

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

**ID 22** **Article 001**

**Specification** Subject matter

**Relationship with Standard** 24029-1, 22989, 24030, 38507, 24028 (Artificial intelligence); 25010, 14971, 5469, 24368, 24028 (Safety)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** The purpose of this Regulation is to improve the functioning of the internal market and promote the uptake of human-centric and trustworthy AI, while ensuring a high level of protection of health, safety, fundamental rights, including democracy, the rule of law and environmental protection, support innovation

**Full text**  Subject matter\*  
 1. The purpose of this Regulation is to improve the functioning of the internal market and promote the uptake of human-centric and trustworthy artificial intelligence (AI), while ensuring a high level of protection of health, safety, fundamental rights

Terms	Variant	Complementary	Standard
216 Human-centric			22
96 Trustworthy			22
194 Artificial intelligence		24029-1, 22989, 24030, 38507, 24028	22
212 Health			22
214 Safety		25010, 14971, 5469, 24368, 24028	22
209 Fundamental rights			22
217 Democracy			22
218 Environmental protection			22
220 Harmful effects			22
219 Innovation			22

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**Observations**

**ID 23** **Article 002**

**Specification** Scope

**Relationship with Standard** 25059, 5338, 24030, 24028, 6254, 17847, 22443 (AI systems); 12182 (Service)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** The Regulation applies to:  
 - providers  
 - deployers  
 - located in the Union  
 - located in a third country with output used in the Union  
 - Importers  
 - product manufacturers  
 - location  
 - products covered by Union harmonization legislation

**Full text**  Scope  
 1. This Regulation applies to:  
 (a) providers placing on the market or putting into service AI systems or placing on the market general-purpose AI models in the Union, irrespective of whether those providers are established or located within the

Terms	Variant	Complementary	Standard
222 Providers			23
223 Deployers			23
225 Located in the Union			23
224 Located in a third country with output used			23
226 Importers			23
227 Product manufacturers			23
228 Location			23
229 Products covered by Union harmonization			23
4 AI systems		25059, 5338, 24030, 24028, 6254, 17847, 22443	23
255 Service		12182	23

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**Observations**







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**ID 19 Article 009**

**Specification** Risk management system

**Relationship with Standard** 24027, 5338, 17847, 22443, 5339, 62304 (Lifecycle); 42001, 5259-3, 23894, 27000, 24970, 31000, 25058 (Risk management); 27000 (Documented information); 5259-1, 27000 (Measurement); 27000, 14971 (Residual risk); 27000, 14971 (Risk evaluation)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** A risk management system shall be established, implemented, documented and maintained in relation to high-risk AI system.

**Full text**  **Risk management system**  
 1. A risk management system shall be established, implemented, documented and maintained in relation to high-risk AI systems.  
 2. The risk management system shall be understood as a continuous iterative process planned and run

Terms	Variant	Complementary	Standard
101 Risk management		42001, 5259-3, 23894, 27000, 24970, 31000, 25058	19
49 Lifecycle		24027, 5338, 17847, 22443, 5339, 62304	19
145 Documented information		27000	19
158 Risk evaluation		27000, 14971	19
154 Residual risk		27000, 14971	19
153 Measurement		5259-1, 27000	19

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**Observations**

**ID 10 Article 010**

**Specification** Data and data governance

**Relationship with Standard** 25059 (Annotation); 5259-2 (Bias detection and correction); 25024, 5259-2, 25012, 24028 (Consistency); 5259-1, 31010 (Data collection processes); 24027, 23894, 82079-1, 26514 (Design); 5259-2 (Origin of data); 25024, 5259-2 (Quality criteria); 25024, 5259-2, 24029-1 (Training, validation, testing datasets); 42001 (Cleaning); 8183, 5259-5, 38500, 38507 (Governance); 5259-1, 25019, 25012, 8000-1 (Data quality)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** High-risk AI systems shall be developed on the basis of training, validation and testing data sets that meet the quality criteris referred to in paragraphs 2 to 5.

**Full text**  **Data and data governance**  
 1. High-risk AI systems which make use of techniques involving the training of AI models with data shall be developed on the basis of training, validation and testing data sets that meet the quality criteria referred to in paragraphs 2 to 5 whenever such data sets are used.

