New	STANDARD		Standa Numb		Mapping		Terminology	Technical Committee 533 AI
	The data presented have a value for researd	ch and no						Hosting and developing
	The data presence have a value for research	Teri	ms		Variant	Complementary	Al Act	~
ID <b>45</b>	4213 -		chine learning ssification				Article 006	45
Specification	Assessment of Machine learning classification	255 Cla	ssilication				Article 006	
Relationship with Ai Act	performance Article 006 (Classification)							
Ai Act								
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-iec:	·						
Scope	ts:4213:ed-1:v1:en TS This document specifies methodologies for							
	measuring classification performance of machine							
	learning models, systems and algorithms.							
								<b>•</b>
		Name and	L INFORMATION	Affiliation and		Linkedin		
		Surname Observation		Qualification		other		
		Ten 30 Dat	ns a life cycle		Variant	Complementary	Al Act Article 017	15
ID <b>15</b>	5259 - 1		a collection proc	esses			Article 017 Article 015, Article 010	15
	Overview, terminology and examplse	162 Dat	auser					15
Relationship with	Article 015, Article 010 (Data collection processes); Article 017 (Data life cycle); Article 010 (Data quality); Article 009 (Measurement)	116 Dat	a quality				Article 010	15
Ai Act	(Measurement)		a quality model					15
		<sup>153</sup> Me	asurement				Article 009	15
			a quality manage	ement				15
Link	https://www.iso.org/search.html? PROD_isoorg_en%5Bquery%5D=5259-1		a governance					15
Scope	This document provides the means for	167 Dat	a provenance					15
	understanding and associating the individual documents of the ISO/IEC 5259 series and is the							
	foundation for conceptual understanding of data quality for analytics and machine learning. It also							
	discusses associated technologies and examples							
	(e.g. use cases and usage scenarios).							
		OPTIONA	L INFORMATION					<b>T</b>
				Affiliation and UNI CT 533 ( Qualification UNI CT 504 (	member) president)	Linkedin https://www.link other originalSubdom	edin.com/in/domenico-natal ain=it	e-a9b99812/?
		Observation						

New	STANDARD	Standa Numb		Mapping	[	Terminology	Technical Committee 533 AI
	The data presented have a value for research	n and not <u>a legal value</u>					Hosting and developing
		Terms		Variant	Complementary	Al Act	
ID <b>3</b>	5259 - 2	<sup>21</sup> Compliance		complete		Article 017	3
Specification		1 Accessibility		access		Article 017, Article 005	3
opeemeater	Data quality measures	22 Data holder		identifiability		Article 017	3
Relationship with	Article 017, Article 005 (Accessibility); Article 015 (Accuracy);	25 Consistency				Article 010	3
Ai Act	Article 015, Article 010, Article 017 (Bias detection and correction); Article 017 (Compliance); Article 017 (Data holder); Article 017 (Identified); Mith Article 010 (Compliance); Article 015	11 Balance					3
	Article 017 (Identifiability); Article 010 (Consistency); Article 015 (Data quality reporting); Article 015, Article 010 (Origin of data); Article 010 (Overlit version); Article 012 (Origin of data);	20 Completeness					3
	Article 010 (Quality criteria); Article 012 (Traceability); Article 010 (Training, validation, testing datasets)	63 Resilience regarding	errors, faults,	dataset			3
Link	https://www.iso.org/standard/81860.html	13 Bias detection and c	orrection	dataset		Article 015, Article 010, A	article 017 <sup>3</sup>
	https://www.iso.org/standard/81860.html	<sup>26</sup> Credibility			complementary		3
Scope	This document specifies a data quality model, data	75 Understandability			complementary		3
	quality measures and guidance on reporting data quality in the context of analytics and machine	27 Currentness			complementary		3
	learning (ML).	76 Validation			complementary		3
	This document is applicable to all types of organizations who want to achieve their data	<sup>39</sup> Efficiency			complementary		3
	quality objectives.	57 Quality criteria			complementary	Article 010	3
		74 Training, validation,	testing datasets		complementary	Article 010	3
		56 Precision			complementary		3
		60 Relevance			complementary		3
			asurement methodologies		complementary complementary		3
		-, ,	e access, to avoid misuse		complementary		3
		b) Documentation of th			complementary		<b>•</b>
		Name and Domenico Natale Surname	Affiliation and UNI CT 533 (me Qualification UNI CT 504 (pre	mber) sident)	Linkedin https://www.linke other originalSubdome	din.com/in/domenico-natal₁ in=it	e-a9b99812/?
		Terms		Variant	Complementary	Al Act	
ID <b>16</b>	5259 - 3	168 Data quality plan					16
Specification	Data quality management requirements and	165 Data quality manage	ement				16
Relationship	guidelines	<ul><li><sup>169</sup> Data quality culture</li><li><sup>170</sup> Management</li></ul>					16
with Ai Act	Article 017, Article 009, Article 012, Article 006, Article 007 (Risk management)	172 Audit and assessme	nt				16
		171 Data quality manage					16
		173 Horizontal aspects					16
		101 Risk management				Article 017, Article 009, A	Article 012, Article 006, <sup>16</sup>
Link	https://www.iso.org/standard/81092.html	174 Data format				Article 007	16
Scope		<sup>175</sup> Managing of data qu	ality dependencies				16
20000	This document specifies requirements and provides guidance for establishing, implementing,	176 Management system					16
	maintaining and continually improving the quality of data used in the areas of analytics and machine learning. This document does not define a detailed process,						
	methods or metrics. Rather it defines the requirements and guidance for a quality						
	management process along with a reference process and methods that can be tailored to meet	-					
	the requirements in this document.						
	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.						<b>▼</b>
		OPTIONAL INFORMATION					
		Name and Surname	Affiliation and UNI CT 533 (me Qualification UNI CT 504 (pre	ember) esident)	Linkedin https://www.linke	din.com/in/domenico-natal	e-a9b99812/?
