STANDARD	Standard A Number	J Act Mapping	Terminology	Technical Committee 533 AI
	Terms	Variant	Complementary AI Act	
<i>ID</i> 15 <b>5259 - 1</b>	<sup>30</sup> Data life cycle		Article 017	15
Specification Overview, terminology and examplse	29 Data collection processes		Article 015, Article 010	15
	162 Data user			15
Relationship with Article 015, Article 010 (Data collection processes), Article 017 (Data life cycle), Article 010 (Data quality), Article 009 (Measurement)	<sup>116</sup> Data quality		Article 010	15
Al Act Article 009 (Measurement)	163 Data quality model			15
	153 Measurement		Article 009	15
	<sup>164</sup> Analitics			15
	<sup>165</sup> Data quality management			15
Link https://www.iso.org/search.html?PROD_isoorg_en %5Bquery%5D=5259-1	<sup>166</sup> Data governance			15
Scope This document provides the means for understanding and associating the individual documents of the ISO/IEC	<sup>167</sup> Data provenance			15
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).				
				•
	Note			
	Terms	Variant	Complementary AI Act	
ID 3 5259 - 2	<sup>21</sup> Compliance	complete	Article 017	3

Article 017, Article 005

Article 015, Article 010, Article 017

•

Article 017 Article 010

complementary complementary complementary complementary complementary complementary Article 010 complementary Article 010 complementary complementary complementary complementary complementary

ID 3	5259	- 2		- '	Compliance	complete
				1	Accessibility	access
Specification	Data quality mea	sures		22	Data holder	identifiability
Relationship with	Article 017. Article	e 005 (Acce	ssibility), Article 015 e 010, Article 017 (Bi	25	Consistency	
Ai Act	detection and corre	ection), Artic	ele 017 (Compliance), cle 017 (Identifiability)	11	Balance	
	Article 010 (Consi reporting) Article	stency), Article	cle 017 (Data quality) 010 (Origin of data),	20	Completeness	
	Article 010 (Qualit validation, testing of	v criteria). A	rticle 010 (Training,	63	Resilience regarding errors, faults,	dataset
				13	Bias detection and correction	dataset
Link	https://www.iso.org	/standard/8	1860.html	26	Credibility	
Scope	This document spe	cifies a data	quality model, data	75	Understandability	
	in the context of an	alytics and r	on reporting data qua machine learning (ML) all types of organizatio	27	Currentness	
	who want to achiev	e their data	quality objectives.	76	Validation	
				39	Efficiency	
				57	Quality criteria	
				74	Training, validation, testing datasets	
				56	Precision	
				60	Relevance	
				12	Benchmark and measurement methodologie	s
				69	Synthetic or anonymised data	
				37	Documentation of the access, to avoid misus	se
				Not	e	

New	STANDARD	Standard Al Act Number	Mapping		Terminology	Technical Committee 533
		Terms	Variant	Complementary	Al Act	
16	5259 - 3	<sup>168</sup> Data quality plan				16
ecification	Data quality management requirements and	<sup>165</sup> Data quality management				16
	guidelines	<sup>169</sup> Data quality culture				16
elationship with Ai Act	Article 017, Article 009 (Risk management)	<sup>170</sup> Management				16
Ai Act		172 Audit and assessment				16
		<sup>171</sup> Data quality management lifecycle				16
		173 Horizontal aspects				16
		<sup>101</sup> Risk management			Article 017, Article 009	16
Link	https://www.iso.org/standard/81092.html	174 Data format				16
Scope	This document specifies requirements and provides	<sup>175</sup> Managing of data quality dependencies				16
	guidance for establishing, implementing, maintaining and continually improving the quality of data used in the	176 Management system integration				16
	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					
	With a reference process and methods that can be tailored to meet the requirements in this document. The requirements and recommendations set out in this					
1	The requirements and recommendations set out in this document are generic and are intended to be applicable to all organizations, regardless of type, size or nature.					
		Note				
		Note				
		Terms	Variant	Complementary	Al Act	
17	5259 - 4	177 Outsourcing		Complementary	Aradi	17
17		178 Cloud service				17
cification	Data quality process framework	<sup>179</sup> Segmentation				17
lationship	Article 017 (Data life cycle)	<sup>180</sup> Data quality process principles				17
with Ai Act					Autola 017	17
		30 Data life cycle			Article 017	17
		<sup>181</sup> Data quality process validation				
		<sup>182</sup> Data requirements				17
		183 Data labelling				17
	https://www.iso.org/obp/ui/en/#iso:std:iso-iec:5259:	184 Data quality assessment				17
Link	-4:ed-1:v1:en	Data quality assessment				
	-4:ed-1:v1:en	<sup>185</sup> Data decommisionig				17
	-4:ed-1:v1:en This document establishes general common organizational approaches, regardless of the type, size or nature of the applying organization to ensure data					17
	-4:ed-1:v1:en This document establishes general common organizational approaches, regardless of the type, size					17