Terms	Variant	Complementary	Standard
74 Training, validation, testing datasets		25024, 5259-2, 24029-1	10
57 Quality criteria		25024, 5259-2	10
52 Origin of data	provenance	5259-2	10
13 Bias detection and correction		5259-2	10
53 Personal data are not to be transmitted,			10
111 Governance		8183, 5259-5, 38500, 38507	10
34 Design		24027, 23894, 82079-1, 26514	10
46 HR AI Systems			10
29 Data collection processes		5259-1, 31010	10
5 Annotation		25059	10
25 Consistency		25024, 5259-2, 25012, 24028	10
80 Cleaning		42001	10
102 Labelling			10
116 Data quality		5259-1, 25019, 25012, 8000-1	10
19 Complete			10
83 Aggregation			10
33 Data-preparation processing			10
82 Enrichment			10
42 Formulation of assumptions (information			10
44 Fundamental rights or lead to discrimination			10

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**Observations**



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**ID 33 Article 014**

**Specification** Human oversight

**Relationship with Standard** 25059, 5338, 24030, 24028, 6254, 17847, 22443 (AI systems); 25010, 14971, 5469, 24368, 24028 (Safety); 8200 (Controller)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** High-risk AI systems shall be designed and developed in such a way, including with appropriate human-machine interface tools, that they can be effectively overseen by natural persons during the period in which they are in use. Human oversight shall aim to prevent or minimise the risks to health, safety or fundamental rights that may emerge

**Full text**  **Human oversight**  
1. High-risk AI systems shall be designed and developed in such a way, including with appropriate human-machine interface tools, that they can be effectively overseen by natural persons during the period in which they are in use.

Terms	Variant	Complementary	Standard
114 Context of use			33
4 AI systems		25059, 5338, 24030, 24028, 6254, 17847, 22443	33
212 Health			33
214 Safety		25010, 14971, 5469, 24368, 24028	33
278 Controller		8200	33

**OPTIONAL INFORMATION**

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

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

**ID 15 Article 015**

**Specification** Accuracy, robustness and cybersecurity

**Relationship with Standard** 25024, 5259-2, 25012, 29119-11 (Accuracy); 5259-2 (Bias detection and correction); 24029-1, 24029-2 (Robustness); 5259-2, 22989 (Data quality reporting); 5259-1, 31010 (Data collection processes); 24027, 5338, 17847, 22443, 5339, 62304 (Lifecycle); 25024, 42001, 27000 (Measurement and method); 5259-2 (Origin of data); 25059, 25010, 24028, 9868 (Security); 22989 (Cybersecurity)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** High-risk AI systems shall be designed and developed in such a way that they achieve an appropriate level of accuracy robustness and cybersecurity...throughout their lifecycle.

**Full text**  **Accuracy, robustness and cybersecurity**  
1. High-risk AI systems shall be designed and developed in such a way that they achieve an appropriate level of accuracy, robustness, and cybersecurity, and that they perform consistently in those respects throughout their lifecycle.

Terms	Variant	Complementary	Standard
47 Interaction with natural person or other			15
2 Accuracy		25024, 5259-2, 25012, 29119-11	15
65 Robustness achieved with redundancy,			15
29 Data collection processes		5259-1, 31010	15
50 Measurement and method		25024, 42001, 27000	15
46 HR AI Systems			15
13 Bias detection and correction		5259-2	15
49 Lifecycle		24027, 5338, 17847, 22443, 5339, 62304	15
48 Level declaration & instruction of use			15
66 Security		25059, 25010, 24028, 9868	15
41 Examination of biases, health and safety of			15
52 Origin of data		5259-2	15
67 Security and privacy, pseudonymisation			15
28 Data quality reporting		5259-2, 22989	15
50 Measurement and method		25024, 42001, 27000	15
18 Robustness		24029-1, 24029-2	15
215 Cybersecurity		22989	15
45 How to measure, metrology			15

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

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**ID 17** **Article 017**

**Specification** Quality management system

**Relationship with Standard** 25024, 5259-2, 25059, 25019, 25012 (Accessibility); 25059 (AI models); 5259-2 (Bias detection and correction); 25024, 5259-2, 25019, 25012 (Compliance); 5259-2 (Data holder); 5259-2 (Identifiability); 8183, 5259-1, 5259-4 (Data life cycle); 24027, 23894, 82079-1, 26514 (Design); 24027, 5338, 17847, 22443, 5339, 62304 (Lifecycle); 42001 (Cleaning); 42001, 23894 (Leadership); 42001 (Planning); 25019 (Post-market); 42001, 5259-3, 23894, 27000, 24970, 31000, 25058 (Risk management); 42001, 5339 (Accountability)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** Providers of high-risk AI systems shall put a quality management system in place that ensures compliance with the AI Act regulation.