		Observations					

New	STANDARD		Stand Num		Mapping	]	Terminology	Technical Committee 533 AI
	The data presented have a value for researd	ch and no	t a legal value.					Hosting and developing
		Terr	ns		Variant	Complementary	Al Act	~
ID 17	5259 - 4		sourcing					17
Specification	Data quality process framework	178 Clo	ud service					17
		179 Seg	mentation					17
Relationship with Ai Act	Article 017 (Data life cycle)	<sup>180</sup> Dat	a quality proces	s principles				17
Ai Act	t i	30 Dat	a life cycle				Article 017	17
		181 Dat	a quality proces	s validation				17
		182 Dat	a requirements					17
			a labelling					17
LINK	https://www.iso.org/obp/ui/en/#iso:std:iso- iec:5259:-4:ed-1:v1:en	184 Dat	a quality assess	sment				17
Scope	This document establishes general common	185 Dat	a decommisioni	ig				17
	organizational approaches, regardless of the type,							
	size or nature of the applying organization, to ensure data quality for training and evaluation in							
	analytics and machine learning (ML). It includes							
	guidance on the data quality process for:							
	— supervised ML with regard to the labelling of data used for training ML systems, including							
	common organizational approaches for training							
	data labelling;							
	<ul> <li>unsupervised ML;</li> <li>semi-supervised ML;</li> </ul>							
	- reinforcement learning;							
	- analytics. This document is applicable to training and							
	evaluation data that come from different sources,							<b></b>
	including data acquisition and data composition,	OPTIONAL	INFORMATION					
	data preparation, data labelling, evaluation and data use. This document does not define specific	Name and Surname	Domenico Natale	Affiliation and UNI CT 53 Qualification UNI CT 50	3 (member) 4 (president)	Linkedin https://www.link	edin.com/in/domenico-nat	tale-a9b99812/?
	services, platforms or tools.	Observation			(president)			
		Ten	ns		Variant	Complementary	Al Act	
ID 18	5259 - 5	<sup>166</sup> Dat	a governance			,		18
Specification		111 Gov	/ernance				Article 010	18
pecification	Data quality governance framework	146 Gov	vernance of info	rmation security				18
Relationship with	Article 010 (Governance)	186 Dat	a quality risk ma	anagement				18
Ai Act	t l	187 Res	ponsability of g	overning body				18
		188 Est	ablish enabling e	environment for data				18
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	í —						
Scone	iec:5259:-5:dis:ed-1:v1:en							
эсоре	This document provides a data quality governance framework for analytics and machine learning (ML)							
	to enable governing bodies of organizations to							
	direct and oversee the implementation and							
	operation of data quality measures, management, and related processes with adequate controls							
	throughout the data life cycle (DLC) model							
	according to ISO/IEC 5259-1. This document can be applied to any analytics and ML. This							
	document does not define specific management							
	requirements or process requirements according							
	to ISO/IEC 5259-3 and ISO/IEC 5259-4 respectively.							
		OPTION	INFORMATION					<b> ↓</b>
			Domenico Natale	Affiliation and UNI CT 533	3 (member)	Linkedin https://www.link	edin.com/in/domenico-nat	tale-a9b99812/?
				Affiliation and UNI CT 53 Qualification UNI CT 50	1 (president)	other originalSubdom	ain=it	
		Observation	s					

STANDARD		Stand Num		Mapping		Terminology	Technical Committee	
The data presented have a value for researd	ch an	d not a legal value.					aiopen Hosting develo	and
		Terms		Variant	Complementary	Al Act	~	
5338 -		Knowledge acquisi	tion					20
Al System life cycle process		-				Article 015, Article 017,	Article 009	20
	122							20
Article 003, Article 004, Article 006, Article 007 (Al systems);	4	AI systems				Article 003, Article 004,	Article 006, Article 007	20
	190	Human resource m	anagement process					20
	191	Quality manageme	nt process					20
	192	Knowledge manage	ement process					20
	49	Lifecycle				Article 015, Article 017,	Article 009	20
	193	Maintenance proce	SS					20
	ו 🗖							
associated concepts for describing the life cycle of								
15288 and ISO/IEC/IEEE 12207 with modifications								
This document provides processes that support								
the definition, control, management, execution and								
an organization or a project when developing or								
ISO/IEC/IEEE 12207 and the system life cycle								-
			Affiliation and UNIL OT 500	(	Linter die lettere (Generalie)			
	Sur	name	Qualification UNI CT 504	(president)	other originalSubdom	ain=it	ale-a9099812/?	
	Obser	vations						
5469 -	214	Terms Safety		Variant	Complementary		Article 006, Article 007	31
TD Eventional additional All systems	242	Risk factors						31
	244	Explainability						31
Article 001, Article 073, Article 006, Article 007 (Safety)	243	Transparency						31
https://www.iso.org/obp/ui/en/#iso:std:iso-iec:								
https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:5469:ed-1:v1:en								
tr:5469:ed-1:v1:en								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to:								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of AI inside a safety related function to realize the functionality;								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment;								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety								
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety		ONAL INFORMATION	Affiliation and		Linkedin			
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety	Nam	ONAL INFORMATION e and name	Affiliation and Qualification		Linkedin other			
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety related functions.	Nam Sur	e and	Affiliation and Qualification		Linkedin other			
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety related functions.	Nam Sur	e and name	Atfiliation and Qualification		Linkedin other			
tr:5469:ed-1:v1:en This document describes the properties, related risk factors, available methods and processes relating to: — use of Al inside a safety related function to realize the functionality; — use of non-Al safety related functions to ensure safety for an Al controlled equipment; — use of Al systems to design and develop safety related functions.	Nam Sur	e and name	Affiliation and Qualification		Linkedin other			
