

New

# STANDARD

Standard

AI Act

Mapping

Terminology

The data presented here have a value for research and not a legal value.

Terms Variant Complementary AI Act

4213 -

**Specification** Assessment of Machine learning classification performance

**Relationship with AI Act** Article 006-Classification ... (Classification)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:ts:4213:ed-1:v1:en>

**Scope** TS This document specifies methodologies for measuring classification performance of machine learning models, systems and algorithms.

**Full text** Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act
269	Machine learning		
253	Classification		Article 006

### OPTIONAL INFORMATION

Name and Surname:      Affiliation and Qualification:      LinkedIn ... other:     

Observations:

5259 - 1

**Specification** Overview, terminology and example

**Relationship with AI Act** Article 015-Accuracy, robustness, reliability and confidentiality (Data collection processes); Article 017-Quality management (Data life cycle); Article 010-Data and data governance (Data quality); Article 009-Risk management... (Measurement)

**Link** <https://www.iso.org/standard/81088.html>

**Scope** This document provides the means for understanding and associating the individual documents of the ISO/IEC 5259 series and is the foundation for conceptual understanding of data quality for analytics and machine learning. It also discusses associated technologies and examples (e.g. use cases and usage scenarios).

**Full text** ISO/IEC 5259-1:2024  
 Artificial intelligence — Data quality for analytics and machine learning (ML)  
 Part 1: Overview, terminology, and examples  
 Published (Edition 1, 2024)

Terms Variant Complementary AI Act

Terms	Variant	Complementary	AI Act
30	Data life cycle		Article 017
29	Data collection processes		Article 015, Article 010
162	Data user		
116	Data quality		Article 010
163	Data quality model		
153	Measurement		Article 009
164	Analytics		
165	Data quality management		
166	Data governance		
167	Data provenance		

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Observations:

The data presented have a value for research and not a legal value.

5259 - 2

**Specification**  
Data quality measures

**Relationship with AI Act**  
 Article 017-Quality managem... Article 005-Prohibited AI P...  
 Article 071-EU database fo ... (Accessibility); Article 015-Accuracy, robus... (Accuracy); Article 015-Accuracy, robus... (Accuracy, robus...); Article 017-Quality managem... (Bias detection and correction); Article 017-Quality managem... (Compliance); Article 017-Quality managem... (Data holder); Article 017-Quality managem... (Identifiability); Article 010-Data and data g... (Consistency); Article 015-Accuracy, robus... (Data quality reporting); Article 015-Accuracy, robus...; Article 010-Data and data g... (Origin of data); Article 010-Data and data g... (Quality criteria); Article 012-Record keeping... (Traceability); Article 010-Data and data g... (Training, validation, testing datasets); Article 074-Market surveill... (Validation)

**Link**  
<https://www.iso.org/standard/81860.html>

**Scope**  
 This document specifies a data quality model, data quality measures and guidance on reporting data quality in the context of analytics and machine learning (ML).  
 This document is applicable to all types of organizations who want to achieve their data quality objectives.

**Full text**  
 ISO/IEC FDIS 5259-2  
 Artificial intelligence — Data quality for analytics and machine learning (ML)  
 Part 2: Data quality measures  
 Under development  
 This draft is in the approval phase.

Terms	Variant	Complementary	AI Act	
21 Compliance	complete		Article 017	3
1 Accessibility	access		Article 017, Article 005, Article 071	3
22 Data holder	identifiability		Article 017	3
25 Consistency			Article 010	3
11 Balance				3
20 Completeness				3
63 Resilience regarding errors, faults,	dataset			3
13 Bias detection and correction	dataset		Article 015, Article 010, Article 017	3
26 Credibility		complementary		3
75 Understandability		complementary		3
27 Currentness		complementary		3
76 Validation		complementary	Article 074	3
39 Efficiency		complementary		3
57 Quality criteria		complementary	Article 010	3
74 Training, validation, testing datasets		complementary	Article 010	3
56 Precision		complementary		3
60 Relevance		complementary		3
12 Benchmark and measurement methodologies		complementary		3
69 Synthetic or anonymised data		complementary		3
37 Documentation of the access, to avoid misuse		complementary		3

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**Observations**

5259 - 3

**Specification**  
Data quality management requirements and guidelines

**Relationship with AI Act**  
 Article 017-Quality managem... Article 009-Risk management...  
 Article 012-Record keeping... Article 006-Classification ...  
 Article 007-Amendment. to ... (Risk management); Article 043-Conformity asse... (Management)

**Link**  
<https://www.iso.org/standard/81092.html>

**Scope**  
 This document specifies requirements and provides guidance for establishing, implementing, maintaining and continually improving the quality of data used in the areas of analytics and machine learning.  
 This document does not define a detailed process, methods or metrics. Rather it defines the requirements and guidance for a quality management process along with a reference process and methods that can be tailored to meet

**Full text**  
 ISO/IEC 5259-3:2024  
 Artificial intelligence — Data quality for analytics and machine learning (ML)  
 Part 3: Data quality management requirements and guidelines

Terms	Variant	Complementary	AI Act	
168 Data quality plan				16
165 Data quality management				16
169 Data quality culture				16
170 Management			Article 043	16
172 Audit and assessment				16
171 Data quality management lifecycle				16
173 Horizontal aspects				16
101 Risk management			Article 017, Article 009, Article 012, Article 006, Article 007	16
174 Data format				16
175 Managing of data quality dependencies				16
176 Management system integration				16

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**Observations**

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**5259 - 4**

**Specification** Data quality process framework

**Relationship with AI Act** Article 017-Quality managem... (Data life cycle)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:5259-4:ed-1:v1:en>

