AI ACT

New		Standard	AI Act	Mapping	Terminology	UNINFO UNI
			Article			Technical Committee 533 AI
						ai open mind — Hosting and developing

Article 001

ID 22

Specification: *Subject matter*

Relationship with Standard: **24029-1, 22989** *(Artificial intelligence)*, **25010, 14971** *(Safety)*

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

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

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

Note:

Article 002

ID 23

Specification: *Scope*

Relationship with Standard:

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

	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

Note:

Article 003

ID 21

	Terms	Variant	Complementary	Standard	
194	Artificial intelligence			24029-1, 22989	21
4	AI systems			25059, 5338	21

Specification: *Definitions*

Relationship with **Standard**: **25059, 5338** *(AI systems)*, **24029-1, 22989** *(Artificial intelligence)*

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

Summary: The article start with a definition of Artificial Intellligence system continuing with mentioning other terms such as: risk, AI model, deployer, authorized representative, importer, distributor, operator, placing on the market, making avaailable on the market, putting into service, intended purpose, reasonable foreseeable misuse, safety component, and so on.

Note:

Article 004

ID 24

	Terms	Variant	Complementary	Standard	
222	Providers				24
223	Deployers				24
234	Literacy				24
231	Knowledge			22989	24
134	Experience			25019	24
232	Education				24
233	Training				24
4	AI systems			25059, 5338	24
230	AI literacy				24

Specification: *AI literacy*

Relationship with **Standard**: **25059, 5338** *(AI systems)*, **25019** *(Experience)*, **22989** *(Knowledge)*

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

Summary: Providers and deployers ensure the AI literacy to their staff

Note:

Article 005

ID	25
Specification	*Prohibited AI Practices*
Relationship with **Standard**	**25024, 5259-2, 25059, 25019** *(Accessibility),* **14971** *(Market for medical or safety reasons)*
Link	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689
Summary	Tha following AI practices shall be prohibited: - manipulative or deceptive tecniques - the placing on the market the use of an AI system that exploit any vulnerabilities of a person or a specific group of persons due to their age, disability or a specific social or economic situation - evaluation or classification of natural persons or groups of persons ...

Terms	Variant	Complementary	Standard
239 Market for medical or safety reasons			**14971** 25
1 Accessibility			**25024, 5259-2, 25059, 25019** 25

Note

Article 008

ID	20
Specification	*Compliance with the requirements*
Relationship with **Standard**	**27000** *(Compliance with the requirements)*
Link	https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32024R1689
Summary	High-risk AI systems shall comply with the requirements laid down in the Section 2. The risk managemnt system referred to in Article 9 shall be considered when ensuring compliance with those requirements.

Terms	Variant	Complementary	Standard
147 Compliance with the requirements			**27000** 20

Note

ID 19 | **Article 009**

Specification | *Risk management system*

Relationship with Standard | **24027, 5338** *(Lifecycle)*, **42001, 5259-3, 23894, 27000** *(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.

Terms	Variant	Complementary	Standard	
101 Risk management			**42001, 5259-3, 23894, 27000**	19
49 Lifecycle			**24027, 5338**	19
145 Documented information			**27000**	19
158 Risk evaluation			**27000, 14971**	19
154 Residual risk			**27000, 14971**	19
153 Measurement			**5259-1, 27000**	19

Note

ID 10 | **Article 010**

Specification | *Data and data governance*

Relationship with Standard | **25059** *(Annotation)*, **5259-2** *(Bias detection and correction)*, **25024, 5259-2** *(Consistency)*, **5259-1, 31010** *(Data collection processes)*, **24027, 23894** *(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** *(Governance)*, **5259-1, 25019** *(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.

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**	10
34 Design			**24027, 23894**	10
46 HR AI Systems				10
29 Data collection processes			**5259-1, 31010**	10
5 Annotation			**25059**	10
25 Consistency			**25024, 5259-2**	10
80 Cleaning			**42001**	10
102 Labelling				10
116 Data quality			**5259-1, 25019**	10

Note

Article 015

ID 15

Specification *Accuracy, robustness and cybersecurity*

Relationship with Standard *25024, 5259-2 (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 (Lifecycle), 25024, 42001, 27000 (Measurement and method), 5259-2 (Origin of data), 25059, 25010 (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...yhrought their lifecycle.

	Terms	Variant	Complementary	Standard	
47	Interaction with natural person or other				15
2	Accuracy			25024, 5259-2	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	15
48	Level declaration & instruction of use				15
66	Security			25059, 25010	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	Robusteness			24029-1, 24029-2	15
215	Cybersecurity			22989	15

Note

Article 017

ID 17

Specification *Quality management system*

Relationship with Standard *25024, 5259-2, 25059, 25019 (Accessibility), 25059 (AI models), 5259-2 (Bias detection and correction), 25024, 5259-2, 25019 (Compliance), 5259-2 (Data holder), 5259-2 (Identifiability), 8183, 5259-1, 5259-4 (Data life cycle), 24027, 23894 (Design), 24027, 5338 (Lifecycle), 42001 (Cleaning), 42001, 23894 (Leadership), 42001 (Planning), 25019 (Post-market), 42001, 5259-3, 23894, 27000 (Risk management)*

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.

	Terms	Variant	Complementary	Standard	
22	Data holder			5259-2	17
86	Leadership			42001, 23894	17
49	Lifecycle			24027, 5338	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	17
24	Identifiability			5259-2	17
34	Design			24027, 23894	17
100	Post-market	Quaity in use		25019	17
1	Accessibility			25024, 5259-2, 25059, 25019	17
101	Risk management			42001, 5259-3, 23894, 27000	17
13	Bias detection and correction			5259-2	17

Note

ID 26

Article 073

Specification *Reporting of serious incidents*

Relationship with Standard **25010, 14971** *(Safety)*

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

Summary Providers of hight-risk AI systems placed on the Union market shall report any yserious incident to the market surveillance authorities of the Member States where that incident occurred

	Terms	Variant	Complementary	Standard	
241	Incident				26
214	Safety			**25010, 14971**	26

Note