



ITY-ADQ — Ensure Quality of Aeronautical Data and Aeronautical Information

This SES-related implementation objective is derived from Regulation (EU) No 73/2010 of 26 January 2010, amended by Commission Implementing Regulation (EU) No 1029 of 26 September 2014, laying down requirements on the quality of aeronautical data and aeronautical information for the single European sky (Official Journal L23/6, dated 27.01.2010). The Regulation lays down the requirements on the quality of aeronautical data and aeronautical information in terms of accuracy, resolution and integrity [Article 1].

It applies to European Air Traffic Management Network (EATM Network) systems, their constituents and associated procedures involved in the origination, production, storage, handling, processing, transfer and distribution of aeronautical data and aeronautical information [Article 2(1)].

The Regulation applies to the following aeronautical data and aeronautical information [Article 2(1)]:

- the integrated aeronautical information package (IAIP) made available by Member States, with the exception of aeronautical information circulars;
- electronic obstacle and electronic terrain data or elements thereof, where made available by Member States;
- aerodrome mapping data, where made available by Member States.

It applies to ANSPs, AIS Providers, operators of those aerodromes and heliports for which IFR or Special-VFR procedures have been published in national aeronautical information publications, public or private entities providing services for the origination and provision of survey data, procedure design services, electronic terrain data, electronic obstacle data and manufacturing industry [Article 2(2)].

It applies up to the moment when the aeronautical data and/or aeronautical information are made available by the aeronautical information service to the next intended user [Article 2(3)].

The terms used in this objective are defined in Article 2 of Regulation (EC) No 549/2004, complemented by definitions set in Article 3 of Regulation (EU) No 73/2010, amended by Commission Implementing Regulation (EU) No 1029 of 26 September 2014.

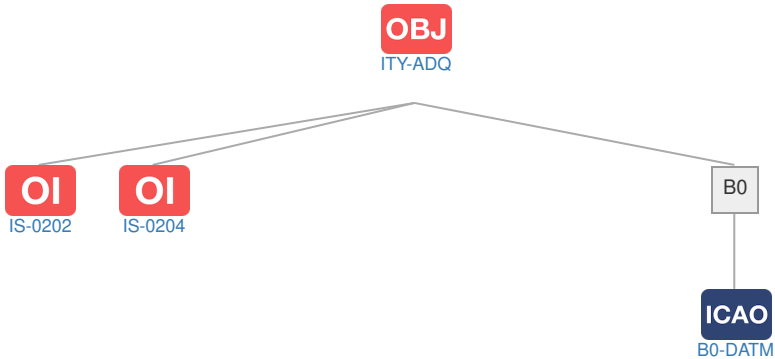
This SES-related implementation objective does not replace the EU legislation. It aims at facilitating the monitoring and reporting of the implementation of quality of aeronautical data and aeronautical information in terms of accuracy, resolution and integrity in European ATM in line with the EU regulations and through the SES implementation monitoring and reporting mechanism.

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Edition	2022
Stakeholders	Regulator / Air Navigation Service Provider / Airport Operator / Aeronautics Industry
Type	SES
Scope	EU+
Status	Removed

Context

Related Elements










Applicability Area(s) and Timescales

Applicability Area: All ECAC States except: Maastricht UAC. Plus: Israel, Morocco

Timescales	From	By	Applicable to
Entry into force of the regulation	16-02-2010	-	Applicability Area
Article 5(4)(a), Article 5(4)(b) and Article 6 to 13 to be implemented by	-	30-06-2013	Applicability Area
Article 4, Article5(1) and Article 5(2), Article 5(3) and Article 5(4)(c) to be implemented by	-	30-06-2014	Applicability Area
All data requirements implemented by	-	30-06-2017	Applicability Area

Links to ATM Master Plan Level 2

Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
IS-0202	Improved Supply Chain for Aeronautical Data through Common Quality Measures	31-12-2006	31-12-2010	  
IS-0204	Facilitated Aeronautical Data Exchanges through Digitalised/Electronic Information	31-12-2024	31-12-2030	   



Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO Block Modules

Designator	Title	Related Elements
B0		
B0-DATM	Service Improvement through Digital Aeronautical Information Management	 

References

Applicable legislation

Regulation (EU) No 73/2010 of 26 January 2010 laying down requirements on the quality of aeronautical data and aeronautical information for the single European sky.

Applicable ICAO Annexes and other references

ICAO Annex 15.

Deployment Programme 2022

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Operating Environments

Airport

Terminal Airspace

En-Route

Network

Expected Performance Benefits

Safety	Improved consistency, reliability and integrity of aeronautical data and aeronautical information.
Capacity	-
Operational efficiency	-
Cost efficiency	-
Environment	-
Security	Enhanced security due to the implementation of security requirements.

