9/13)	Existing Standard	
Generic Data (MIME)	-	Existing Standard	
SSL/TLS	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
Transport Secured SCVP over HTTP HTTP	-	-	
	-	Existing Standard	
SCVP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
Transport Secured Web-Services HTTP	-	-	
	-	Existing Standard	
SOAP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
XML	-	Existing Standard	
VOR Status ground VHF 108 - 117.975 MHz	-	-	
	ICAO Annex 10	Existing Standard	
VOR air VHF 108 - 117.975 MHz	-	-	
	ICAO Annex 10	Existing Standard	
Video Asterix Asterix Cat240	-	-	
	-	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Video Status Asterix Cat10	-	-	
	ECTL Standard SUR.ET1.ST05.2000-STD-07-01	Existing Standard	
Asterix Cat240	-	Existing Standard	
IP	IETF RFC 2460	Existing Standard	



Title	Description	Status	Related Elements
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Video Surveillance	-	-	
H264	ITU-T Recommendation H.264	Existing Standard	
IP	IETF RFC 2460	Existing Standard	
RTSP	IEFT RFC 2326	Existing Standard	
UDP	IETF RFC 768 Doc 9896	Existing Standard	
Voice Telephone	-	-	
PSTN	-	Existing Standard	
X Band	-	-	
SHF 8.0 - 12.0 GHz	-	Existing Standard	
XML over HTTPS	-	-	
HTTP	-	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
XML	-	Existing Standard	
XML over Transport Secured AMQP	-	-	
AMQP	(email 5/9/13)	Existing Standard	
TCP	IETF RFC 793 Doc 9896 The SSL/TLS protocol is bound to an underlying TCP protocol	Existing Standard	
TLS	-	Existing Standard	
XML	-	Existing Standard	
SWIM Standards	-	-	
General Support Standards	-	-	
ASN.1 (X.68x, X.69x and X.890 series)	(email 5/9/13)	Existing Standard	
Algorithms and key sizes ECRYPTII	-	Existing Standard	
ISO 10000 (modularisation of profiles)	(email 5/9/13)	Existing Standard	
ISO 250x0 series (Quality of service related standards)	(email 5/9/13)	Existing Standard	
Info/Data Model	-	-	
AIDX	Aviation Information Data Change	Existing Standard	
AIRM	ATM Information Reference Model	Existing Standard	
AMXM/AMDB	Aerodrome Mapping Exchange Model	Existing Standard	
BADA	Base of Aircraft Data	Existing Standard	
EUROCONTROL WXCM	Weather Exchange Conceptual Model (WXCM)	Existing Standard	
EUROCONTROL WXXS	Weather Exchange Schema (WXXS)	Existing Standard	
FIXM	Flight Information Exchange Model	Existing Standard	EN
ISRM	Information Service Reference Model	Existing Standard	
OATA	The Overall ATM/CNS Target Architecture	Existing Standard	
Network Time Synchronisation Service	-	-	
IEEE Std 1588	Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control...	Existing Standard	
IETF RFC 1305 / 1119	Network Time Protocol (NTP) V3 Specification and Implementation	Existing Standard	
IETF RFC 5905	Network Time Protocol (NTP) v4 Specification and Implementation	Existing Standard	
Service Model	-	-	
ARESActivationInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
ARESDeactivateInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
ARESPreActivationInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
AeronauticalInformationFeatureInterface.Generic Data over HTTPS	MEPs Supported: SRR Security Configuration: Interface Binding...	Existing Standard	
AirportFlightPlanningInformationInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
AirportMETAlertProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	

Title	Description	Status	Related Elements
AirportMETForecastProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
AirportMETObservationProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
FlightPlanCoordinatorInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
FlightPlanProviderInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
MCDMInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
METARProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
METHazardEnrouteForecastInterface.Generic Data over HTTPS	MEPs Supported: SRR Security Configuration: Interface Binding...	Existing Standard	
METHazardEnrouteObservationInterface.Generic Data over HTTPS	MEPs Supported: SRR Security Configuration: Interface Binding...	Existing Standard	
METREPORTProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
NMCapacityDataInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
NMFlightDataInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
OATFlightPlanSubmissionInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
ProvidedHotspotManagement.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
RunwayInformationPubSubInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
RunwayManagementInformationPubSubInterface.DDS over UDP	MEPs Supported: PSPUSH PSPULL Security Configuration: Interface Binding...	Existing Standard	
SNOWTAMPProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
STAMMeasuresInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
TAFProvider.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	
TrafficVolumeInformationInterface.Transport Secured Web-Services	MEPs Supported: SRR PSPUSH PSPULL Security Configuration: Interface...	Existing Standard	