	Al System life cycle process Article 003, Article 004, Article 009 ( <i>Lifecycle</i> ) Article 015, Article 017, Article 009 ( <i>Lifecycle</i> ) https://www.iso.org/obp/ui/en/#iso:std:iso- iec:5338:ed-1:v1:en This document defines a set of processes and associated concepts for describing the life cycle of Al 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 Al-specific processes from ISO/IEC 22989 and ISO/IEC 23053. This document provides processes that support the definition, control, management, execution and improvement of the Al 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. <b>5469</b>	Al System life cycle process Article 003, Article 004, Article 006, Article 007 (Al systems): Article 015, Article 017, Article 009 (Lifecycle) 190 191 192 193 193 193 193 193 193 193 193	Al System life cycle process Article 003, Article 004, Article 006, Article 007 (Al systems); Article 015, Article 017, Article 009 (Lifecycle)   4 Al systems  190 Human resource m  191 Quality manageme  192 Knowledge manage  4 Lifecycle  193 Maintenance proce  194 Lifecycle  195 Mowledge manage  195 Knowledge manage  195 Knowledge manage  196 Lifecycle  197 Nowledge manage  198 Lifecycle  199 Human resource m  191 Quality manageme  192 Knowledge manage  192 Knowledge manage  194 Lifecycle  193 Maintenance proce  193 Maintenance proce  194 Lifecycle  195 Mowledge manage  195 Knowledge manage  195 Knowledge manage  195 Knowledge manage  196 Lifecycle  193 Maintenance proce  195 Mowledge manage  196 Lifecycle  197 Mowledge manage  198 Lifecycle  198 Maintenance proce  199 Lifecycle  199 Muman resource m  191 Quality manageme  192 Knowledge manage  190 Lifecycle  193 Maintenance proce  194 Lifecycle  195 Maintenance proce  195 Mowledge manage  195 McUnEC 22083 and ISO/IEC/IEEE  1528 and ISO/IEC/IEEE 12207 with modificational  195 McL/IEE 1207 and the system life cycle  195 processes in ISO/IEC/IEEE 15288 can be used to  196 muman and additional software or a traditional  197 McL INFORMATION  Name and  198 Domenico Natale  198 Maintenance  198 Maintenance  199 Muman resource  199 Muman resource  199 Muman resource  199 Muman resource  190 M	Al System life cycle process Article 003, Article 004, Article 007 (Al systems); Article 015, Article 016, Article 007 (Al systems); Article 016, Article 016, Article 007 (Al systems); Article 016, Article 016, Artic	41 System life cycle process         Article 003, Article 007, Article 007 (Al systems);         Article 013, Article 009, (Lifeocie)         122 System         4 Al systems         130 Human resource management process         131 Quality management process         132 Knowledge management process         133 Maintenance process         134 Lifecycle         135 Article 017, Article 009 (Lifecycle)         136 Article 017, Article 009 (Lifecycle)         137 Maintenance process         138 Maintenance process         139 Maintenance process         130 Maintenance process         131 Maintenance process         132 Knowledge management process         133 Maintenance process         134 Maintenance process         135 Mocument provides processes from ISO/IEC/IEEE 12207 with modificational system, the software life cycle processes in ISO/IEC/IEEE 12207 and the system iffe cycle processes in ISO/IEC/IEEE 12207 and the system iffe cycle processes in ISO/IEC/IEEE 12207 and the system iffe cycle processe in ISO/IEC/IEEE 12207 and the system iffe cycle processe in ISO/IEC/IEEE 12207 and the system iffe cycle processe in ISO/IEC/IEEE 1	Al System life cycle process Article 803, Article 804, Article 807 (Al systems): Article 803, Article 804, Article 807 (Al systems): Article 803, Article 804, Article 807 (Al systems): Article 803, Article 804, Article 807 (Al systems): 199 Human resource management process 199 Audily management process 190 Audily	Al System life cycle process Article 007, Ar	Al System II be cycle process Ander 691, Ander 692, Ander 697, And

New	STANDARD		andard Al Act	Mapping		Terminology	Technical Committee 533 AI
	The data presented have a value for researc	ch and not a legal valu	Je.				Hosting and developing
		Terms		Variant	Complementary	Al Act	~
ID <b>43</b>	6254 -	<sup>244</sup> Explainability					43
Specification	Objective and approaches for explainability and	<sup>276</sup> Interpretability					43
	interpretability of ML models and AI systems	113 Stakeholder					43
Relationship with Ai Act	Article 003, Article 004, Article 006, Article 007 (Al systems)	4 AI systems				Article 003, Article 004, Artic	Article 006, Article 007
AIAO							
Link	https://www.iso.org/standard/82148.html						
Ссорс	CD This document describes approaches and methods that can be used to achieve explainability						
	objectives of stakeholders with regards to ML						
	models and AI systems' behaviours, outputs, and results.						
							-
		Name and Surname	Affiliation and Qualification		Linkedin other		
		Observations					
		Terms		Variant	Complementary		
ID <b>39</b>	8000 - 1	<sup>116</sup> Data quality				Article 010	39
Specification	Overviw	165 Data quality mar	nagement				39
Relationshin		174 Data format					39
Relationship with Ai Act	Article 010 (Data quality)	<ul> <li><sup>166</sup> Data governance</li> <li><sup>235</sup> Processes</li> </ul>	6				39
		<sup>261</sup> Master data					39
		<sup>113</sup> Stakeholder					39
		262 Industrial data					39
Link	https://www.iso.org/obp/ui/en/#iso:std:iso:8000:	79 Organization					39
Scope	-1:ed-1:v1:en This document provides an overview of the ISO						
	8000 series						
							<b></b>
		OPTIONAL INFORMATIC	Affiliation and		Linkedin		
		Name and Surname	Qualification		other		
		Observations					

New	STANDARD		Stand		Mapping		Terminology	Technical Committee 533 Al
			Numl	per				•
	The data presented have a value for researc	h and not Term			Variant			Hosting and developing
·5 11	8183 -			secured, protected,	Variant	Complementary	Al Act	11
<i>ID</i> <b>11</b>		93 Prep	paration					11
Specification	Data life cycle	<sup>30</sup> Data	a life cycle				Article 017	11
Relationship with	Article 017 (Data life cycle); Article 010 (Governance)	94 Dec	ommissioning					11
Ai Act		<sup>88</sup> Sup	port					11
			ness requireme					11
			fication and vali	dation				11
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	111 Gov	ernance				Article 010	"
	iec:8183:ed-1:v1:en							
Scope	This document defines the stages and identifies associated actions for data processing throughout							
	the artificial intelligence (AI) system life cycle,							
	including acquisition, creation, development, deployment, maintenance and decommissioning.							
	This document does not define specific services, platforms or tools. This document is applicable to							
	all organizations, regardless of type, size or							
	nature, that use data in the development and use of AI systems.							
								<b>•</b>
			INFORMATION	Affiliation and UNI CT 522	(member)	Linkodin https://www.link	din com/in/domonico no	
		Surname		Affiliation and UNI CT 533 Qualification UNI CT 504	(member) (president)	Linkedin https://www.linke other originalSubdom	ain=it	laie-asbss812/?
		Observations	3					
		Term			Variant			
ID <b>44</b>	8200 -		trollability		Variant	Complementary	Al Act	44
		277 Onto	ology					44
Specification	Controllability of automated AI systems	266 Auto	onomy				Article 007	44
Relationship with	Article 007 (Autonomy )	278 Con	troller					44
Ai Act			trollability					44
		275 Fun	ctional safety					44
Link	https://www.iso.org/standard/83012.html							
Ссорс	TS This document specifies a basic framework with principles, characteristics and approaches for							
	the realization and enhancement for automated artificial intelligence (AI) systems' controllability.							