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
REG01	Verify the compliance with data quality requirements and supervise safety assessments		30-06-2013	
REG02	Verify the establishment of formal arrangements		30-06-2013	
REG03	Verify the compliance with the common dataset specifications and the data exchange format requirements	DELETED		
REG04	Verify that all parties comply with all data requirements		30-06-2017	
ASP01	Implement data quality and process requirements		30-06-2013	EN
ASP02	Establish formal arrangements		30-06-2013	
ASP03	Establish consistency mechanisms and implement timeliness requirements		30-06-2013	
ASP04	Implement personnel and performance requirements		30-06-2013	
ASP05	Implement a quality management system and fulfil safety and security objectives		30-06-2013	
ASP06	Implement the common dataset and digital exchange format		30-06-2014	
ASP07	Implement all data requirements		30-06-2017	
APO01	Implement data quality and process requirements		30-06-2013	
APO02	Implement personnel and performance requirements		30-06-2013	
APO03	Implement a quality management system and fulfil safety and security objectives		30-06-2013	
APO04	Implement the common dataset and digital exchange format requirements		30-06-2014	
APO05	Implement all data quality requirements		30-06-2017	
IND01	Implement data quality and process requirements		30-06-2013	
IND02	Implement personnel and performance requirements		30-06-2013	
IND03	Implement a quality management system and fulfil safety and security objectives		30-06-2013	
IND04	Implement the common dataset and digital exchange format requirements		30-06-2014	
IND05	Implement all data quality requirements		30-06-2017	

Supporting Material

Title	Related SLoAs
EUROCONTROL - AIS Training Development Guidelines - Edition 1.1 / 10/2011 https://www.eurocontrol.int/sites/default/files/2019-05/20111001-aistdg.pdf	APO02, ASP04, IND02
EUROCONTROL - CHAIN Preliminary Safety Case https://www.eurocontrol.int/service/aeronautical-data-and-information-quality	APO01, APO04, ASP01, ASP06, IND01, IND04, REG01
EUROCONTROL - Common AIS Staff Profiling (CASP) - Edition 2.0 / 10/2010 https://www.icao.int/ESAF/Documents/ICAO-IATA-EURO%20CONTROL%202017/FINAL%20%20PDF%20Papers/DP-3%20B-%20Eurocontrol%20CASP-%20Document.pdf	APO02, ASP04, IND02
EUROCONTROL - GUID-137 - EUROCONTROL Guidelines on conformity assessment for the interoperability Regulation of the single European sky - Edition 3.0 / 02/2012 https://www.eurocontrol.int/publication/eurocontrol-guidelines-conformity-assessment-interoperability-regulation-single	REG01
EUROCONTROL - GUID-163 - EUROCONTROL Guidelines for Supporting the Implementation of Commission Regulation (EU) 73/2010 - Edition 1.6 / 01/2017 https://www.eurocontrol.int/publication/eurocontrol-guidelines-supporting-implementation-commission-regulation-eu-732010	APO01, APO03, APO04, ASP01, ASP02, ASP03, ASP05, ASP06, IND01, IND03, REG01, REG02
EUROCONTROL - Guidelines supporting the implementation of the Regulation on Aeronautical Data and Information Quality https://www.eurocontrol.int/service/aeronautical-data-and-information-quality	APO01, APO03, APO04, ASP01, ASP02, ASP03, ASP05, ASP06, IND01, IND03, REG01, REG02
EUROCONTROL - NSA Coordination Platform - Guidelines on Interoperability Oversight - Edition 1.0 / 06/2012 https://eurocontrol.int/sites/default/files/article/files/reg-nsa-guidelines-iop-v1-0.pdf	REG01, REG02, REG04
EUROCONTROL - SPEC 151 - EUROCONTROL Specification for Aeronautical Information Exchange - Edition 1.0 / 12/2012 https://www.eurocontrol.int/publication/eurocontrol-specification-aeronautical-information-exchange-aix	APO04, ASP06, IND04
EUROCONTROL - SPEC-146 - EUROCONTROL Specification for the Electronic Aeronautical Information Publication (eAIP) - Edition 2.1 / 10/2015 https://www.eurocontrol.int/publication/eurocontrol-specification-electronic-aeronautical-information-publication-eaip	APO04, ASP04, ASP06, IND04
EUROCONTROL - SPEC-148 - EUROCONTROL Specification for Data Assurance Levels - Edition 1.1 / 03/2018 https://www.eurocontrol.int/publication/eurocontrol-specification-data-assurance-levels-dal	APO01, APO04, ASP01, ASP02, ASP06, IND01, IND04, REG01, REG02
EUROCONTROL - SPEC-152 - EUROCONTROL Specification for Data Quality Requirements - Edition 1.2 / 02/2016 https://www.eurocontrol.int/publication/eurocontrol-specification-data-quality-requirements-dqr	APO01, ASP01, IND01, REG01
EUROCONTROL - SPEC-154 - EUROCONTROL Specification for the Origination of Aeronautical Data - Edition 1.0 / 02/2013 https://www.eurocontrol.int/publication/eurocontrol-specification-origination-aeronautical-data-do	APO01, APO04, ASP01, ASP02, ASP06, IND01, IND04, REG01, REG02
EUROCONTROL - Service Level Agreements (SLA) package http://www.eurocontrol.int/articles/adq-library	ASP02, REG02

Consultation & Approval

Working Arrangement in charge	AIM / SWIM
Outline description approved in	03/2011
Latest objective review at expert level	04/2012
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	05/2011
Latest change to objective approved/endorsed in	07/2014