

ID 11 **8183** -

Specification Data life cycle

Relationship with AI Act Article 017, Article 010

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:8183:ed-1:v1:en>

Scope This document defines the stages and identifies associated actions for data processing throughout the artificial intelligence (AI) system life cycle, including acquisition, creation, development, deployment, maintenance and decommissioning. This document does not define specific services, platforms or tools. This document is applicable to all organizations, regardless of type, size or nature, that use data in the development and use of AI systems.

Terms	Variant	Complementary	AI Act
31 Data processed are secured, protected,			11
93 Preparation			11
30 Data life cycle		Article 017	11
94 Decommissioning			11
88 Support			11
109 Business requirements			11
110 Verification and validation			11
111 Governance		Article 010	11

Note

ID 26 **22989** -

Specification Artificial intelligence concepts and terminology

Relationship with AI Act Article 015, Article 003, Article 015

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:22989:ed-1:v1:en>

Scope This document establishes terminology for AI and describes concepts in the field of AI. This document can be used in the development of other standards and in support of communications among diverse, interested parties or stakeholders. This document is applicable to all types of organizations (e.g. commercial enterprises, government agencies, not-for-profit organizations).

Terms	Variant	Complementary	AI Act
194 Artificial intelligence		Article 003	26
64 Terms related to AI			26
206 Terms related to computer vision			26
201 Terms related to data			26
202 Terms related to machine learning			26
205 Terms related to natural language processing			26
203 Terms related to neural networks			26
204 Terms related to trustworthiness			26
28 Data quality reporting		Article 015	26
215 Cybersecurity		Article 015	26

Note

ID 25 **25019** - **Quality-in-use model**

Specification **Quality-in-use model**

Relationship with AI Act **Article 017, Article 017, Article 017, Article 010**

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:25019:ed-1:v1:en>

Scope This document defines a quality-in-use model composed of three characteristics (which are further subdivided into sub-characteristics) that can influence stakeholders when products or systems are used in a specified context of use. This model is applicable to the entire spectrum of information system and IT service system, including both computer systems in use and software products in use. This document provides a set of quality characteristics for specifying, measuring, evaluating and improving quality-in-use. In this document, because context of use is specified as prerequisite of quality-in-use, context of use is necessary to be re-specified to change prerequisite when a product or service intend to fulfil to context of use changes.

Terms	Variant	Complementary	AI Act	
100 Post-market			Article 017	25
112 Monitoring				25
113 Stakeholder				25
90 Evaluation				25
1 Accessibility			Article 017	25
97 Usability				25
116 Data quality			Article 010	25
115 Customer				25
117 Information system				25
79 Organization				25
118 Quality-in-use				25
119 Risk				25
120 Society				25
121 Software quality				25
122 System				25
123 Target entity				25
125 Direct user				25
124 User				25
126 Beneficialness				25
128 Freedom from risk				25

Note

ID 2 **25024** - **Measurement of data quality**

Specification **Measurement of data quality**

Relationship with AI Act **Article 017, Article 015, Article 017, Article 010, Article 015, Article 010, Article 010**

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:25024:ed-1:v1:en>

Scope This International Standard defines data quality measures for quantitatively measuring the data quality in terms of characteristics defined in ISO/IEC 25012. This International Standard contains the following:
 — a basic set of data quality measures for each characteristic;
 — a basic set of target entities to which the quality measures are applied during the data-life-cycle;
 — an explanation of how to apply data quality measures;
 — a guidance for organizations defining their own measures for data quality requirements and evaluation.
 It includes, as informative annexes, a synoptic table of quality measure elements defined in this International standard (Annex A), a table of quality measures associated to each quality measure element and target entity (Annex B), considerations about specific quality measure elements (Annex C), a list of quality measures in alphabetic order (Annex D), and a table of quality measures grouped by characteristics and target entities (Annex E).
 This International Standard does not define ranges of values of these quality measures to rate levels or grades because these values are

Terms	Variant	Complementary	AI Act	
2 Accuracy	free of errors		Article 015	2
21 Compliance	complete		Article 017	2
1 Accessibility	access		Article 017	2
50 Measurement and method			Article 015	2
23 Confidentiality	personal data			2
11 Balance				2
26 Credibility		complementary		2
25 Consistency		complementary	Article 010	2
27 Currentness		complementary		2
76 Validation		complementary		2
40 Eliminate or reduce biased output		complementary		2
57 Quality criteria		complementary	Article 010	2
74 Training, validation, testing datasets		complementary	Article 010	2
56 Precision		complementary		2
60 Relevance		complementary		2
50 Measurement and method			Article 015	2
10 Auditability				2
142 Non-repudiation				2
73 Traceability				2
20 Completeness				2

Note

ID 14 **42001** -

Specification Management system

Relationship with AI Act Article 015, Article 010, Article 017, Article 017, Article 017, Article 017, Article 009

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:42001:ed-1:v1:en>

Scope This document specifies the requirements and provides guidance for establishing, implementing, maintaining and continually improving an AI (artificial intelligence) management system within the context of an organization.
 This document is intended for use by an organization providing or using products or services that utilize AI systems. This document is intended to help the organization develop, provide or use AI systems responsibly in pursuing its objectives and meet applicable requirements, obligations related to interested parties and expectations from them.
 This document is applicable to any organization, regardless of size, type and nature, that provides or uses products or services that utilize AI systems.

Terms	Variant	Complementary	AI Act
80	Cleaning		Article 010, Article 017
87	Planning		Article 017
88	Support		
89	Operation		
90	Evaluation		
91	Improvement		
92	Acquisition		
50	Measurement and method		Article 015
79	Organization		
86	Leadership		Article 017
101	Risk management		Article 017, Article 009
105	Competence		
152	Management system		

Note