

EUROCONTROL SPECIFICATIONS SYNOPSIS

- EUROCONTROL Specification of Interoperability and Performance Requirements for the Flight Message Transfer Protocol (FMTP)
- EUROCONTROL Specification for the Initial Flight Plan (IFPL)
- EUROCONTROL Specifications for the Use of Military Unmanned Aerial Vehicles (UAV) as Operational Air Traffic (OAT) outside segregated airspace specification
- EUROCONTROL Specification for On-Line Data Interchange (OLDI)
- EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP)
- EUROCONTROL Specification for Short Term Conflict Alert (STCA)
- EUROCONTROL Specification for the application of the Flexible Use of Airspace (FUA)
- EUROCONTROL Specification for the ATCO Common Core Content Initial Training (ATCO CCC)
- EUROCONTROL Specification on Data Link Services (DLS)
- EUROCONTROL Specification for Economic Information Disclosure
- EUROCONTROL Specification for Air Traffic Safety Electronics Personnel Common Core Content Initial Training (ATSEP CCC)
- EUROCONTROL Specification for Harmonised Rules for Operational Air Traffic (OAT) under Instrument Flight Rules (IFR) inside controlled Airspace of the ECAC Area (EUROAT)
- EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS)
- EUROCONTROL Specification for Medium-Term Conflict Detection (MTCD)
- EUROCONTROL Specification for Monitoring Aids (MONA)
- EUROCONTROL Specification for Trajectory Prediction
- EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP)
- EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP)
- EUROCONTROL Specification for Data Assurance Levels (DAL)
- All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) Specification
- EUROCONTROL Specifications for Aeronautical Information Exchange (AIX)
- EUROCONTROL Specification for Data Quality Requirements (DQR)
- EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA)
- EUROCONTROL Specification for the Origination of Aeronautical Data (DO)
- EUROCONTROL Specification for Collaborative Environmental Management (CEM)
- EUROCONTROL Specification for Advanced-Surface Movement Guidance and Control System Services (A-SMGCS)
- EUROCONTROL Specification for Time-Based Separation support tool for Final Approach (TBS)
- EUROCONTROL Specification for SWIM Service Description
- EUROCONTROL Specification for SWIM Information Definition
- EUROCONTROL Specification for SWIM Technical Infrastructure Yellow Profile (TI)
- EUROCONTROL Specification for Airspace Management Support System Requirements supporting the ASM processes at local and FAB level - Part I - Baseline Requirements (ASM)