**Scope** This document establishes general common organizational approaches, regardless of the type, size or nature of the applying organization, to ensure data quality for training and evaluation in analytics and machine learning (ML). It includes guidance on the data quality process for:  
 — supervised ML with regard to the labelling of data used for training ML systems, including common organizational approaches for training data labelling;

**Full text**  Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
177 Outsourcing				17
178 Cloud service				17
179 Segmentation				17
180 Data quality process principles				17
30 Data life cycle			Article 017	17
181 Data quality process validation				17
182 Data requirements				17
183 Data labelling				17
184 Data quality assessment				17
185 Data decommissioning				17

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**Observations**

**5259 - 5**

**Specification** Data quality governance framework

**Relationship with AI Act** Article 010-Data and data g... (Governance)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:5259-5:dis:ed-1:v1:en>

**Scope** This document provides a data quality governance framework for analytics and machine learning (ML) to enable governing bodies of organizations to direct and oversee the implementation and operation of data quality measures, management, and related processes with adequate controls throughout the data life cycle (DLC) model according to ISO/IEC 5259-1. This document can be applied to any analytics and ML. This document does not define specific management

**Full text**  **PREVIEW**  
 Artificial intelligence  
 — Data quality for analytics and machine learning (ML)  
 Part

Terms	Variant	Complementary	AI Act	
166 Data governance				18
111 Governance			Article 010	18
146 Governance of information security				18
186 Data quality risk management				18
187 Responsibility of governing body				18
188 Establish enabling environment for data				18

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**Observations**

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**5338** -

**Specification** AI System life cycle process

**Relationship with AI Act**  
 Article 003-Definitions..., Article 002-Scope..., Article 004-AI literacy..., Article 006-Classification..., Article 007-Amendment to..., Article 043-Conformity asse..., Article 014-Human oversight..., Article 072-Post-market mon..., Article 074-Market surveill..., Article 071-EU database fo..., (AI systems); Article 015-Accuracy, robus..., Article 017-Quality managem..., Article 009-Risk management... (Lifecycle)

**Link**  
<https://www.iso.org/obp/ui/en/#iso:std:iso-iec:5338:ed-1:v1:en>

**Scope**  
 This document defines a set of processes and associated concepts for describing the life cycle of AI systems based on machine learning and heuristic systems. It is based on ISO/IEC/IEEE 15288 and ISO/IEC/IEEE 12207 with modifications and additions of AI-specific processes from ISO/IEC 22989 and ISO/IEC 23053.  
 This document provides processes that support the definition, control, management, execution and improvement of the AI system in its life cycle

**Full text**  
 Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
189 Knowledge acquisition				20
49 Lifecycle			Article 015, Article 017, Article 009	20
122 System				20
4 AI systems			Article 003, Article 002, Article 004, Article 006, Article 007, Article 043, Article 014, Article 072	20
190 Human resource management process				20
191 Quality management process				20
192 Knowledge management process				20
49 Lifecycle			Article 015, Article 017, Article 009	20
193 Maintenance process				20

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**Observations**

**5339** -

**Specification** Guidance for AI application

**Relationship with AI Act**  
 Article 015-Accuracy, robus..., Article 017-Quality managem..., Article 009-Risk management... (Lifecycle); Article 017-Quality managem..., (Accountability)

**Link**  
<https://www.iso.org/obp/ui/en/#iso:std:iso-iec:5339:ed-1:v1:en>

**Scope**  
 This document provides guidance for identifying the context, opportunities and processes for developing and applying AI applications. The guidance provides a macro-level view of the AI application context, the stakeholders and their roles, relationship to the life cycle of the system, and common AI application characteristics and considerations.

**Full text**  
 Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
235 Processes				52
113 Stakeholder				52
49 Lifecycle			Article 015, Article 017, Article 009	52
178 Cloud service				52
273 Accountability			Article 017	52

**OPTIONAL INFORMATION**

Name and Surname:    Affiliation and Qualification:    LinkedIn: ... other

**Observations**

The data presented have a value for research and not a legal value.

**5469** -

*Specification* TR Functional safety and AI systems

*Relationship with AI Act*  
 Article 001-Subject matter..., Article 073-Reporting of se..., Article 006-Classification ..., Article 007-Amendment. to ..., Article 043-Conformity asse..., Article 014-Human oversight... (Safety)

*Link*  
<https://www.iso.org/obp/ui/en/#iso:std:iso-iec:tr:5469:ed-1:v1:en>

*Scope*  
 This document describes the properties, related risk factors, available methods and processes relating to:  
 — use of AI inside a safety related function to realize the functionality;  
 — use of non-AI safety related functions to ensure safety for an AI controlled equipment;  
 — use of AI systems to design and develop safety related functions.

*Full text*  
 Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act
214	Safety		Article 001, Article 073, Article 006, Article 007, Article 043, Article 014 31
242	Risk factors		31
244	Explainability		31
243	Transparency		31

OPTIONAL INFORMATION

Name and Surname	Affiliation and Qualification	Linkedin ... other
Observations		

**6254** -

*Specification* Objective and approaches for explainability and interpretability of ML models and AI systems

*Relationship with AI Act*  
 Article 003-Definitions..., Article 002-Scope..., Article 004-AI literacy..., Article 006-Classification ..., Article 007-Amendment. to ..., Article 043-Conformity asse..., Article 014-Human oversight..., Article 072-Post-market mon..., Article 074-Market surveill..., Article 071-EU database fo ... (AI systems)

*Link*  
<https://www.iso.org/standard/82148.html>

*Scope*  
 CD This document describes approaches and methods that can be used to achieve explainability objectives of stakeholders with regards to ML models and AI systems' behaviours, outputs, and results.

*Full text*  
 ISO/IEC CD TS 6254  
 Information technology — Artificial intelligence — Objectives and approaches for explainability and interpretability of ML models and AI systems  
 Under development  
 A draft is being reviewed by the committee.