	The following areas are covered:							
	<ul> <li>state observability and state transition;</li> <li>control transfer process and cost;</li> </ul>							
	<ul> <li>reaction to uncertainty during control transfer;</li> <li>verification and validation approaches.</li> </ul>							
								▼
		Name and	INFORMATION	Affiliation and		Linkedin		
		Surname Observations		Qualification		other		
		observations						

New	STANDARD		Standard AI Act	Mapping		Terminology	Technical Committee 533 Al
	<b>T</b> he data and the second states and		Number				Hosting and developing
	The data presented have a value for research	h and not a lega Terms	al value.	Variant	Complementary	Al Act	Continue developing
ID <b>35</b>	12182 -	252 Categoriza	tion	Classification	Complementary		35
		122 System					35
Specification	Framework for categorization of IT systems and software, and guide for applying it	254 Software					35
Relationship with	Article 006 (Service)	255 Service				Article 006	35
Ai Act		113 Stakeholde	ər				35
		257 IT system					35
		<sup>118</sup> Quality-in-	use				35
Link							
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:12182:ed-2:v1:en						
	This TR specifies the manner in which categorizations of IT systems and software are organized and expressed						
							▼
		OPTIONAL INFOR Name and Trenta	Affiliation and CT 504		Linkedin		
		Surname	Qualification		other		
	L. L	Observations					
		Terms		Variant	Complementary	ALAct	
ID <b>30</b>	14971 -		gement process		complementary	707101	30
		170 Manageme	ent				30
Specification	Application of risk management to medical devices	<sup>156</sup> Risk analy	sis				30
Relationship with	Article 009 (Residual risk); Article 009 (Risk evaluation); Article 001, Article 073, Article 006, Article 007 (Safety); Article 005 (Market for medical confecturescene)	<sup>158</sup> Risk evalu	ation			Article 009	30
Ai Act	(Market for medical or safety reasons)	238 Risk estim					30
		154 Residual ri				Article 009	30
			medical or safety reasons			Article 005	30
Link	https://www.iso.org/obp/ui/en/#iso:std:iso:14971:	214 Safety				Article 001, Article 073,	
	ed-3:v1:en	240 Safety con	nponents of devices				30
Scope	This document specifies terminology, principles and a process for risk management of medical						
	devices, including software as a medical device						
	and in vitro diagnostic medical devices. The process described in this document intends to						
	assist manufacturers of medical devices to identify						
	the hazards associated with the medical device, to estimate and evaluate the associated risks, to						
	control these risks, and to monitor the						
	effectiveness of the controls. 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.	OPTIONAL INFOR	MATION				•
	The process described in this document can also be applied to products that are not necessarily	Name and	Affiliation and Qualification		Linkedin other		
	medical devices in some jurisdictions and can also	Surname Observations	Guamodion		Uller		
	be used by others involved in the medical device life cycle.						

New	STANDARD	Stand		Mapping	[	Terminology	Technical Committee 533 Al
	The data presented have a value for researc	ch and not a legal value.					Hosting and developing
Relationship with Ai Act Link Scope	Verification and validation Analysis of AI systems Article 003, Article 004, Article 006, Article 007 (AI systems): Article 015, Article 017, Article 009 (Lifecycle) https://www.iso.org/standard/85072.html AWI TS This document describes approaches and provides guidance on processes for the verification and validation analysis of AI systems (comprising AI system components and the interaction of non-AI components with the AI system components) including formal methods, simulation and evaluation. This document is	Terms          110       Verification and vali         235       Processes         4       Al systems         282       Formal method         90       Evaluation         49       Lifecycle	dation	Variant	Complementary	Al Act Article 003, Article 004, / Article 015, Article 017, /	48 48 48 48 48 48 48
	applicable for AI systems verification and validation in the context of the AI system life cycle stages described in ISO/IEC 22989.	OPTIONAL INFORMATION Name and Surname Observations Terms 194 Artificial intelligence	Affiliation and Qualification	Variant	Linkedin other Complementary	Al Act Article 003, Article 001	
	Artificial intelligence concepts and terminology	64 Terms related to Al					26
Relationship	Article 015 (Data quality reporting); Article 003, Article 001 (Artificial intelligence); Article 015 (Cybersecurity); Article 004 (Knowledge)	<ul> <li>206 Terms related to co</li> <li>201 Terms related to da</li> <li>202 Terms related to ma</li> <li>205 Terms related to ma</li> <li>203 Terms related to na</li> <li>203 Terms related to na</li> </ul>	ta achnine learning tural language processi ural networks	ng			28 28 28 28 28 28 28 29 29
Scope	https://www.iso.org/obp/ui/en/#iso:std:iso- iec:22989:ed-1:v1:en This document establishes terminology for AI and describes concepts in the field of AI. This document can be used in the development of other standards and in support of communications	28     Data quality reporting       215     Cybersecurity       231     Knowledge       76     Validation				Article 015 Article 015 Article 004	26 26 28 29 29
	oner standards and in support or 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).	OPTIONAL INFORMATION Name and Domenico Natale Surname Observations	Affiliation and UNI CT 533 Qualification UNI CT 504	(member) (president)	Linkedin https://www.link other originalSubdoma	edin.com/in/domenico-natal	a9b99812/?

New	STANDARD		Stand Numb		Mapping	] [	Terminology	Technical Committee 533 Al
	The data presented have a value for researc		ot a legal value.					Hosting and developing
			rms		Variant	Complementary		
ID <b>24</b>	23894 -	<sup>101</sup> Ri	sk management				Article 017, Article 009, Article 007	
Specification	Cuidenes en riek management	86 Le	adership				Article 017	24
opeemeaton	Guidance on risk management	34 De	esign				Article 010, Article 017	24
Relationship	Article 010, Article 017 (Design); Article 017 (Leadership);	90 EV	aluation					24
with Ai Act	Article 010, Article 017 (Design); Article 017 (Leadership); Article 017, Article 009, Article 012, Article 006, Article 007 (Risk management); Article 006 (Products)	91 In	provement					24
			sk treatment					24
			onitoring					24
								24
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-		ocesses					24
	iec:23894:ed-1:v1:en	236 Pi	oducts				Article 006	24
Scope	This document provides guidance on how							
	organizations that develop, produce, deploy or use							
	products, systems and services that utilize artificial intelligence (AI) can manage risk specifically							
	related to AI. The guidance also aims to assist							
	organizations to integrate risk management into							
	their Al-related activities and functions. It							
	moreover describes processes for the effective implementation and integration of AI risk							
	management.							