**Full text**  **Quality management system**  
1. Providers of high-risk AI systems shall put a quality management system in place that ensures compliance with this Regulation. That system shall be documented in a systematic and orderly manner in the form of written policies, procedures and instructions, and shall

Terms	Variant	Complementary	Standard	
22 Data holder			5259-2	17
86 Leadership			42001, 23894	17
49 Lifecycle			24027, 5338, 17847, 22443, 5339, 62304	17
58 Re-use of the personal data	Quality control			17
71 The personal data in the special categories				17
84 Assessment datasets				17
30 Data life cycle			8183, 5259-1, 5259-4	17
3 AI models			25059	17
80 Cleaning			42001	17
87 Planning			42001	17
21 Compliance			25024, 5259-2, 25019, 25012	17
24 Identifiability			5259-2	17
34 Design			24027, 23894, 82079-1, 26514	17
100 Post-market	Quality in use		25019	17
1 Accessibility			25024, 5259-2, 25059, 25019, 25012	17
101 Risk management			42001, 5259-3, 23894, 27000, 24970, 31000, 25058	17
13 Bias detection and correction			5259-2	17
273 Accountability			42001, 5339	17

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**Observations**

**ID 32** **Article 043**

**Specification** Conformity assessment

**Relationship with Standard** 25059, 5338, 24030, 24028, 6254, 17847, 22443 (AI systems); 27000 (Conformity); 5259-3, 14971, 38500, 9868 (Management); 25010, 14971, 5469, 24368, 24028 (Safety); 82079-1 (Technical documentation); 29119-11 (Assessment)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** Conformity assessment procedures are based on:  
- the internal control referred to in Annex VI  
- the assessment of the quality management system and the technical documentation

**Full text**  **Conformity assessment**  
1. For high-risk AI systems listed in point 1 of Annex III, where, in demonstrating the compliance of a high-risk AI system with the requirements set out in Section 2, the provider has applied harmonised standards referred to in Article 40, or, where applicable,

Terms	Variant	Complementary	Standard	
170 Management			5259-3, 14971, 38500, 9868	32
289 Quality management				32
246 Technical documentation			82079-1	32
144 Conformity			27000	32
286 Assessment			29119-11	32
212 Health				32
214 Safety			25010, 14971, 5469, 24368, 24028	32
4 AI systems			25059, 5338, 24030, 24028, 6254, 17847, 22443	32

**OPTIONAL INFORMATION**

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**Observations**







New

# Articles AI ACT

Standard

AI Act

Mapping

Terminology

Article

new

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**ID** 35 **Article 074**

**Specification** Market surveillance and control of AI systems in the Union market

**Relationship with Standard** 25059, 5338, 24030, 24028, 6254, 17847, 22443 (AI systems); 25024, 5259-2, 22989, 24028 (Validation); 8183, 17847 (Verification and validation); 25019 (Verification)

**Link** <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689>

**Summary** Regulation (EU) 2019/1020 shall apply to AI systems covered by this Regulation. For the purposes of the effective enforcement of this Regulation:  
 (a) any reference to an economic operator under Regulation (EU) 2019/1020 shall be understood as including all operators identified in Article 2(1) of this Regulation;  
 (b) any reference to a product under Regulation (EU) 2019/1020 shall be understood as including all AI systems falling within the scope of this Regulation.

Terms	Variant	Complementary	Standard	
294	Verification		25019	35
76	Validation		25024, 5259-2, 22989, 24028	35
70	Testing data sets			35
4	AI systems		25059, 5338, 24030, 24028, 6254, 17847, 22443	35
110	Verification and validation		8183, 17847	35

**OPTIONAL INFORMATION**

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

Observations:

**Full text**

**Market surveillance and control of AI systems in the Union market**

1. Regulation (EU) 2019/1020 shall apply to AI systems covered by this Regulation. For the purposes of the effective enforcement of this Regulation:  
 (a) any reference to an economic operator under