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; — unsupervised ML; — semi-supervised ML; — rainforcement learning; — analytics This document is applicable to training and evaluation data that come from different sources, including data acquisition and data composition, data preparation, data labelling, evaluation and data use. This document does not define specific services, platforms or tools. ▼ Note

New	STANDARD		Standard	AI Act	Mapping		Terminology	Technical Committee 533 Al
			Number					Hosting and developing
		Terms			Variant	Complementary	ALAct	developing
ID 18	5259 - 5	166 Data gover	nance			Complementaly		18 🔺
	Data quality governance framework	111 Governance	е				Article 010	18
Specification	Data quality governance tramework	146 Governance	e of information	security				18
Relationship with	Article 010 (Governance)	186 Data quality	/ risk manageme	ent				18
Ai Act		187 Responsab	ility of governing	l podh				18
		188 Establish e	nabling environn	nent for data				18
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							
	tramework 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							
	measures, management, and related processes with adequate controls throughout the data life cycle (DLC)							
	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 requirements or process requirements according to ISO/IEC 5259-3 and ISO/IEC							
	5259-4 respectively.							
								<b>▼</b>
		Note						
		Terms			Variant	C	A/ A -+	
(D. 20	5338 -	189 Knowledge	acquisition		, and the	Complementary	AIACI	20
ID <b>20</b>		49 Lifecycle					Article 015, Article 017, Artic	Article 009
Specification	Al System life cycle process	122 System						20
Relationship	Article 003, Article 004 (Al systems), Article 015,	4 AI systems					Article 003, Article 004	20
Ai Act	Article 003, Article 004 (Ar systems), Article 013, Article 017, Article 009 ( <i>Lifecycle</i> )	190 Human res	ource managem	ent process				20
		<sup>191</sup> Quality mar	nagement proces	SS				20
		192 Knowledge	management pr	ocess				20
		49 Lifecycle					Article 015, Article 017, Artic	Article 009 20
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-iec:5338: ed-1:v1:en	193 Maintenand	e process					20
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 22889 and ISO/IEC							
	This document provides processes that support the							
	definition, control, management, execution and improvement of the AI system in its life cycle stages.							
	These processes can also be used within an organization or a project when developing or acquiring							
	Al systems. When an element of an Al system is traditional software or a traditional system, the software life cycle processes in ISO/IEC/IEEE 12207 and the							
	system life cycle processes in ISO/IEC/IEEE 15288 can be used to implement that element.							
								▼
		Note						