	The application of this guidance can be							
	customized to any organization and its context.							
								▼
		Name an	L INFORMATION	Affiliation and UNI CT 533	(member)	Linkedin https://www.linke	din com/in/domenico-nata	ale-20h99812/2
		Surnam		Qualification UNI CT 504	(president)	other originalSubdoma	ain=it	ie-a3033012/ !
		Observatio	ns					
		_						
			rms		Variant	Complementary	Al Act	13
ID <b>13</b>	24027 -		nctional correctne					13
Specification	Bias in AI systems and AI aided decision making			e data sets may be me	tat			
		14 Bi						13
Relationship with	Article 010, Article 017 (Design); Article 015, Article 017,	106 Da	ata bias					13
Ai Act	Article 009 (Lifecycle)	34 De	esign				Article 010, Article 017	13
		49 Li	ecycle				Article 015, Article 017,	Article 009
		107 Sc	oftware testing					13
		108 Sc	cial responsibility	,				13
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-iec:							
	tr:24027:ed-1:v1:en							
Scope								
	systems, especially with regards to AI-aided decision-making. Measurement techniques and							
	methods for assessing bias are described, with the							
	aim to address and treat bias-related							
	vulnerabilities. All AI system lifecycle phases are in scope, including but not limited to data collection,							
	training, continual learning, design, testing,							
	evaluation and use.							
								•
		OPTION	L INFORMATION					I`
				Affiliation and UNI CT 533 Qualification UNI CT 504	(member)	Linkedin https://www.linke	din.com/in/domenico-nata	ale-a9b99812/?
				Qualification UNI CT 504	(president)	other originalSubdoma	iin=it	
		Observatio	ins					

	STANDARD		Stanc Num		Mapping		Terminology	Technical Committee	
								aiopen Hosting develo	g and
	The data presented have a value for resea	rch and not a Terms	legal value.		Variant	Complementary	v ALAct		F9
42	24028 -	4 AI syst	tems			,	Article 003, Article 004,	Article 006, Article 007	42
ication		135 Trustw	orthiness						42
		265 Algorit	hm						42
onship with	Article 003, Article 004, Article 006, Article 007 (Al systems); Article 010 (Consistency); Article 015 (Security); Article 003, Article 010 (Addiside intelligence); Addish 020 (Addish); Article 003,	266 Autono					Article 007		42
Ai Act	Article 010 (Artificia intelligence); Article 060 (Testing); Article 001, Article 073, Article 006, Article 007 (Safety); Article 004	25 Consis	stency				Article 010		42
	(Training); Article 007 (Autonomy ); Article 060 (Personal data)	<sup>260</sup> Data							42
		<sup>39</sup> Efficier							42
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	267 Humar							42
	iec:38507:ed-1:v1:en								42
Scope	This document surveys topics related to	269 Machir	-						42
	trustworthiness in AI systems	270 Neural 271 Persor							42
		271 Person 274 Robot					Article 060		42
		119 Risk							42
		214 Safety					Article 001, Article 073,	Article 006 Article 007	42
		66 Securi					Article 015	Andre 600, Andre 607	42
		113 Stakeh							42
		233 Trainir					Article 004		42
		76 Validat	-						42
			al intelligence	9			Article 003, Article 001		42
			-						<b>•</b>
		Name and na		Affiliation and CT 533		Linkedin			
		Surname Observations		Qualification		other			
		Terms			Variant	Complementary			<u> </u>
21	24029 - 1	<sup>194</sup> Artificia	al intelligence		Variant	Complementary	Al Act     Article 003, Article 001		21
21 ification	Assessment of the robustness of neural networks -	<sup>194</sup> Artificia <sup>195</sup> Artificia	al neural netv		Variant	Complementary	Article 003, Article 001		21
fication tionship	Assessment of the robustness of neural networks - Part 1 Overview	<sup>194</sup> Artificia <sup>195</sup> Artificia <sup>196</sup> Testing	al neural netv g		Variant	Complementary	Article 003, Article 001 Article 060		-
fication	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness): Article 010 (Training, validation, testing datasch): Article 003, Article 001 (Artificial intelligence):	194 Artificia 195 Artificia 196 Testing 18 Robus	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21
fication tionship with	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness); Article 010 (Training, validation,	194 Artificia 195 Artificia 196 Testing 18 Robus	al neural netv g teness		Variant	Complementary	Article 003, Article 001 Article 060		21 21 21
fication tionship with	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robusteness): Article 010 (Training, validation, testing datasch): Article 003, Article 001 (Artificial intelligence):	194 Artificia 195 Artificia 196 Testing 18 Robus	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship 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): Article 060 (Testing)	194 Artificia 195 Artificia 196 Testing 18 Robus	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec:	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
ification tionship 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): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
ication ionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
lication ionship 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): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso.std:iso-iec: tr:24029:-1:ed-1:v1:en	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
lication ionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
lication ionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
ication ionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici 195 Artifici 196 Testin 18 Robus 74 Trainir	al neural netv g teness	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici. 195 Artifici. 196 Testinu 18 Robus 74 Trainir 	al neural netw g teness ng, validation,	vork , testing datasets	Variant		Article 003, Article 001 Article 060 Article 015		21 21 21 21
ification tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici. 195 Artifici. 196 Testin 18 Robus 74 Trainir	al neural netw g teness ng, validation,	vork	Variant	Complementary	Article 003, Article 001 Article 060 Article 015		21 21 21 21
fication tionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici. 195 Artifici. 196 Testin; 186 Robus 74 Trainir 	al neural netw g teness ng, validation,	vork testing datasets	Variant	Linkedin	Article 003, Article 001 Article 060 Article 015		21 21 21 21
ication ionship with Ai Act	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici. 195 Artifici. 196 Testin; 18 Robus 74 Trainir 	al neural netw g teness ng, validation,	vork testing datasets	Variant	Linkedin	Article 003, Article 001 Article 060 Article 015		21 21 21 21
cation onship with Ai Act Link	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici. 195 Artifici. 196 Testin; 18 Robus 74 Trainir 	al neural netw g teness ng, validation,	vork testing datasets	Variant	Linkedin	Article 003, Article 001 Article 060 Article 015		21 21 21 21
cation onship with Ai Act Link	Assessment of the robustness of neural networks - Part 1 Overview Article 015 (Robustness): Article 010 (Training, validation, testing datasets): Article 003, Article 001 (Artificial intelligence): Article 060 (Testing) https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24029:-1:ed-1:v1:en This document TR provides background about existing methods to assess the robustness of	194 Artifici. 195 Artifici. 196 Testin; 18 Robus 74 Trainir 	al neural netw g teness ng, validation,	vork testing datasets	Variant	Linkedin	Article 003, Article 001 Article 060 Article 015		21 21 21 21

New	STANDARD		Stand Numi		Mapping		Terminology	Technical Committee 53	3 AI	
	The data presented have a value for resear	rch a	nd not a legal value.					Hosting and developing	t	
			Terms		Variant	Complementa	ry Al Act			
ID <b>22</b>	24029 - 2		<ul> <li><sup>97</sup> Domain</li> <li><sup>98</sup> Bounded domain</li> </ul>					22	-	
Specification	Assessment of the robustness of neural networks -		<sup>99</sup> Architecture					22	_	
Relationship with	Part 2 Methodology for the use of formal methods Article 015 (Robusteness)		<sup>00</sup> Time series					22		
Ai Act			8 Robusteness				Article 015	22	-	
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-									
	iec:24029:-2:ed-1:v1:en									
Scope	This document provides methodology for the use of formal methods to assess robustness properties									
	of neural networks. The document focuses on how									
	to select, apply and manage formal methods to prove robustness properties.									