EUROCONTROL-SPEC-0100	EUROCONTROL Specification of Interoperability and Performance Requirements for the flight Message Transfer Protocol (FMTP) <i>Recognised as Community Specification</i>	Edition 2.0	14/06/2007
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EC) No 633/2007	This document defines the interoperability and performance requirements for implementations of the Flight Message Transfer Protocol (FMTP). The FMTP is used, in a peer-to-peer communications context. In particular, for the information exchanges between flight data processing systems for the purpose of notification, coordination and transfer of flights between air traffic control units and for the purposes of civil-military co-ordination. The FMTP is based on industry-standard Transmission Control Protocol / Internet Protocol (TCP/IP) provisions.	ATC; FMTP systems suppliers; ANSPs; Civil-military coordinators	
EUROCONTROL-SPEC-0101	EUROCONTROL Specification for the Initial Flight Plan (IFPL) <i>Recognised as Community Specification</i>	Edition 1.3	26/02/2018
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EC) No 1033/2006 as amended by EU No 428/2013	This document defines the procedures and requirements applicable to the provision, processing and distribution of Flight Plans in the pre-flight phase i.e. the period preceding the first delivery of air traffic control clearance, for flights departing from within the IFPS Zone, or in the period preceding entry into the IFPS Zone for other flights. In particular it prescribes measures to ensure, via the IFPS, the consistency of Flight Plan data between Aircraft Operators (AOs), Air Traffic Flow and Capacity Management (ATFCM) and the Air Traffic Services Units (ATSUs).	AO; ATFCM; ATSU; Flight Planning	
EUROCONTROL-SPEC-0102	EUROCONTROL Specifications for the Use of Military Unmanned Aerial Vehicles (UAV) as Operational Air Traffic (OAT) outside segregated airspace specification	Edition 1.0	26/07/2007
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders	This document addresses aspects of military UAV ATM, dealing briefly with extant regulations that impact upon the UAV specifications and then explaining the nature of UAV airspace requirements. It also summarises a number of national UAV ATM regulations, albeit none were suitable for adaptation into EUROCONTROL specifications.	ATC; Civil-military coordinators; UAV operators; Airspace users	
EUROCONTROL-SPEC-0106	EUROCONTROL Specification for On-Line Data Interchange (OLDI) <i>Recognised as Community Specification</i>	Edition 4.3	18/12/2017
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EC) No 30/2009 and No 1032/2006	This document specifies the facilities and messages to be provided between FDPs serving ATC units for the purpose of achieving: the notification of flights; the co-ordination required prior to the transfer of flights from one unit to the next; the civil/military co-ordination; situational awareness; the transfer of communication of such flights; support to air-ground data link; co-ordination between Area Control Centres and Oceanic Control Centres. This document: defines the message formats and rules for the content; describes the facilities required at such units which are prerequisite to the use of data interchange for this purpose.	ATC; Civil-military coordinators; Manufacturers/system providers; ANSPs	
EUROCONTROL-SPEC-0107	EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) <i>Recognised as Community Specification</i>	Edition 3.2	18/12/2017
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders	This document defines the principles and syntax rules of the ADEXP format. It provides this definition in terms of a comprehensive definition of the ADEXP fields.	Flight Planning; AO; ATC; Civil-Military Coordinators; ANSPs	

EUROCONTROL-SPEC-0108	EUROCONTROL Specification for Short Term Conflict Alert (STCA)	Edition 1.0	22/11/2007
In support of	Purpose		Main Users
EUROCONTROL Stakeholders	This document specifies the minimum requirements for the development, configuration and use of Short Term Conflict Alert (STCA) by all Air Navigation Service Providers (ANSP) in the European Civil Aviation Conference (ECAC) area. STCA is a ground-based safety net intended to assist the controller in preventing collision between aircraft by generating, in a timely manner, an alert of a potential or actual infringement of separation minima.		ANSPs, ATC
EUROCONTROL-SPEC-0112	EUROCONTROL Specification for the application of the Flexible Use of Airspace (FUA) <i>Recognised as Community Specification</i>	Edition 1.1	10/01/2009
In support of	Purpose		Main Users
EUROCONTROL Stakeholders (EC) No 2150/2005	This document provides details of procedures and requirements for the implementation and application of the Flexible Use of the Airspace Concept developed by EUROCONTROL.		Civil-military coordinators; Civil-military authorities; NSAs
EUROCONTROL-SPEC-0157	EUROCONTROL Specification for the ATCO Common Core Content Initial Training (ATCO CCC)	Edition 2.0	02/04/2015
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) No 805/2011	This document details the minimum training requirement for the achievement of a Student Air Traffic Controller Licence in accordance with Directive 2006/23/EC of the European Parliament and of the Council of 5 April 2006 on a Community air traffic controller licence, and the minimum training requirement in accordance with EUROCONTROL Safety Regulatory Requirement on ATM Services' Personnel Ed. 2.0 (ESARRS).		ATCO trainers; NSAs
EUROCONTROL-SPEC-0116	EUROCONTROL Specification on Data Link Services (DLS)	Edition 2.1	28/01/2009
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EC) No 29/2009	This document defines detailed requirements, explanatory materials and conformity assessment materials providing means of compliance (MOC) associated with the DLS implementing rule. It is also the basis for the ETSI Community specification on ground datalink.		AO; ATC; Manufacturers; ANSPs
EUROCONTROL-SPEC-0117	EUROCONTROL Specification for Economic Information Disclosure	Edition 3.0	04-12-2012
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) No 1035/2011	This document defines requirements for economic information to be provided by Air Navigation Service Providers (ANSPs) for performance review purposes in the EUROCONTROL context.		ANSPs
EUROCONTROL-SPEC-132	EUROCONTROL Specification for Air Traffic Safety Electronics Personnel Common Core Content Initial Training (ATSEP CCC)	Edition 1.0	27/08/2009
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) No 1035/2011	This document contains the minimum training requirement for ATSEP Basic and Qualification Training.		Training providers; NSAs