New	STANDARD	St	andard AI Act	Mapping		Terminology		
	OTATIBATIB	Ν	umber					nmittee 533 AI
							alopen	Hosting and developing
		Terms		Variant	Complementary	AI Act		
ID <b>11</b>	8183 -	31 Data processed	are secured, protected,		· · · ·			11 🔺
	Data life cycle	93 Preparation						11
Specification		30 Data life cycle				Article 017		11
Relationship with	Article 017 (Data life cycle), Article 010 (Governance)	94 Decommissionir	ng					11
Ai Act		88 Support						11
		109 Busness require	ements					11
		110 Verification and	validation					11
		111 Governance				Article 010		11
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							
	actificial 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 Al systems.							
								•
		Note						
		Terms		Variant	Complementary	Al Act		
(D. 20	14971 -	<sup>159</sup> Risk manageme	ent process		complementary	ArAci		30
ID <b>30</b>		170 Management						30
Specification	Application of risk management to medical devices	<sup>156</sup> Risk analysis						30
Relationship	Article 009 (Residual risk), Article 009 (Risk	<sup>158</sup> Risk evaluation				Article 009		30
with Ai Act	Article 009 (Residual risk), Article 009 (Risk evaluation), Article 001, Article 073 (Safety), Article 005 (Market for medical or safety reasons)	238 Risk estimation						30
		<sup>154</sup> Residual risk				Article 009		30
			cal or safety reasons			Article 005		30
		214 Safety				Article 001, Article 073		30
Link	https://www.iso.org/obp/ui/en/#iso:std:iso:14971:ed	240 Safety compone	ents of devices					30
0	-3:v1:en	Calibry compone						
	This document specifies terminology, principles and a process for risk management of medical devices, including a coffusion and including and in vitro							
	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							
	The requirements of this document are applicable to all phases of the life cycle of a medical device. The process							
	described in this document applies to risks associated with a medical device, such as risks related to							
	biocompatibility, data and systems security, electricity, moving parts, radiation, and usability. The process described in this document can also be							
	applied to products that are not necessarily medical							
	devices in some jurisdictions and can also be used by others involved in the medical device life cycle.							
								•
		Note						

v	STANDARD	Standard Al Act Number	Mapping		Terminology	Technical Committee 53
		Terms	Variant	Complementary		
26	22989 -	<sup>194</sup> Artificial intelligence			Article 003, Article 001	26
cation	Artificial intelligence concepts and terminology	64 Terms related to Al				26
		<sup>206</sup> Terms related to computer vision				26
onship with	Article 015 (Data quality reporting), Article 003, Article 001 (Artificial intelligence), Article 015 (Cybersecurity), Article 004 (Knowledge)	<sup>201</sup> Terms related to data				2
Ai Act	Article 004 (Knowledge)	<sup>202</sup> Terms related to machnine learning				2
		<sup>205</sup> Terms related to natural language proc	essing			2
		<sup>203</sup> Terms related to neural networks				2
		204 Terms related to trustworthiness				2
Link	https://www.iso.org/obp/ui/en/#iso:std:iso- iec:22989:ed-1:v1:en	<sup>28</sup> Data quality reporting			Article 015	2
Scope	This document establishes terminology for AI and describes concepts in the field of AI.	<sup>215</sup> Cybersecurity			Article 015	2
	describes concepts in the field of AI. This document can be used in the development of other standards and in support of communications among	231 Knowledge			Article 004	2
	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).	76 Validation				3
		Note				
24	23894 -	Terms <sup>101</sup> Risk management	Variant	Complementary	Article 017, Article 009	
		<ul><li><sup>101</sup> Risk management</li><li><sup>86</sup> Leadership</li></ul>	Variant	Complementary		2
cation	Guidance on risk management	<sup>101</sup> Risk management	Variant	Complementary	Article 017, Article 009	2
cation	Guidance on risk management	<ul><li><sup>101</sup> Risk management</li><li><sup>86</sup> Leadership</li></ul>	Variant	Complementary	Article 017, Article 009 Article 017	ء د د
cation		101     Risk management       86     Leadership       34     Design	Variant	Complementary	Article 017, Article 009 Article 017	ء ء ء
cation	Guidance on risk management	101       Risk management         86       Leadership         34       Design         90       Evaluation	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2
cation	Guidance on risk management	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement	Variant	Complementary	Article 017, Article 009 Article 017	ء ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩ ٩
cation	Guidance on risk management	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3
cation onship with Ai Act	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management)	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894.ed-1.v1.en	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894.ed-1.v1.en	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894.ed-1.v1.en	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	ء ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1:v1:en This document provides guidance on how organizations 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 artivities and functions	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	ء ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	ء ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso.std:iso- iec.23894:ed-1:v1:en This document provides guidance on how organizations 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.	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	ء ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	ء ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes         236       Products	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes         236       Products	Variant	Complementary	Article 017, Article 009 Article 017	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes         236       Products	Variant	Complementary	Article 017, Article 009 Article 017	ء ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱ ۱
cation onship with Ai Act Link Scope	Guidance on risk management Article 010, Article 017 (Design), Article 017 (Leadership), Article 017, Article 009 (Risk management) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:23894:ed-1.v1:en This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services torganizations to integrate risk management into their Al-related activities and functions. It moreover describes provides guidance and activities ind functions. It moreover describes processes for the effective implementation and integration of this guidance and services	101       Risk management         86       Leadership         34       Design         90       Evaluation         91       Improvement         160       Risk treatment         112       Monitoring         235       Processes         236       Products	Variant	Complementary	Article 017, Article 009 Article 017	