Terms	Variant	Complementary	AI Act
244	Explainability		43
276	Interpretability		43
113	Stakeholder		43
4	AI systems		Article 003, Article 002, Article 004, Article 006, Article 007, Article 043, Article 014, Article 072 43

OPTIONAL INFORMATION

Name and Surname	Affiliation and Qualification	Linkedin ... other
Observations		

The data presented have a value for research and not a legal value.

## 8000 - 1

**Specification**  
Overview

**Relationship with AI Act**  
[Article 010-Data and data g... \(Data quality\)](#)

**Link**  
<https://www.iso.org/obp/ui/en/#iso:std:iso:8000:-1:ed-1:v1:en>

**Scope**  
This document provides an overview of the ISO 8000 series

**Full text**  
 Foreword  
ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical

Terms	Variant	Complementary	AI Act	
116 Data quality			<a href="#">Article 010</a>	39
165 Data quality management				39
174 Data format				39
166 Data governance				39
235 Processes				39
261 Master data				39
113 Stakeholder				39
262 Industrial data				39
79 Organization				39

**OPTIONAL INFORMATION**

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**Observations**

## 8183 -

**Specification**  
Data life cycle

**Relationship with AI Act**  
[Article 017-Quality managem... \(Data life cycle\)](#); [Article 074-Market surveill... \(Verification and validation\)](#); [Article 010-Data and data g... \(Governance\)](#)

**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.

**Full text**  
 Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
31 Data processed are secured, protected, . . .				11
93 Preparation				11
30 Data life cycle			<a href="#">Article 017</a>	11
94 Decommissioning				11
88 Support				11
109 Business requirements				11
110 Verification and validation			<a href="#">Article 074</a>	11
111 Governance			<a href="#">Article 010</a>	11

**OPTIONAL INFORMATION**

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**Observations**

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## 8200 -

**Specification** Controllability of automated AI systems

**Relationship with AI Act** Article 007-Amendment: to ... (Autonomy); Article 014-Human oversight... (Controller)

**Link** <https://www.iso.org/standard/83012.html>

**Scope** TS This document specifies a basic framework with principles, characteristics and approaches for the realization and enhancement for automated artificial intelligence (AI) systems' controllability. The following areas are covered:

- state observability and state transition;
- control transfer process and cost;
- reaction to uncertainty during control transfer;
- verification and validation approaches.

**Full text**  ISO/IEC TS 8200:2024 Information technology — Artificial intelligence — Controllability of automated artificial intelligence systems Published (Edition 1, 2024)

Terms	Variant	Complementary	AI Act
95 Controllability			44
277 Ontology			44
266 Autonomy		Article 007	44
278 Controller		Article 014	44
95 Controllability			44
275 Functional safety			44

**OPTIONAL INFORMATION**

Name and Surname: \_\_\_\_\_ Affiliation and Qualification: \_\_\_\_\_ LinkedIn ... other: \_\_\_\_\_

Observations: \_\_\_\_\_

## 9868 -

**Specification** Biometric identification systems involving passive capture

**Relationship with AI Act** Article 015-Accuracy, robustness... (Security); Article 043-Conformity assessment... (Management); Article 003-Definitions...; Article 005-Prohibited AI... (Biometric data)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:9868:dis:ed-1:v1:en>

**Scope** DIS This document establishes recommendations and requirements for the design, development, use and maintenance of biometric identification systems involving passive capture subjects including pre and post deployment evaluation. While the emphasis is on surveillance systems, other types of biometric identification systems involving passive capture subjects are in scope, regardless of biometric characteristic or sensing technology. This includes systems involving

**Full text**  Foreword ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical

Terms	Variant	Complementary	AI Act
290 Biometric data		Article 003, Article 005	51
291 Biometric identification			51
292 Biometric characteristic			51
265 Algorithm			51
15 Bias in AI system			51
66 Security		Article 015	51
170 Management		Article 043	51
293 Biometric algorithm			51

**OPTIONAL INFORMATION**

Name and Surname: \_\_\_\_\_ Affiliation and Qualification: \_\_\_\_\_ LinkedIn ... other: \_\_\_\_\_

Observations: \_\_\_\_\_

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12182 -

**Specification** Framework for categorization of IT systems and software, and guide for applying it

**Relationship with AI Act** [Article 002-Scope...](#), [Article 006-Classification ... \(Service\)](#)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:tr:12182:ed-2:v1:en>

**Scope** This TR specifies the manner in which categorizations of IT systems and software are organized and expressed

**Full text**  Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
252	Categorization	Classification		35
122	System			35
254	Software			35
255	Service		<a href="#">Article 002</a> , <a href="#">Article 006</a>	35
113	Stakeholder			35
257	IT system			35
118	Quality-in-use			35

**OPTIONAL INFORMATION**

Name and Surname:  Affiliation and UNI CT 504 Qualification:  LinkedIn ... other:

**Observations**

14971 -

**Specification** Application of risk management to medical devices

**Relationship with AI Act** [Article 009-Risk management... \(Residual risk\)](#); [Article 009-Risk management... \(Risk evaluation\)](#); [Article 043-Conformity asse... \(Management\)](#); [Article 001-Subject matter...](#); [Article 073-Reporting of se...](#); [Article 006-Classification ...](#); [Article 007-Amendment. to ...](#); [Article 043-Conformity asse...](#); [Article 014-Human oversight... \(Safety\)](#); [Article 005-Prohibited AI P... \(Market for medical or safety reasons\)](#)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso:14971:ed-3:v1:en>

**Scope** This document specifies terminology, principles and a process for risk management of medical devices, including software as a medical device and in vitro diagnostic medical devices. The process described in this document intends to assist manufacturers of medical devices to identify the hazards associated with the medical device, to estimate and evaluate the associated risks, to control these risks, and to monitor the effectiveness of the controls.