EUROCONTROL-SPEC-135	EUROCONTROL Specification for Harmonised Rules for Operational Air Traffic (OAT) under Instrument Flight Rules (IFR) inside controlled Airspace of the ECAC Area (EUROAT)	Edition 2.0	18/09/2009
In support of	Purpose		Main Users
EUROCONTROL Stakeholders	This document defines Harmonised Rules for Operational Air Traffic (OAT) under Instrument Flight Rules (IFR) inside controlled Airspace of the ECAC Area (EUROAT).		Civil-military coordinators; Civil-military authorities; NSAs; AO; Airspace users
EUROCONTROL-SPEC-136	EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) <i>Recognised as Community Specification</i>	Edition 2.0	18/09/2009
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EC) No 552/2004	This document defines precise means of compliance to the essential requirements of the interoperability Regulation to ensure interoperability of AMHS systems and constituents in the framework of the Single European Sky.		ANSPs
EUROCONTROL-SPEC-139	EUROCONTROL Specification for Medium-Term Conflict Detection (MTCD)	Edition 2.0	03/03/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; SESAR ATM Deployment Sequence [SESAR-D4]	<p>This document provides system requirements for Medium-Term Conflict Detection (MTCD). This is considered to comprise three distinct functions as follows:</p> <ul style="list-style-type: none"> - The detection and notification to the controller of probable loss of the required separation between two aircraft; - The detection and notification to the controller of aircraft penetrating segregated or otherwise restricted airspace; - The detection and display to the controller of aircraft-to-aircraft encounters where, although the required separation will be achieved, each aircraft is blocking airspace that might have been used by the other, e.g. In case of pilot request for an alternative level or when resolving a conflict involving one of the aircraft. <p>The requirement specifies the criteria for detecting encounters between aircraft and between aircraft and airspace, for grouping encounters into interactions where they form a cohesive unit to be treated together, the notification of interactions to the relevant controllers and the capabilities of the human-machine interface.</p>		ATC; AO; ANSPs
EUROCONTROL-SPEC-142	EUROCONTROL Specification for Monitoring Aids (MONA)	Edition 2.0	03/03/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders	This document provides system requirements for Monitoring Aids (MONA).The purpose of MONA is to assist the controller in the routine monitoring of the traffic situation, warning the controller when aircraft deviate from their planned route or clearances, reminding the controller of actions that need to be performed, and keeping the trajectories updated with the progress of the flights.The document describes objectives to be achieved and system requirements describing behaviour of the system that achieves the objectives.		ATC; AO; ANSPs
EUROCONTROL-SPEC-143	EUROCONTROL Specification for Trajectory Prediction	Edition 2.0	03/03/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders	This document provides functional and performance requirements for the modelling of flight behaviour in planned and tactical trajectories. This specification is derived from requirements for ATC tools as specified by the First ATC Systems and Tools Implementation (FASTI) programme, and can be used by air navigation service providers as guidelines in the procurement of FASTI compliant ATC systems.		ANSPs; ATC