New	STANDARD	Standard Al	Act Mapping	Terminology	Technical Committee 533 Al
					Hosting and developing
40	04007	Terms     51   Functional correctness	Variant	Complementary Al Act	13
ID <b>13</b>	24027 -	16 Characteristics of the data sets r	may be met at		13
Specification	Bias in AI systems and AI aided decision making	<sup>14</sup> Bias			13
Relationship with	Article 010, Article 017 (Design), Article 015, Article 017, Article 009 (Lifecycle)	<sup>106</sup> Data bias			13
Ai Act		<sup>34</sup> Design		Article 010, Article 01	
		49 Lifecycle		Article 015, Article 01	
		<ul><li><sup>107</sup> Software testing</li><li><sup>108</sup> Social responsibility</li></ul>			13
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-iec:				
Scope	tr:24027:ed-1:v1:en				
	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. AII AI system Illecycle				
	bias are described, with the aim to address and treat bias-related vulnerabilities. All Al system lifecycle				
	phases are in scope, including but not limited to data collection, training, continual learning, design, testing, evaluation and use.				
					<b></b>
		Note			
		Terms	Variant	Complementary Al Act	
ID <b>21</b>	24029 - 1	<sup>194</sup> Artificial intelligence	Variant	Complementary AI Act Article 003, Article 00	
	Assessment of the robustness of neural networks -	<ul> <li><sup>194</sup> Artificial intelligence</li> <li><sup>195</sup> Artificial neural network</li> </ul>	Variant		21 21 21 21 21
Specification	Assessment of the robustness of neural networks - Part 1 Overview	194     Artificial intelligence       195     Artificial neural network       196     Testing	Variant	Article 003, Article 00	21
Specification	Assessment of the robustness of neural networks - Part 1 Overview	<ul> <li><sup>194</sup> Artificial intelligence</li> <li><sup>195</sup> Artificial neural network</li> </ul>			21
Specification	Assessment of the robustness of neural networks -	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification	Assessment of the robustness of neural networks - Part 1 Overview	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence)	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso.std.iso-iec:	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194     Artificial intelligence       195     Artificial neural network       196     Testing       18     Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194     Artificial intelligence       195     Artificial neural network       196     Testing       18     Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194     Artificial intelligence       195     Artificial neural network       196     Testing       18     Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194     Artificial intelligence       195     Artificial neural network       196     Testing       18     Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194     Artificial intelligence       195     Artificial neural network       196     Testing       18     Robusteness		Article 003, Article 00 Article 015	21 21 21
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194     Artificial intelligence       195     Artificial neural network       196     Testing       18     Robusteness		Article 003, Article 00 Article 015	
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness         74       Training, validation, testing data         19		Article 003, Article 00 Article 015	
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness         74       Training, validation, testing data         19		Article 003, Article 00 Article 015	
Specification Relationship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness), Article 010 (Training, validation, testing datasets), Article 003, Article 001 (Artificial intelligence) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194       Artificial intelligence         195       Artificial neural network         196       Testing         18       Robusteness         74       Training, validation, testing data         19		Article 003, Article 00 Article 015	