**Full text**  Foreword  
ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical

Terms	Variant	Complementary	AI Act	
159	Risk management process			30
170	Management		<a href="#">Article 043</a>	30
156	Risk analysis			30
158	Risk evaluation		<a href="#">Article 009</a>	30
238	Risk estimation			30
154	Residual risk		<a href="#">Article 009</a>	30
239	Market for medical or safety reasons		<a href="#">Article 005</a>	30
214	Safety		<a href="#">Article 001</a> , <a href="#">Article 073</a> , <a href="#">Article 006</a> , <a href="#">Article 007</a> , <a href="#">Article 043</a> , <a href="#">Article 014</a>	30
240	Safety components of devices			30

**OPTIONAL INFORMATION**

Name and Surname:  Affiliation and UNI CT 504 Qualification:  LinkedIn ... other:

**Observations**



The data presented have a value for research and not a legal value.

17847

**Specification** Verification and validation Analysis of AI systems

**Relationship with AI Act**  
 Article 003-Definitions... Article 002-Scope... Article 004-AI literacy... Article 006-Classification... Article 007-Amendment to... Article 043-Conformity asse... Article 014-Human oversight... Article 072-Post-market mon... Article 074-Market surveill... Article 071-EU database fo... (AI systems); Article 015-Accuracy, robus... Article 017-Quality managem... Article 009-Risk management... (Lifecycle); Article 074-Market surveill... (Verification and validation)

**Link**  
<https://www.iso.org/standard/85072.html>

**Scope**  
 AWI TS  
 This document describes approaches and provides guidance on processes for the verification and validation analysis of AI systems (comprising AI system components and the interaction of non-AI components with the AI system components) including formal methods, simulation and evaluation. This document is applicable for AI systems verification and validation in the context of the AI system life cycle

**Full text**  
 ISO/IEC AWI TS 17847  
 Information technology — Artificial intelligence — Verification and validation analysis of AI systems  
 Under development  
 A working group has prepared a draft.

Terms	Variant	Complementary	AI Act
110	Verification and validation		Article 074 48
235	Processes		48
4	AI systems		Article 003, Article 002, Article 004, Article 006, Article 007, Article 043, Article 014, Article 072 48
282	Formal method		48
90	Evaluation		48
49	Lifecycle		Article 015, Article 017, Article 009 48

OPTIONAL INFORMATION

Name and Surname:

Affiliation and Qualification:

Linkedin ... other:

Observations:

22443

**Specification** Guidance on addressing societal concerns and ethical considerations

**Relationship with AI Act**  
 Article 003-Definitions... Article 002-Scope... Article 004-AI literacy... Article 006-Classification... Article 007-Amendment to... Article 043-Conformity asse... Article 014-Human oversight... Article 072-Post-market mon... Article 074-Market surveill... Article 071-EU database fo... (AI systems); Article 015-Accuracy, robus... Article 017-Quality managem... Article 009-Risk management... (Lifecycle)

**Link**  
<https://www.iso.org/standard/87119.html>

**Scope**  
 AWI TS This document provides guidance on how an organization can identify and address societal concerns and ethical considerations during the life cycle of AI systems that can potentially harm individuals and society. The document expands existing AI system governance, management system and impact assessment standards.

**Full text**  
 ISO/IEC AWI TS 22443  
 Information technology — Artificial intelligence — Guidance on addressing societal concerns and ethical considerations  
 Under development  
 A working group has prepared a draft.

Terms	Variant	Complementary	AI Act
250	Societal concerns		50
249	Ethical concerns		50
49	Lifecycle		Article 015, Article 017, Article 009 50
4	AI systems		Article 003, Article 002, Article 004, Article 006, Article 007, Article 043, Article 014, Article 072 50

OPTIONAL INFORMATION

Name and Surname:

Affiliation and Qualification:

Linkedin ... other:

Observations:

The data presented have a value for research and not a legal value.

22989

Specification Artificial intelligence concepts and terminology

Relationship with AI Act  
 Article 015-Accuracy, robustness, security and reliability (Data quality reporting); Article 074-Market surveillance (Validation); Article 003-Definitions, terminology and abbreviations (Artificial intelligence); Article 015-Accuracy, robustness, security and reliability (Artificial intelligence); Article 015-Accuracy, robustness, security and reliability (Cybersecurity); Article 004-AI literacy, awareness and skills (Knowledge)

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).

Full text  
 Foreword  
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Terms	Variant	Complementary	AI Act	
194	Artificial intelligence		Article 003, Article 001	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
231	Knowledge		Article 004	26
76	Validation		Article 074	26

OPTIONAL INFORMATION

Name and Surname: Domenico Natale | Affiliation and UNI CT 533 (member) Qualification: | LinkedIn: [https://www.linkedin.com/in/domenico-natale-a9b99812/?... other originalSubdomain=it](https://www.linkedin.com/in/domenico-natale-a9b99812/?...)

Observations

23894

Specification Guidance on risk management

Relationship with AI Act  
 Article 010-Data and data governance (Data quality reporting); Article 017-Quality management (Design); Article 017-Quality management (Leadership); Article 017-Quality management (Risk management); Article 009-Risk management; Article 012-Record keeping; Article 006-Classification (Products); Article 007-Amendment to (Risk management); Article 006-Classification (Products)

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:23894:ed-1:v1:en>

Scope  
 This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services that utilize artificial intelligence (AI) can manage risk specifically related to AI. The guidance also aims to assist organizations to integrate risk management into their AI-related activities and functions. It moreover describes processes for the effective implementation and integration of AI risk management.