	prove robustness properties.									
									-	
									<b>-</b>	
		OP	TIONAL INFORMATION							
			me and urname	Affiliation and Qualification		Linkedin other				
		Obs	ervations							
		_	Terms		Variant	Complementa	ry Al Act			
ID <b>23</b>	24029 - 3								_ <b>^</b>	
Specification	AWI Assessment of the robustness of neural	ר ר							_	
Relationship	networks - Part 3 Methodology for the use of formal	┥┝							-	
with Ai Act										
									-	
		╶┤┝								
Link	https://www.iso.org/standard/86901.html									
Scope	This document AWI provides methodology for the	ר								
	use of statistical methods to assess robustness properties of neural networks. The document									
	focuses on how to select, apply and manage									
	statistical methods to assess robustness properties.									
	AWI is not fully considered									
	Avvi is not fully considered									
									-	
									-Ļļ	
			TIONAL INFORMATION						<b>_</b>	
		Na	me and	Affiliation and Qualification		Linkedin other				
			urname ervations	Quanication		outer			-	
		200								
	L									

Number         The data presented have a value for research and not a legal value.         ID       36       24030       -       Frins       Variant       Complementary AI Act         Specification       Use cases       Article 003, Article 007, Article 003, Article 004, Article 003, Article 007, Article 003, Article 004, Article 003, Article 004, Article 003, Article 004, Article 003, Article 007, Article 003, Article 003, Article 004, Article 003, Article 004, Article 003, Article 004, Article 0	Cle 001  Cle 004, Article 006, Article 007  Cle 004
ID       36       24030       -       Terms       Variant       Complementary AI Act         Specification       Use cases       Article 003       Article 003, Article 004, Article 007, (Al systems);       Article 003, Article 004, Article 007, (Use-cases)       Link       https://www.iso.org/obp/ui/en/#iso.std:iso-iec:         Link       https://www.iso.org/obp/ui/en/#iso.std:iso-iec:       Image: Case of Al applications in a mage: Case of Al applications in a m	36 ▲ cle 001 38
D 36       24030       -       Big Article 003       Article 003, Article 004, Article 003, Article 003, Article 003, Article 003, Article 003, Article 003, Article 004, Article 003, Article 004, Article 003, Article 004, Article 003, Article 004, Ar	cle 001 36
Link       https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         Link       https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         Scope       This document TR provides a collection of representative use cases of Al applications in a	
Article 003, Article 004, Article 006, Article 007 (Al systems);         Article 003, Article 001 (Artificial intelligence); Article 007 (Use-cases)         Link         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr:24030:ed-2:v1:en         Scope         This document TR provides a collection of representative use cases of Al applications in a	
Link https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24030:ed-2:v1:en Scope This document TR provides a collection of representative use cases of Al applications in a	
Link https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:24030:ed-2:v1:en Scope This document TR provides a collection of representative use cases of Al applications in a	
tr:24030:ed-2:v1:en  Scope This document TR provides a collection of representative use cases of AI applications in a	
tr:24030:ed-2:v1:en  Scope This document TR provides a collection of representative use cases of AI applications in a	
tr:24030:ed-2:v1:en       Scope       This document TR provides a collection of representative use cases of AI applications in a	
representative use cases of AI applications in a	
OPTIONAL INFORMATION	
Name and         Affiliation and         Linkedin           Surname         Qualification         other	
Observations	
Terms     Variant     Complementary     AI Act       34     24368     -     249     Ethical concerns	34
34 24300 - 250 Societal concerns	34
Display and societal concerns         Display and societal concerns           251         Ethical framework	34
tionship with A racle 001, Article 003, Article 006, Article 007 (Safety) At Act	cle 073, Article 006, Article 007
Ai Act	
Link https://www.iso.org/standard/78507.html	
Scope TR This document provides a high-level overview of AI ethical and societal concerns.	
OPTIONAL INFORMATION	
Name and Natale     Affiliation and UNI CT 533     Linkedin       Surname     Qualification     other	
Observations	

New	STANDARD	Standard Al Act Number	Mapping	[	Terminology	Technical Committee 533 AI
	The data presented have a value for researd	ch and not a legal value.				Hosting and developing
		Terms	Variant	Complementary		
ID <b>32</b>	24970 -	<sup>245</sup> Logging 73 Traceability			Article 012 Article 012	32
Specification	Al system logging	<sup>101</sup> Risk management			Article 012 Article 017, Article 009, A	
Relationship with	Article 012 (Traceability); Article 017, Article 009, Article 012,				Article 007	,
Ai Act	Article 012 (Traceability), Article 017, Article 003, Article 012, Article 006, Article 007 (Risk management); Article 012 (Logging)					
Link	https://www.iso.org/standard/88723.html					
Ссорс	This document describes common capabilities, requirements and a supporting information model					
	for logging of events in AI systems. This document is designed to be used with a risk management					
	system.					