New	STANDARD		Standard Al Ac	t Mapping	]	Terminology	Technical Committee 533 AI
		_					Hosting and developing
		Terms 197 Domain		Variant	Complementary Al	Act	22
ID <b>22</b>	24029 - 2	<sup>197</sup> Domain <sup>198</sup> Bounded dom	nain				22
Specification	Assessment of the robustness of neural networks - Part 2 Methodology for the use of formal methods	<sup>199</sup> Architecture					22
		200 Time series					22
Relationship with Ai Act		18 Robusteness			Ar	ticle 015	22
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-						
	iec:24029:-2:ed-1:v1:en						
	This document provides methodology for the use of formal methods to assess robustness properties of neural petworks. The document focuses on how to						
	neural networks. The document focuses on how to select, apply and manage formal methods to prove robustness properties.						
							▼
		Note					
		Terms		Variant	Complementary Al	Act	
ID <b>23</b>	24029 - 3						<b>▲</b>
Specification	AWI Assessment of the robustness of neural networks - Part 3 Methodology for the use of formal						
Relationship	methods						
with Ai Act							
Link	https://www.iso.org/standard/86901.html						
Scope	This document AWI provides methodology for the use of statistical methods to assess robustness properties of neural networks. The document focuses on how to						
	neural networks. The document focuses on how to select, apply and manage statistical methods to assess robustness properties.						
	AWI is not fully considered						
		Note					<b></b>