Full text  
 Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
101	Risk management		Article 017, Article 009, Article 012, Article 006, Article 007	24
86	Leadership		Article 017	24
34	Design		Article 010, Article 017	24
90	Evaluation			24
91	Improvement			24
160	Risk treatment			24
112	Monitoring			24
235	Processes			24
236	Products		Article 006	24

OPTIONAL INFORMATION

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Observations

The data presented have a value for research and not a legal value.

24027 -

Specification Bias in AI systems and AI aided decision making

Relationship with AI Act Article 010-Data and data g..., Article 017-Quality managem... (Design); Article 015-Accuracy, robus..., Article 017-Quality managem..., Article 009-Risk management... (Lifecycle)

Link https://www.iso.org/obp/ui/en/#iso:std:iso-iec:tr:24027:ed-1:v1:en

Scope This document addresses bias in relation to AI systems, especially with regards to AI-aided decision-making. Measurement techniques and methods for assessing bias are described, with the aim to address and treat bias-related vulnerabilities. All AI system lifecycle phases are in scope, including but not limited to data collection, training, continual learning, design, testing, evaluation and use.

Full text Foreword ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical

Terms	Variant	Complementary	AI Act	
51	Functional correctness			13
16	Characteristics of the data sets may be met at			13
14	Bias			13
106	Data bias			13
34	Design		Article 010, Article 017	13
49	Lifecycle		Article 015, Article 017, Article 009	13
107	Software testing			13
108	Social responsibility			13

**OPTIONAL INFORMATION**  
 Name and Surname Domenico Natale Affiliation and UNI CT 533 (member) Qualification LinkedIn https://www.linkedin.com/in/domenico-natale-a9b99812/?... other originalSubdomain=it

Observations

24028 -

Specification Overview of trustworthiness in AI

Relationship with AI Act Article 003-Definitions..., Article 002-Scope..., Article 004-AI literacy..., Article 006-Classification..., Article 007-Amendment to..., Article 043-Conformity asse..., Article 014-Human oversight..., Article 072-Post-market mon..., Article 074-Market surveill..., Article 071-EU database fo..., (AI systems); Article 010-Data and data g..., (Consistency); Article 015-Accuracy, robus..., (Security); Article 074-Market surveill..., (Validation); Article 003-Definitions..., Article 001-Subject matter..., (Artificial intelligence); Article 060-Testing of high..., (Testing); Article 001-Subject matter..., Article 073-Reporting of se..., Article 006-Classification..., Article 007-Amendment to..., Article 043-Conformity asse..., Article 014-Human oversight..., (Safety); Article 004-AI literacy..., (Training); Article 071-EU database fo..., (Data); Article 007-Amendment to..., (Autonomy); Article 060-Testing of high..., (Personal data)

Link https://www.iso.org/obp/ui/en/#iso:std:iso-iec:38507:ed-1:v1:en

Scope This document surveys topics related to trustworthiness in AI systems

Full text Foreword ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
4	AI systems		Article 003, Article 002, Article 004, Article 006, Article 007, Article 043, Article 014, Article 072	42
135	Trustworthiness			42
265	Algorithm			42
266	Autonomy		Article 007	42
25	Consistency		Article 010	42
260	Data		Article 071	42
39	Efficiency			42
267	Human Factor			42
268	Information			42
269	Machine learning			42
270	Neural network			42
271	Personal data		Article 060	42
274	Robot			42
119	Risk			42
214	Safety		Article 001, Article 073, Article 006, Article 007, Article 043, Article 014	42
66	Security		Article 015	42
113	Stakeholder			42
233	Training		Article 004	42
76	Validation		Article 074	42
194	Artificial intelligence		Article 003, Article 001	42

**OPTIONAL INFORMATION**  
 Name and Surname Domenico Natale Affiliation and UNI CT 533 Qualification LinkedIn ... other

Observations

The data presented have a value for research and not a legal value.

24029 - 1

**Specification** Assessment of the robustness of neural networks - Part 1 Overview

**Relationship with AI Act** Article 015-Accuracy, robus... (Robustness); Article 010-Data and data g... (Training, validation, testing datasets); Article 003-Definitions...; Article 001-Subject matter... (Artificial intelligence); Article 060-Testing of high... (Testing)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:tr:24029:-1:ed-1:v1:en>

**Scope** This document TR provides background about existing methods to assess the robustness of neural networks.

**Full text**  Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
194 Artificial intelligence			Article 003, Article 001	21
195 Artificial neural network				21
196 Testing			Article 060	21
18 Robustness			Article 015	21
74 Training, validation, testing datasets			Article 010	21

**OPTIONAL INFORMATION**

Name and Surname  Affiliation and Qualification  LinkedIn ... other

**Observations**

24029 - 2

**Specification** Assessment of the robustness of neural networks - Part 2 Methodology for the use of formal methods

**Relationship with AI Act** Article 015-Accuracy, robus... (Robustness)

**Link** <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:24029:-2:ed-1:v1:en>

**Scope** This document provides methodology for the use of formal methods to assess robustness properties of neural networks. The document focuses on how to select, apply and manage formal methods to prove robustness properties.

**Full text**  Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
197 Domain				22
198 Bounded domain				22
199 Architecture				22
200 Time series				22
18 Robustness			Article 015	22

**OPTIONAL INFORMATION**

Name and Surname  Affiliation and Qualification  LinkedIn ... other

**Observations**



New

# STANDARD

Standard

AI Act

Mapping

Terminology

Sort

New

The data presented have a value for research and not a legal value.

24368 -

Specification

Overview of ethical and societal concerns

Relationship with AI Act

Article 001-Subject matter..., Article 073-Reporting of se..., Article 006-Classification ..., Article 007-Amendment. to ..., Article 043-Conformity asse..., Article 014-Human oversight... (Safety)

Link

<https://www.iso.org/standard/78507.html>

Scope

TR This document provides a high-level overview of AI ethical and societal concerns.