						<b>•</b>
		OPTIONAL INFORMATION				
		Name and Domenico Natale Affiliation and UNI Qualification		Linkedin other		
		Observations				
	05010	Terms 207 Functional suitability	Variant	Complementary	Al Act	27
ID <b>27</b>	25010 -	208 Performance efficiency				27
Specification	SQuaRE - Product quality model	98 Compatibility				27
Relationship with	Article 015 (Security); Article 001, Article 073, Article 006, Article 007 (Safety)	<sup>210</sup> Interaction capability				27
Ai Act		211 Reliability				27
		66 Security 99 Maintainability			Article 015	27
		213 Flexibility				27
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	<sup>214</sup> Safety			Article 001, Article 073, A	Article 006, Article 007
Scope	this document defines a product quality model,					
	which is applicable to ICT (information and communication technology) products and software					
	products. The product quality model is composed					
	of nine characteristics (which are further subdivided into subcharacteristics) that relate to					
	quality properties of the products. The characteristics and subcharacteristics provide a					
	reference model for the quality of the products to					
	be specified, measured and evaluated. NOTE 1 In this document, a product refers to an					
	ICT product that is part of an information system. ICT product components include subsystems,					
	software, firmware, hardware, data, communication infrastructure, and other elements					
	that are part of the ICT product.					•
	This model can be used for requirements specification and evaluation of the target products'	OPTIONAL INFORMATION Name and Domenico Natale Affiliation and UNI CT 504	(president))	Linkedin iso25000.it		
	quality throughout their lifecycle by several stakeholders, including developers, acquirers,	Surname Qualification	(president))	Linkedin iso25000.it other		
	quality assurance and control staff and	Observations				
	independent evaluators.					

New	STANDARD		Standard Number	Al Act	Mapping	[	Terminology	Technical Committee 533 Al
	The data presented have a value for researc	h and not a lega	value.					Hosting and developing
		Terms <sup>2</sup> Accuracy		V	ariant	Complementary		38
ID <b>38</b>	25012 -	2 Accuracy 20 Completene	200				Article 015	38
Specification	Data quality model	27 Currentnes						38
Relationship		21 Compliance					Article 017	38
with Ai Act	Article 017, Article 005 (Accessibility); Article 015 (Accuracy); Article 017 (Compliance); Article 010 (Consistency); Article 012 (Traceability); Article 010 (Data quality)	26 Credibility						38
	(Traceability); Article 010 (Data quality)	1 Accessibilit	/				Article 017, Article 005	38
		25 Consistenc					Article 010	38
		39 Efficiency						38
	https://www.iso.org/obp/ui/en/#iso:std:iso-	75 Understand	ability					38
	iec:25012:ed-1:v1:en This International Standard defines a general data	73 Traceability					Article 012	38
	quality model for data retained in a structured	56 Precision						38
	format within a computer system. This International Standard focuses on the quality	116 Data quality	,				Article 010	38
	of the data as part of a computer system and	<sup>163</sup> Data quality	model					38
	defines quality characteristics for target data used by humans and systems.	259 Quality cha						38
		23 Confidentia	ity					38
		141 Availability						38
		55 Portability						38
		59 Recoverabi	lity					38
								•
		OPTIONAL INFORM						
		Name and Surname	Affiliation Qualifica	tion		Linkedin other		
		Terms		V	ariant	Complementary	AI Act	
ID <b>25</b>	25019 -	<sup>100</sup> Post-marke	t				Article 017	25
Specification	Quality-in-use model	112 Monitoring						25
Relationship	-	<sup>113</sup> Stakeholde	•					25
with	Article 017, Article 005 (Accessibility): Article 017 (Compliance): Article 017 (Post-market): Article 010 (Data	90 Evaluation						25
	quality); Article 004 (Experience)	<sup>1</sup> Accessibilit	/				Article 017, Article 005	25
		<sup>116</sup> Data quality	,				Article 010	25
		115 Customer						25
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	<sup>117</sup> Information	svstem					25
	iec:25019:ed-1:v1:en This document defines a quality-in-use model	79 Organizatio						25
	composed of three characteristics (which are	118 Quality-in-u	se					25
	further subdivided into sub-characteristics) that can influence stakeholders when products or	<sup>119</sup> Risk						25
	systems are used in a specified context of use.	120 Society						25
	This model is applicable to the entire spectrum of information system and IT service system,	121 Software qu	ality					25
	including both computer systems in use and	122 System						25
	software products in use. This document provides a set of quality	123 Target entit	ý					25
	characteristics for specifying, measuring,	125 Direct user						25
	evaluating and improving quality-in-use. In this document, because context of use is	124 User						25
	specified as prerequisite of quality-in-use, context of use is necessary to be re-specified to change	126 Beneficialn						25
	prerequisite when a product or service intend to	128 Freedom fr	om risk					25
	fulfil to context of use changes.	OPTIONAL INFORM						
		Name and Domeni Surname	co Natale Affiliation Qualifica	and UNI CT 504 (preside tion	ent)	Linkedin iso25000.it other		
		Observations						

ST	ANDARD	Standa Numb		Mapping	Terminology	Technical Committee 53
The data	presented have a value for research	h and not a legal value.				appen Hosting and developing
		Terms		Variant Complemen	,	2
2502	24 -	<ol> <li>Accuracy</li> <li>Compliance</li> </ol>		complete	Article 015 Article 017	2
ation Measurem	ent of data quality	<sup>1</sup> Accessibility		access	Article 017, Article 005	2
onship Article 017 4	Article 005 (Accessibility): Article 015 (Accuracy):	<sup>50</sup> Measurement and m			Article 015	2
Ai Act Article 017 (C	Article 005 (Accessibility); Article 015 (Accuracy); Compliance); Article 010 (Consistency); Article 015 at and method); Article 010 (Quality criteria); Article	23 Confidentiality		personal data		2
012 (Traceab datasets)	ility); Article 010 (Training, validation, testing	<sup>11</sup> Balance				2
		<sup>26</sup> Credibility		complementa	ary	2
Link		25 Consistency		complementa	ary Article 010	2
	w.iso.org/obp/ui/en/#iso:std:iso- ed-1:v1:en	27 Currentness		complementa	ary	2
Scope This Intern	ational Standard defines data quality	<sup>76</sup> Validation		complementa	ary	2
	for quantitatively measuring the data erms of characteristics defined in	40 Eliminate or reduce b	biased output	complementa		2
ISO/IEC 2	5012.	57 Quality criteria		complementa		2
iec:25024:ed This Internati measures for quality in tern ISO/IEC 250 This Internati — a basic se characteristic — a basic se measures are — an explan: measures; — a guidance measures for evaluation.	ational Standard contains the following: set of data quality measures for each	<ul> <li><sup>74</sup> Training, validation, t</li> <li><sup>56</sup> Precision</li> </ul>	esting datasets	complementa		2
characteris	stic;	<ul><li><sup>56</sup> Precision</li><li><sup>60</sup> Relevance</li></ul>		complementa		2
	set of target entities to which the quality are applied during the data-life-cycle;	50 Measurement and m	ethod	complementa	Article 015	2
	anation of how to apply data quality	<sup>10</sup> Auditability				2
— a guidai	nce for organizations defining their own	<sup>142</sup> Non-repudiation				2
	for data quality requirements and	73 Traceability			Article 012	2
It includes,	as informative annexes, a synoptic	20 Completeness				2
	order (Annex D), and a table of quality					
measures entities (Ar	grouped by characteristics and target					