STANDARD 25010 - QuaRE - Product quality model QuaRE - Product quality model CuaRE - Product quality model rticle 015 (Security), Article 001, Article 073 (Safety) Tricle 015 (Security), Article 001, Article 073 (Safety) Security of the offer	Number         207       Functional suitability         208       Performance efficiency         98       Compatibility         210       Interaction capability         211       Reliability         213       Flexibility         213       Flexibility         214       Safety	Variant	Complementary AI Act	Technical Committee 533 A Competition Hosting and developing 27 27 27 27 27 27 27 27 27 27
QuaRE - Product quality model rticle 015 (Security), Article 001, Article 073 (Safety) tps://www.iso.org/obp/ui/en/#iso:std:iso- c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine naracteristics (which are further subdivided into bocharacteristics) that relate to quality properties of the oduct quality model is composed of nine naracteristics (which are further subdivided into bocharacteristics) that relate to quality properties of the oduct quality is document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, iCT	207       Functional suitability         208       Performance efficiency         98       Compatibility         210       Interaction capability         211       Reliability         66       Security         99       Maintainability         213       Flexibility	Variant	Article 015	27 27 27 27 27 27 27 27 27 27
QuaRE - Product quality model rticle 015 (Security), Article 001, Article 073 (Safety) tps://www.iso.org/obp/ui/en/#iso:std:iso- c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine naracteristics (which are further subdivided into bocharacteristics) that relate to quality properties of the oduct quality model is composed of nine naracteristics (which are further subdivided into bocharacteristics) that relate to quality properties of the oduct quality is document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, iCT	208       Performance efficiency         98       Compatibility         210       Interaction capability         211       Reliability         66       Security         99       Maintainability         213       Flexibility		Article 015	27 27 27 27 27 27 27 27 27 27 27
QuaRE - Product quality model rticle 015 (Security), Article 001, Article 073 (Safety) tps://www.iso.org/obp/ui/en/#iso:std:iso- c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine naracteristics (which are further subdivided into bocharacteristics) that relate to quality properties of the oduct quality model is composed of nine naracteristics (which are further subdivided into bocharacteristics) that relate to quality properties of the oduct quality is document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, iCT	98     Compatibility       210     Interaction capability       211     Reliability       66     Security       99     Maintainability       213     Flexibility			27 27 27 27 27 27 27 27 27
tps://www.iso.org/obp/ui/en/#iso:std:iso- c:25010:ed-2:v1:en is document defines a product quality model, which is oplicable to ICC (information and communication chnology) products and software products. The oduct quality model is composed of nine product quality model is composed of nine bacharacteristics (which are further subdivided into bacharacteristics) that relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, Software,	210 Interaction capability 211 Reliability 66 Security 99 Maintainability 213 Flexibility			27 27 27 27 27 27
tps://www.iso.org/obp/ui/en/#iso:std:iso- c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine aracteristics (which are further subdivided into ubcharacteristics) that relate to quality properties of the oducts. The characteristics and subcharacteristics wide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, software,	211 Reliability 66 Security 99 Maintainability 213 Flexibility			27 27 27 27
c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bocharacteristics) hat relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct components include subsystems, software,	66 Security 99 Maintainability 213 Flexibility			27 27 27 27
c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bocharacteristics) hat relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct components include subsystems, software,	<sup>99</sup> Maintainability <sup>213</sup> Flexibility			27 27
c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bocharacteristics) hat relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct components include subsystems, software,	213 Flexibility		Article 001, Article 073	27
c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bocharacteristics) hat relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct components include subsystems, software,			Article 001, Article 073	
c:25010:ed-2:v1:en is document defines a product quality model, which is policable to ICT (information and communication chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bocharacteristics) hat relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct components include subsystems, software,	214 Safety		Article 001, Article 073	27
chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bicharacteristics) that relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, software,				
chnology) products and software products. The oduct quality model is composed of nine arracteristics (which are further subdivided into bicharacteristics) that relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, software,				
aracteristics (which are further subdivided into bicharacteristics) that relate to quality properties of the oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is part of an information system, software,				
oducts. The characteristics and subcharacteristics ovide a reference model for the quality of the products be specified, measured and evaluated. OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct that is used subsystems, software,				
OTE 1 In this document, a product refers to an ICT oduct that is part of an information system. ICT oduct components include subsystems, software,				
oduct components include subsystems, software,				
nd other elements that are part of the ICT product.				
nd evaluation of the target products' quality throughout eir lifecycle by several stakeholders, including evelopers, acquirers, quality assurance and control				
aff and independent evaluators.				
	Note			
	7	Verient		
05010		vanan		25
				25
uality-in-use model				25
rticle 017 Article 005 (Accessibility) Article 017				25
Compliance), Article 017 (Post-market), Article 010 Data guality), Article 004 (Experience)			Article 017. Article 005	25
				25
	-		Article 010	25
				25
tps://www.iso.org/obp/ui/en/#iso:std:iso-				25
C:25019:ed-1:V1:en				25
three characteristics (which are further subdivided into				25
ntext of use. This model is applicable to the entire				25
cluding both computer system and IT service system,				25
oducts in use.	-			25
Jality-In-use.				25
this document, because context of use is specified as erequisite of quality-in-use, context of use is necessary	-			25
service intend to fulfil to context of use changes.				25
				25
				25
				25
				25
	Note			
	L			
	25019     -      25019     -      ality-in-use model      ticle 017, Article 005 (Accessibility), Article 017     mpilance), Article 017 (Post-market), Article 010     ata quality), Article 004 (Experience)      source of the second se	25019       -         nality-in-use model       100         111       Monitoring         112       Monitoring         113       Stakeholder         90       Evaluation         113       Stakeholder         90       Evaluation         113       Stakeholder         90       Evaluation         114       Article 005 (Accessibility), Article 010         113       Stakeholder         90       Evaluation         114       Accessibility         97       Usability         116       Data quality         117       Information system         118       Customer         119       Note         111       Information system and IT service system, Inter out sustenders in use and software duality -in-use         119       Risk         120       Society         121       Software quality         122       System         123       Target entity         124       User         125       Direct user         124       User         125       Beneficialness         126       Beneficialness <td>If and independent evaluators.         If and independent evalop indent evaluators.      &lt;</td> <td>If and noopendent evaluators.         25019       -         Image: Solution of the solution of the</td>	If and independent evaluators.         If and independent evalop indent evaluators.      <	If and noopendent evaluators.         25019       -         Image: Solution of the