Full text

ISO/IEC TR 24368:2022  
Information technology — Artificial intelligence — Overview of ethical and societal concerns  
Published (Edition 1, 2022)

Abstract

Terms Variant Complementary AI Act

249	Ethical concerns				34
250	Societal concerns				34
251	Ethical framework				34
214	Safety			Article 001, Article 073, Article 006, Article 007, Article 043, Article 014	34

### OPTIONAL INFORMATION

Name and Surname Domenico Natale Affiliation and UNI CT 533 Qualification LinkedIn ... other

Observations

24970 -

Specification

AI system logging

Relationship with AI Act

Article 012-Record keeping... (Traceability); Article 017-Quality managem..., Article 009-Risk management..., Article 012-Record keeping..., Article 006-Classification ..., Article 007-Amendment. to ..., (Risk management); Article 012-Record keeping... (Logging)

Link

<https://www.iso.org/standard/88723.html>

Scope

This document describes common capabilities, requirements and a supporting information model for logging of events in AI systems. This document is designed to be used with a risk management system.

Full text

ISO/IEC AWI 24970  
Artificial intelligence — AI system logging  
Under development  
A working group has prepared a draft.

Abstract

Terms Variant Complementary AI Act

245	Logging			Article 012	32
73	Traceability			Article 012	32
101	Risk management			Article 017, Article 009, Article 012, Article 006, Article 007	32

### OPTIONAL INFORMATION

Name and Surname Domenico Natale Affiliation and UNI Qualification LinkedIn ... other

Observations

The data presented have a value for research and not a legal value.

Terms Variant Complementary AI Act

25010

Specification

SQuARE - Product quality model

Relationship  
with  
AI Act

Article 015-Accuracy, robustness (Security); Article 001-Subject matter... Article 073-Reporting of serious... Article 006-Classification ... Article 007-Amendment to ... Article 043-Conformity assessment... Article 014-Human oversight... (Safety)

Link

<https://www.iso.org/obp/ui/en/#iso:std:iec:25010:ed-2:v1:en>

Scope

This document defines a product quality model, which is applicable to ICT (information and communication technology) products and software products. The product quality model is composed of nine characteristics (which are further subdivided into subcharacteristics) that relate to quality properties of the products. The characteristics and subcharacteristics provide a reference model for the quality of the products to be specified, measured and evaluated.

Full text

Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
207	Functional suitability			27
208	Performance efficiency			27
98	Compatibility			27
210	Interaction capability			27
211	Reliability			27
66	Security		Article 015	27
99	Maintainability			27
213	Flexibility			27
214	Safety		Article 001, Article 073, Article 006, Article 007, Article 043, Article 014	27

## OPTIONAL INFORMATION

Name and Surname: Domenico Natale Affiliation and UNI CT 504 (president) Qualification: Linked in iso25000.it ... other

Observations

25012

Specification

Data quality model

Relationship  
with  
AI Act

Article 017-Quality management ... Article 005-Prohibited AI P... Article 071-EU database for ... (Accessibility); Article 015-Accuracy, robustness (Accuracy); Article 010-Data and data quality (Complete); Article 017-Quality management ... (Compliance); Article 010-Data and data quality (Consistency); Article 012-Record keeping ... (Traceability); Article 010-Data and data quality (Data quality)

Link

<https://www.iso.org/obp/ui/en/#iso:std:iec:25012:ed-1:v1:en>

Scope

This International Standard defines a general data quality model for data retained in a structured format within a computer system.  
This International Standard focuses on the quality of the data as part of a computer system and defines quality characteristics for target data used by humans and systems.

Full text

Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms Variant Complementary AI Act

Terms	Variant	Complementary	AI Act	
2	Accuracy		Article 015	38
20	Completeness	Complete		38
27	Currentness			38
21	Compliance		Article 017	38
26	Credibility			38
1	Accessibility		Article 017, Article 005, Article 071	38
25	Consistency		Article 010	38
39	Efficiency			38
75	Understandability			38
73	Traceability		Article 012	38
56	Precision			38
116	Data quality		Article 010	38
163	Data quality model			38
259	Quality characteristics			38
23	Confidentiality			38
141	Availability			38
55	Portability			38
59	Recoverability			38
19	Complete		Article 010	38

## OPTIONAL INFORMATION

Name and Surname: Domenico Natale Affiliation and UNI CT 504 Qualification: Linked in ... other

Observations

The data presented have a value for research and not a legal value.

25019

Specification

Quality-in-use model

Relationship with AI Act

Article 017-Quality managem..., Article 005-Prohibited AI P..., Article 071-EU database fo ... (Accessibility); Article 017-Quality managem... (Compliance); Article 017-Quality managem..., Article 072-Post-market mon... (Post-market); Article 010-Data and data g... (Data quality); Article 071-EU database fo ... (User); Article 004-AI literacy... (Experience); Article 074-Market surveill... (Verification)

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

Full text

Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
100 Post-market			Article 017, Article 072	25
112 Monitoring				25
113 Stakeholder				25
90 Evaluation				25
1 Accessibility			Article 017, Article 005, Article 071	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			Article 071	25
126 Beneficialness				25
128 Freedom from risk				25

OPTIONAL INFORMATION

Name and Surname	Domenico Natale	Affiliation and UNI CT 504 (president) Qualification	Linkedin iso25000.it ... other
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Observations

Observations field

25024

Specification

Measurement of data quality

Relationship with AI Act

Article 017-Quality managem..., Article 005-Prohibited AI P..., Article 071-EU database fo ... (Accessibility); Article 015-Accuracy, robus... (Accuracy); Article 017-Quality managem... (Compliance); Article 010-Data and data g... (Consistency); Article 015-Accuracy, robus... (Measurement and method); Article 010-Data and data g... (Quality criteria); Article 012-Record keeping... (Traceability); Article 010-Data and data g... (Training, validation, testing datasets); Article 074-Market surveill... (Validation)

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

Full text

Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
2 Accuracy	free of errors		Article 015	2
21 Compliance	complete		Article 017	2
1 Accessibility	access		Article 017, Article 005, Article 071	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	Article 074	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			Article 012	2
20 Completeness				2

OPTIONAL INFORMATION

Name and Surname	Domenico Natale	Affiliation and UNI CT 504 (president) Qualification	Linkedin iso25000.it ... other
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Observations

Observations field



The data presented have a value for research and not a legal value.

