The data exposed has research value and not legal value.

ID **22**

Article 001

Specification *Subject matter*

Relationship with **Standard** **24029-1, 22989** *(Artificial intelligence);* **25010, 14971, 5469** *(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, 5469**	22
209 Fundamental righs				22
217 Democracy				22
218 Environmental protection				22
220 Harmful effects				22
219 Innovation				22

OPTIONAL INFORMATION

Name and Surname: Domenico Natale
Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)
Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID **23**

Article 002

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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale
Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)
Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID **21**

Article 003

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.

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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale

Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)

Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID **24**

Article 004

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

	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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale

Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)

Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID **25**

Article 005

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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale
Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)
Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID **20**

Article 008

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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale
Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)
Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale

Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)

Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

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 criteria 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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale

Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)

Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID 15 Article 015

Specification *Accuracy, robustness and cybersecurity*

Relationship with **Standard** **25024, 5259-2** *(Accuracy);* **5259-2** *(Bias detection and correction);* **24029-1, 24029-2** *(Robusteness);* **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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale
Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)
Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

ID 17 Article 017

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

OPTIONAL INFORMATION

Name and Surname: Domenico Natale
Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)
Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations

New

AI ACT

Standard | AI Act | Article | Mapping | Terminology

The data exposed has research value and not legal value.

UNINFO UNI
Technical Committee 533 AI
aiopenmind Hosting and developing

ID **26**

Article 073

Specification *Reporting of serious incidents*

Relationship with **Standard** **25010, 14971, 5469** *(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, 5469	26

OPTIONAL INFORMATION

Name and Surname: Domenico Natale

Affiliation and Qualification: UNI CT 533 (member), UNI CT 504 (president)

Linkedin ... other: https://www.linkedin.com/in/domenico-natale-a9b99812/?originalSubdomain=it

Observations