EUROCONTROL-SPEC-146¹	EUROCONTROL Specification for the electronic Aeronautical Information Publication (eAIP)	Edition 2.1	06/10/2015
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EU) No 73/2010 ²	This document provides a possible Means of Compliance to Article 5(4)(b) of Commission Regulation (EU) No 73/2010 ² by specifying how Aeronautical Information Service (AIS) providers can ensure that all aeronautical data and aeronautical information, provided by a Member State, is made available to the next intended user and as a minimum, in a way that allows the content and format of those data and information to be directly readable on a computer screen.	Civil-military authorities; ANSPs; AIS providers; Aeronautical data providers	
EUROCONTROL-SPEC-147	EUROCONTROL ATM Surveillance System Performance Specification (ESASSP)	Edition 1.1	02/09/2015
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EU) No 1207/2011 as amended by (EU) N° 1028/2014	This document provides performance requirements for ATM surveillance system when supporting 3 and 5 NM horizontal separation applications.	ANSPs; NSAs	
EUROCONTROL-SPEC-148	EUROCONTROL Specification for Data Assurance Levels (DAL)	Edition 1.1	28/03/2018
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EU) No 73/2010 ²	This document provides possible Means of Compliance to Article 6(2) of the Commission Regulation (EU) No 73/2010 ² and the evidence requirements listed in Annex IV, Part B. However, this Specification also covers Articles 4 through 10 and Article 13 by providing supplementary objectives in respect of meeting data quality requirements for the processing of aeronautical data.	NSAs; Aeronautical data providers; ANSPs; AISPs	
EUROCONTROL-SPEC-149¹	All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) Specification	Edition 2.4	24/10/2016
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EU) No 1207/2011 as amended by (EU) N° 1028/2014	This document describes the basic rules and procedures to be applied when implementing the ASTERIX data format for the transmission of surveillance related information. It provides information on the way ASTERIX data is organised, defines the structure of ASTERIX messages and specifies the format conventions to be respected when composing ASTERIX records. Finally the ASTERIX addressing scheme is defined as well as the procedure to be followed in the evolution of ASTERIX Category definitions.	ATC; ANSPs; Civil-military coordinators; System Developers & Implementers	
EUROCONTROL-SPEC-151¹	EUROCONTROL Specifications for Aeronautical Information Exchange (AIX)	Edition 1.0	14/12/2012
In support of	Purpose	Main Users	
EUROCONTROL Stakeholders; (EU) No 73/2010 ²	This document provides possible Means of Compliance to Articles 4 and 5 of the Commission Regulation (EU) No 73/2010 ² on the quality of aeronautical data and aeronautical information. It specifically addresses the Integrated Aeronautical Information Package (IAIP), Aerodrome Mapping and Electronic Obstacle data set specification and data exchange format requirements.	Aeronautical data chain actors	

¹ Global usage worldwide

² as amended by European Commission Regulation (EU) No 1029/2014

EUROCONTROL-SPEC-152	EUROCONTROL Specification for Data Quality Requirements (DQR)	Edition 1.2	25/02/2016
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) No 73/2010 ²	This document provides possible Means of Compliance for Article 6(1) and Annex IV, Part A of Commission Regulation (EU) 73/2010 ² in respect of setting data quality requirements for aeronautical data and aeronautical information.		ANSPs; Aeronautical Data providers; Data Originators; AISPs
EUROCONTROL-SPEC-153	EUROCONTROL Specification for the Mode S IC Allocation Coordination and IC Conflict Management (MICA)	Edition 1.0	14/06/2013
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EC) 262/2009	This document defines processes applicable to the use of the centralised Mode S interrogator code allocation service in charge of coordinating interrogator code allocations within the ICAO European region and ICAO Middle-East region. This document specifies the procedures in place to manage interrogator code conflicts and the resolution of issues with respect to the interrogator code allocation plan.		Mode S Operators; NSAs; ANSPs
EUROCONTROL-SPEC-154	EUROCONTROL Specification for the Origination of Aeronautical Data (DO)	Edition 1.0	04/02/2013
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) No 73/2010 ²	This document provides possible Means of Compliance to Articles 6(4) and 6(6) of the Commission Regulation (EU) No 73/2010 ² concerning the origination of aeronautical data. It is presented in two volumes: - Volume 1 provides compliance material to be compliant with the identified Articles of Commission Regulation (EU) 73/2010 ² ; - Volume 2 provides guidance material and comprehensive requirements complementing Volume 1.		NSAs; Aeronautical data providers; ANSPs; Data Originators; AISPs
EUROCONTROL-SPEC-156	EUROCONTROL Specification for Collaborative Environmental Management (CEM)	Edition 1.0	08/09/2014
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; Directive 2002/30/EC; Directive 2002/49/EC; Directive 2008/50/EC; (EC) N° 552/2004	This document sets out a high level, generic protocol that will support core operational stakeholders in their continued efforts to deal with environmental impacts at and around airports. More specifically, the protocol promotes a collaborative approach by formalising arrangements between air navigation service providers (ANSP) (in particular, air traffic service providers (ATSP), airport operators and aircraft operators.		ANSPs; Airport Operators; AO; NSAs; Local & regional authorities; Land-use planning authorities; Local communities; Local businesses
EUROCONTROL-SPEC-166	EUROCONTROL Specification for Airspace Management Support System Requirements supporting the ASM processes at local and FAB level - Part I - Baselines Requirements	Edition 1.0	26/09/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) N° 716/2014	This Part I document provides a set of commonly agreed Airspace Management (ASM) Support System requirements. Compliance with these requirements, despite the differences in the systems detailed specifications, shall ensure harmonisation of the systems' application, the systems' interoperability and to facilitate development of a standard interface with the corresponding stakeholder systems.		ANSPs; Airspace Users; Civil-Military coordinators