## 25058

Specification **Guidance for quality evaluation of AI systems**

Relationship with AI Act

[Article 017-Quality managem...](#), [Article 009-Risk management...](#),  
[Article 012-Record keeping...](#), [Article 006-Classification ...](#),  
[Article 007-Amendment. to ... \(Risk management\)](#)

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:25058:ed-1:v1:en>

Scope TS This document provides guidance for evaluation of artificial intelligence (AI) systems using an AI system quality model.

Full text  Foreword  
 ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical

Terms	Variant	Complementary	AI Act	
35	Quality model			47
90	Evaluation			47
51	Functional correctness			47
78	Functional adaptability			47
280	Functional appropriateness			47
279	Functional completeness			47
208	Performance efficiency			47
97	Usability			47
207	Functional suitability			47
101	Risk management		<b>Article 017, Article 009, Article 012, Article 006, Article 007</b>	47
250	Societal concerns			47
131	Societal risk			47
132	Health risk			47
130	Environmental risk			47
129	Economic risk			47
281	Satisfaction			47

### OPTIONAL INFORMATION

Name and Surname  Affiliation and UNI CT 504  LinkedIn

Observations

## 25059

Specification **Quality model for AI System**

Relationship with AI Act

[Article 017-Quality managem...](#), [Article 005-Prohibited AI P...](#),  
[Article 071-EU database fo ... \(Accessibility\)](#); [Article 017-Quality managem...](#) (AI models); [Article 003-Definitions...](#), [Article 002-Scope...](#), [Article 004-AI literacy...](#), [Article 006-Classification ...](#),  
[Article 007-Amendment. to ...](#), [Article 043-Conformity asse...](#),  
[Article 014-Human oversight...](#), [Article 072-Post-market mon...](#),  
[Article 014-Market surveill...](#), [Article 071-EU database fo ... \(AI systems\)](#); [Article 010-Data and data g... \(Annotation\)](#); [Article 015-Accuracy, robus... \(Security\)](#)

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:25059:ed-1:v1:en>

Scope This document outlines a quality model for AI systems and is an application-specific extension to the standards on SQuaRE. The characteristics and sub-characteristics detailed in the model provide consistent terminology for specifying, measuring and evaluating AI system quality. The characteristics and sub-characteristics detailed in the model also provide a set of quality characteristics against which stated quality requirements can be compared for completeness.

Full text  Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
5	Annotation		<b>Article 010</b>	19
35	Quality model			19
4	AI systems		<b>Article 003, Article 002, Article 004, Article 006, Article 007, Article 043, Article 014, Article 072</b>	19
3	AI models		<b>Article 017</b>	19
1	Accessibility		<b>Article 017, Article 005, Article 071</b>	19
95	Controllability			19
78	Functional adaptability			19
64	Terms related to AI			19
66	Security	Cybersecurity	<b>Article 015</b>	19
97	Usability	Interaction capability		19
98	Compatibility			19
243	Transparency			19

### OPTIONAL INFORMATION

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Observations



New

# STANDARD

Standard

AI Act

Mapping

Terminology

The data presented have a value for research and not a legal value.

29119 - 11

Specification Guidelines on the testing of AI-based systems (2020)

Relationship with AI Act **Article 015**-Accuracy, robu... (Accuracy); **Article 060**-Testing of high... (Testing); **Article 007**-Amendment. to ... (Autonomy); **Article 043**-Conformity asse... (Assessment)

Link <https://www.iso.org/obp/ui/en/#iso:std:iso-iec:tr:29119:-11:ed-1:v1:en>

Scope This document TR (2020) provides an introduction to AI-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.

AWI TS under development  
 This document describes testing techniques (including those described in ISO/IEC/IEEE 29119

Full text  Foreword  
 ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act
2 Accuracy			Article 015
128 Freedom from risk			
265 Algorithm			
266 Autonomy			Article 007
14 Bias			
283 Deep learning			
244 Explainability			
276 Interpretability			
56 Precision			
274 Robot			
284 Test data			
285 Metrics			
196 Testing			Article 060
286 Assessment			Article 043

### OPTIONAL INFORMATION

Name and Surname Domenico Natale Affiliation and UNI CT 504 Qualification LinkedIn ... other

Observations

31000 -

Specification Guidelines

Relationship with AI Act **Article 017**-Quality managem... Article 009-Risk management... Article 012-Record keeping... Article 006-Classification ... Article 007-Amendment. to ... (Risk management)

Link <https://www.iso.org/obp/ui/en/#iso:std:65694:en>

Scope ISO 31000 provides guidelines on managing risks faced by organizations.

Full text  Foreword  
 ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical

Terms	Variant	Complementary	AI Act
79 Organization			
101 Risk management			Article 017, Article 009, Article 012, Article 006, Article 007
113 Stakeholder			

### OPTIONAL INFORMATION

Name and Surname Affiliation and Qualification LinkedIn ... other

Observations

The data presented have a value for research and not a legal value.