## **STANDARD**

		Terms	Variant
ID <b>2</b>	25024 -	<sup>2</sup> Accuracy	free of erro
Specification	Measurement of data quality	<sup>21</sup> Compliance	complete
		<sup>1</sup> Accessibility	access
Relationship with	Article 017, Article 005 (Accessibility), Article 015 (Accuracy), Article 017 (Compliance), Article 010 (Compliance), Article 010	<sup>50</sup> Measurement and method	
Ai Act	Article 010 (Quality criteria), Article 010 (Training,	23 Confidentiality	personal d
	validation, testing datasets)	<sup>11</sup> Balance	
		<sup>26</sup> Credibility	
1 :		25 Consistency	
LINK	https://www.iso.org/obp/ui/en/#iso:std:iso- iec:25024:ed-1:v1:en	<sup>27</sup> Currentness	
Scope	This International Standard defines data quality measures for quantitatively measuring the data quality in	<sup>76</sup> Validation	
	terms of characteristics defined in ISO/IEC 25012. This International Standard contains the following:	40 Eliminate or reduce biased output	
	<ul> <li>a basic set of data quality measures for each characteristic;</li> </ul>	57 Quality criteria	
	<ul> <li>a basic set of target entities to which the quality measures are applied during the data-life-cycle;</li> </ul>	<sup>74</sup> Training, validation, testing datasets	
	<ul> <li>an explanation of how to apply data quality measures;</li> <li>a guidance for organizations defining their own</li> </ul>	<sup>56</sup> Precision	
	measures for data quality requirements and evaluation. It includes, as informative annexes, a synoptic table of quality measure dependent defined in this International	60 Relevance	
	quality measure elements defined in this International standard (Annex A), a table of quality measures associated to each quality measure element and target	<sup>50</sup> Measurement and method	
	entitiv (Annex B), considerations about specific quality	<sup>10</sup> Auditability	
	measure elements (Annex C), a list of quality measures in alphabetic order (Annex D), and a table of quality measures grouped by characteristics and target entities	<sup>142</sup> Non-repudiation	
	(Annex E). This International Standard does not define ranges of	73 Traceability	
	values of these quality measures to rate levels or grades because these values are defined for each system by its parties depending on the system context and upper	<sup>20</sup> Completeness	
	nature depending on the system context and users' needs. This International Standard can be applied to any kind of	Note	
	This International Standard can be applied to any kind of data retained in a structured format within a computer system used for any kinds of applications.	Note	
	People managing data and services including data are the primary beneficiaries of the quality measures.		
	This International Standard is intended to be used by people who need to produce and/or use data quality		
	measures while pursuing their responsibilities. — Acquirer (an individual or organization that acquires		
	or procures data from a supplier). — Evaluator (an individual or organization that performs an evaluation, which can, for example, be a testing		
	laboratory, the quality department of an organization, a		
		Terms 5 Annotation	Variant
ID <b>19</b>	25059 -		
Specification	Quality model for AI System		
Relationship		4 Al systems	
with	Article 017, Article 005 (Accessibility), Article 017 (Al models), Article 003, Article 004 (Al systems), Article 010 (Annotation), Article 015 (Security)	3 Al models	
	010 (Annotation), Article 015 (Security)	· · · · · · · · · · · · · · · · · · ·	
		95 Controllability	
		<sup>78</sup> Functional adaptability	
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	64 Terms related to Al	0.1
	iec:25059:ed-1:v1:en	66 Security	Cybersecu
Scope	This document outlines a quality model for AI systems and is an application-specific extension to the standards	97 Usability	Interaction
	on SQuaRE. The characteristics and sub-characteristics detailed in the model provide consistent terminology for	98 Compatibility	
	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.		
		Note	
		L	

	Number					• • •
					Hosting and developing	d
	Terms	Variant	Complementary	Al Act		
	Accuracy	free of errors		Article 015	2	4
1	Compliance	complete		Article 017	2	
	Accessibility	access		Article 017, Article 005	2	
0	Measurement and method			Article 015	2	
3	Confidentiality	personal data			2	
1	Balance				2	
6	Credibility		complementary		2	
5	Consistency		complementary	Article 010	2	
7	Currentness		complementary		2	
6	Validation		complementary		2	
0	Eliminate or reduce biased output		complementary		2	
7	Quality criteria		complementary	Article 010	2	
4	Training, validation, testing datasets		complementary	Article 010	2	
6	Precision		complementary		2	
0	Relevance		complementary		2	
0	Measurement and method			Article 015	2	
0	Auditability				2	
42	Non-repudiation				2	
3	Traceability				2	ſ
0	Completeness				2	_
	ſ					