² as amended by European Commission Regulation (EU) No 1029/2014

EUROCONTROL-SPEC-167	EUROCONTROL Specification for Time-Based Separation support tool for Final Approach (TBS)	Edition 1.0	01/02/2018
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) N°716/2014	This document defines a set of performance requirements for a Time-Based Separation (TBS) support tool, which complies with Commission Implementing Regulation (EU) No 716/2014 (Pilot Common Project regulation).		ANSPs; ATC; ATCOs
EUROCONTROL-SPEC-168	EUROCONTROL Specification for SWIM Service Description	Edition 1.0	01/12/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) N°716/2014	This document contains requirements for describing information services in the context of Initial System Wide Information Management (iSWIM). The requirements prescribe the minimum set of elements a service description has to contain.		ANSPs; Industry; NSA
EUROCONTROL-SPEC-169	EUROCONTROL Specification for SWIM Information Definition	Edition 1.0	01/12/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) N°716/2014	This document contains requirements for information definitions, meaning the formal descriptions of exchanged information, in the context of Initial System Wide Information Management (iSWIM). This contributes to semantic interoperability of information.		ANSPs; Industry; NSA
EUROCONTROL-SPEC-170	EUROCONTROL Specification for SWIM Technical Infrastructure Yellow Profile (TI)	Edition 1.0	01/12/2017
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) N°716/2014	This document contains requirements for system interfaces (e.g. protocols) and for IT infrastructure capabilities required to enable a reliable, secure and efficient exchange of information in the context of Initial System Wide Information Management (iSWIM). This contributes to technical interoperability.		ANSPs; Industry; NSA
EUROCONTROL-SPEC-171	EUROCONTROL Specification for Advanced-Surface Movement Guidance and Control System Services (A-SMGCS)	Edition 1.0	01/03/2018
In support of	Purpose		Main Users
EUROCONTROL Stakeholders; (EU) N°716/2014	<p>This document describes the Services (Surveillance, Airport Safety Support, Routing and Guidance) and requirements of the Advanced-Surface Movement Guidance and Control System (A-SMGCS) to support their implementation at an aerodrome.</p> <p>It is intended to be used in conjunction with the EUROCAE document ED-87 Minimum Aviation System Performance Specification (MASPS) for A-SMGCS.</p> <p>The implementation of an A-SMGCS and its various services is a local decision based on the needs of an aerodrome and any national or regional mandates.</p> <p>This Specification contributes to the implementation of the essential requirements of the interoperability Regulation of the Single European Sky (SES) thereby providing a means of compliance.</p>		ANSPs; Airport Operators; NSA; ATC; ATCOs



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