### 31010

Specification

Risk assessment techniques

Relationship with AI Act

Article 015-Accuracy, robustness, security and resilience of AI systems; Article 010-Data and data governance (Data collection processes)

Link

<https://www.iso.org/obp/ui/en/#iso:std:iec:31010:ed-2:v1:en:fr>

Scope

Not available

Full text

IEC 31010 Edition 2 .0 201

Terms	Variant	Complementary	AI Act
237 Risk assessment techniques			
79 Organization			
112 Monitoring			
29 Data collection processes			Article 015, Article 010

#### OPTIONAL INFORMATION

Name and Surname: \_\_\_\_\_ Affiliation and Qualification: \_\_\_\_\_ LinkedIn ... other: \_\_\_\_\_

Observations: \_\_\_\_\_

### 38500

Specification

Governance of IT for the organization

Relationship with AI Act

Article 010-Data and data governance (Governance); Article 043-Conformity assessment (Management)

Link

<https://www.iso.org/standard/81684.html>

Scope

This document provides guiding principles for members of governing bodies of organizations and those that support them on the effective, efficient and acceptable use of information technology (IT) within their organizations.

Full text

ISO/IEC 38500:2024 Information technology — Governance of IT for the organization Published (Edition 3, 2024) Abstract

Terms	Variant	Complementary	AI Act
111 Governance			Article 010
170 Management			Article 043

#### OPTIONAL INFORMATION

Name and Surname: Domenico Natale Affiliation and UNI CT 504 Qualification: \_\_\_\_\_ LinkedIn ... other: \_\_\_\_\_

Observations: \_\_\_\_\_

**38507** -  

**Specification**  
Governance implications of the use of AI by organizations

**Relationship with AI Act**  
**Article 010**-Data and data g... (Governance); **Article 003**-Definitions...; **Article 001**-Subject matter... (Artificial intelligence); **Article 006**-Classification ... (Decision-making)

**Link**  
[https://www.iso.org/search.html?PROD\\_isoorg\\_en%5BQuery%5D=38507](https://www.iso.org/search.html?PROD_isoorg_en%5BQuery%5D=38507)

**Scope**  
This document provides guidance for members of the governing body of an organization to enable and govern the use of Artificial Intelligence (AI), in order to ensure its effective, efficient and acceptable use within the organization.

**Full text**  
 ISO/IEC 38507:2022  
Information technology — Governance of IT — Governance implications of the use of artificial intelligence by organizations  
Published (Edition 1, 2022)

Terms	Variant	Complementary	AI Act	
111	Governance		Article 010	41
194	Artificial intelligence		Article 003, Article 001	41
79	Organization			41
256	Decision-making		Article 006	41

**OPTIONAL INFORMATION**

Name and Surname: Domenico Natale | Affiliation and UNI CT 504 Qualification: | LinkedIn: ... other

**Observations**

**42001** -  

**Specification**  
Management system

**Relationship with AI Act**  
**Article 015**-Accuracy, robu... (Measurement and method); **Article 010**-Data and data g...; **Article 017**-Quality managem... (Cleaning); **Article 017**-Quality managem... (Leadership); **Article 017**-Quality managem... (Planning); **Article 017**-Quality managem...; **Article 009**-Risk management...; **Article 012**-Record keeping...; **Article 006**-Classification ...; **Article 007**-Amendment. to ... (Risk management); **Article 017**-Quality managem... (Accountability)

**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

**Full text**  
 Foreword  
ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate

Terms	Variant	Complementary	AI Act	
80	Cleaning		Article 010, Article 017	14
87	Planning		Article 017	14
88	Support			14
89	Operation			14
90	Evaluation			14
91	Improvement			14
92	Acquisition			14
50	Measurement and method		Article 015	14
79	Organization			14
86	Leadership		Article 017	14
101	Risk management		Article 017, Article 009, Article 012, Article 006, Article 007	14
105	Competence			14
152	Management system			14
273	Accountability		Article 017	14

**OPTIONAL INFORMATION**

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**Observations**

The data presented have a value for research and not a legal value.

62304

Specification

Software life cycle processes

Relationship with AI Act

Article 015-Accuracy, robustness, security and resilience of AI systems... Article 017-Quality management of AI systems... Article 009-Risk management of AI systems... (Lifecycle)

Link

<https://www.iso.org/obp/ui/en/#iso:std:iec:62304:ed-1:v1:en>

Scope

IEC This standard defines the life cycle requirements for medical device software. The set of processes, activities, and tasks described in this standard establishes a common framework for medical device software life cycle processes.

Full text

FOREWORD  
1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote

Terms	Variant	Complementary	AI Act	
49 Lifecycle			Article 015, Article 017, Article 009	53
235 Processes				53

OPTIONAL INFORMATION

Name and Surname	Affiliation and Qualification	Linkedin ... other
Observations		

82079

1

Specification

IEC Part 1: principles and general requirements

Relationship with AI Act

Article 010-Data and data governance... Article 017-Quality management of AI systems... (Design); Article 011-Technical documentation... Article 043-Conformity assessment... (Technical documentation); Article 072-Post-market monitoring... (Documentation)

Link

<https://www.iso.org/obp/ui/en/#iso:std:iee:82079:-1:ed-2:v1:en,fr>

Scope

ISO/IEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that will be necessary or helpful for users of products

Full text

PREVIEW  
IEC /IEEE 82079 - 1

Terms	Variant	Complementary	AI Act	
247 Documentation			Article 072	53
34 Design			Article 010, Article 017	53
248 Information quality				53
247 Documentation			Article 072	53
246 Technical documentation			Article 011, Article 043	53

OPTIONAL INFORMATION

Name and Surname	Affiliation and UNI Qualification	Linkedin ... other
Observations		