Mapping

Al Act

Number

Technical Committee 533 AI

Terminology

	Terms	Variant	Complementary	AI Act	
5	Annotation			Article 010	19
35	Quality model				19
4	AI systems			Article 003, Article 004	19
3	Al models			Article 017	19
1	Accessibility			Article 017, Article 005	19
95	Controllability				19
78	Functional adaptability				19
64	Terms related to Al				19
66	Security	Cybersecurity		Article 015	19
97	Usability	Interaction capability			19
98	Compatibility				19
					P
Not	e				

New	STANDARD

Standard	Al Act				
Number					



Terminology

Technical Committee 533 AI

Terms Variant Complementary AI Act 137 Access control **^** 27000 -ID 28 138 Attack Specification Information security management system Overview and vocabulary 139 Authentication Article 015 (Measurement and method), Article 017, Article 009 (Risk management), Article 009 (Documented information), Article 008 (Compliance with the requirements), Article 009 (Measurement), Article 009 (Residual risk), Article 009 (Risk evaluation) Relationship with Ai Act 140 Authenticity 10 Auditability 105 Competence evaluation) 23 Confidentiality 143 Consequence Link https://www.iso.org/obp/ui/en/#iso:std:iso-iec:27000:ed-5:v1:en 144 Conformity Scope This document provides the overview of information security management systems (ISMS). It also provides terms and definitions commonly used in the ISMS family of standards. This document is applicable to all types and sizes of organization (e.g. commercial enterprises, government agencies, not-for-profit organizations). The terms and definitions provided in this document — cover commonly used terms and definitions in the ISMS family of standards; and definitions applied within the ISMS family of standards; and — do not limit the ISMS family of standards; and a terms for use. 143 Consequence 145 Documented information Article 009 146 Governance of information security <sup>148</sup> Governing body 91 Improvement <sup>117</sup> Information system 79 Organization 150 Internal context 151 Level of risk 152 Management system 153 Measurement Article 009 Note Terms Variant Complementary AI Act 237 Risk assessment techniques ID 29 31010 -79 Organization Specification Risk assessment techniques 112 Monitoring 29 Data collection processes Relationship rticle 015, Article 010 (Data collection processes) Article 015, Article 010 with Ai Act Link https://www.iso.org/obp/ui/en/#iso:std:iec:31010:ed Scope Not available ▼ Note

			Standard		1			Terminalanu	
		_	Number	AI Act		Mapping		Terminology	Technical Committee 533 AI
		_	Humber						Hosting and developing
		Terms				Variant	Complementary	/ Al Act	~
D 14 42001 -		Cleaning						Article 010, Article 017	14
Specification Management system		87 Planning Article 017							14
		Support		14					
Relationship with Article 015 (Measurement and method), Article 010, Ai Act Article 017 (Leadership), Atticle 017 (Leadership),		Operation							14
Ai Act Article 017 (Cleaning), Article 017, Cleadersnip), Article 017 (Clanning), Article 017, Article 009 (Risk management)		Evaluation							14
		mprovement Acquisition							14
		Veasurement	t and methor	4				Article 015	14
Link https://www.iso.org/obp/ui/en/#iso:std:iso-		Organization		, 				Article 015	14
iec:42001:ed-1:v1.en								Article 017	14
guidance for establishing, implementing, maintaining and continually improving an AI (artificial intelligence)		Risk manager	ment					Article 017, Article 009	14
management system within the context of an organization.	105	Competence							14
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	152	Vanagement	system						14
organization develop, provide or use AI systems responsibly in pursuing its objectives and meet									
applicable requirements, obligations related to interested parties and expectations from them.									
This document is applicable to any organization, regardless of size, type and nature, that provides or uses products or services that utilize AI systems.									
products or services that utilize AI systems.									
									<b>•</b>
	Note								
		L							