measures entities (Ar This Intern	grouped by characteristics and target nex E). ational Standard does not define ranges	Terms		Variant Complemen	tary Al Act	47
measures entities (Ar	grouped by characteristics and target nex E). ational Standard does not define ranges	Terms 35 Quality model 90 Evaluation		Variant Complemen	tary Al Act	47
measures entities (Ar This Intern 2505	grouped by characteristics and target nex E). ational Standard does not define ranges	<sup>35</sup> Quality model		Variant Complemen	tary Al Act	
measures entities (Ar This Intern 17 250: Cation Guidance f Onship Article 017, A	grouped by characteristics and target nex E). ational Standard does not define ranges 58 – for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007	<ul><li><sup>35</sup> Quality model</li><li><sup>90</sup> Evaluation</li></ul>	55	Variant Complemen	tary AI Act	47
measures entities (Ar This Intern 17 250: cation Guidance f	grouped by characteristics and target nex E). ational Standard does not define ranges 58 – for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007	<ul> <li><sup>35</sup> Quality model</li> <li><sup>90</sup> Evaluation</li> <li><sup>51</sup> Functional correctnee</li> </ul>	ss ty	Variant Complemen	tary AI Act	47 47 47
reasures entities (Ar This Intern Cation Guidance I Onship with Article 017, 4	grouped by characteristics and target nex E). ational Standard does not define ranges 58 – for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007	<ul> <li><sup>35</sup> Quality model</li> <li><sup>90</sup> Evaluation</li> <li><sup>51</sup> Functional correctne</li> <li><sup>78</sup> Functional adaptabilities</li> </ul>	ss ty teness	Variant Complemen	tary Al Act	47 47 47
reasures entities (Ar This Intern Cation Guidance I Onship with Article 017, 4	grouped by characteristics and target nex E). ational Standard does not define ranges 58 – for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional appropria           279         Functional completer           208         Performance efficient	ss ty teness ness	Variant Complemen	tary Al Act	47 47 47 47 47 47 47 47 47 47 47 47 47 4
measures entities (Ar This Intern 17 250: Caction Guidance 1 Guidance 1 Guidance 1 Article 017, 4 Article 017, 4 (Risk manage	grouped by characteristics and target nex E). ational Standard does not define ranges 58 – for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007 mment)	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           279         Functional completer           208         Performance efficien           97         Usability	ss ty teness ness	Variant Complemen	tary Al Act	47 47 47 47 47 47 47 47
measures entities (Ar This Intern I7 250: Guidance I Guidance I Guidance I Article 017, <i>A</i> Article 017, <i>B</i> Article 017, <i>B</i> ( <i>Risk manage</i> Link https://www. ts.25058.e	grouped by characteristics and target nex E). ational Standard does not define ranges 58 - 58 - for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007 mment) w.iso.org/obp/ui/en/#iso:std:iso-iec: d-1:v1:en	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           279         Functional completer           208         Performance efficien           97         Usability           207         Functional suitability	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Cation Guidance I Original Cation Article 017, Article 017, Article 017, Article 017, (Risk manage (Risk manage tisz25058): Scope TS This do	grouped by characteristics and target nex E). ational Standard does not define ranges 58	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           281         Functional adaptabili           282         Functional adaptabili           283         Performance efficien           97         Usability           207         Functional suitability           101         Risk management	ss ty teness ness	Variant Complemen	Article 007, Article 009, /	47 47 47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance I Guidance I Article 017, <i>A</i> with (Risk manage Link https://www. ts:25058:e evaluation	grouped by characteristics and target nex E). ational Standard does not define ranges 58 - 58 - for quality evaluation of AI systems Article 009, Article 012, Article 006, Article 007 mment) w.iso.org/obp/ui/en/#iso:std:iso-iec: d-1:v1:en	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           279         Functional appropria           208         Performance efficien           97         Usability           207         Functional suitability           101         Risk management           250         Societal concerns	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance I Guidance I Article 017, <i>A</i> with (Risk manage Link https://www. ts:25058:e evaluation	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           281         Functional adaptabili           282         Functional adaptabili           283         Performance efficien           97         Usability           207         Functional suitability           101         Risk management	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47 47 47 47 4
measures entities (Ar This Intern 17 2501 Guidance I Guidance I Article 017, <i>A</i> with (Risk manage Link https://www. ts:25058:e evaluation	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           281         Functional adaptabili           282         Functional adaptabili           283         Performance efficien           97         Usability           207         Functional suitability           101         Risk management           250         Societal concerns           131         Societal risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47 47 47 47 4
measures entities (Ar This Intern 17 2501 Guidance I Guidance I Article 017, <i>A</i> with (Risk manage Link https://www. ts:25058:e evaluation	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35     Quality model       90     Evaluation       51     Functional correctne       78     Functional adaptabili       280     Functional adaptabili       279     Functional completer       208     Performance efficien       97     Usability       207     Functional suitability       101     Risk management       250     Societal concerns       131     Societal risk       132     Health risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance I Guidance I Article 017, <i>A</i> with (Risk manage Link https://www. ts:25058:e evaluation	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35         Quality model           90         Evaluation           51         Functional correctne           78         Functional adaptabili           280         Functional adaptabili           279         Functional completer           208         Performance efficien           97         Usability           207         Functional suitability           207         Functional suitability           101         Risk management           250         Societal concerns           131         Societal risk           132         Health risk           130         Environmental risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance I Guidance I Article 017, <i>A</i> with (Risk manage Link https://www. ts:25058:e evaluation	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35     Quality model       90     Evaluation       51     Functional correctne       78     Functional adaptabili       280     Functional adaptabili       281     Functional adaptabili       282     Functional adaptabili       283     Performance efficient       294     Performance efficient       297     Functional suitability       207     Functional suitability       101     Risk management       250     Societal concerns       131     Societal risk       132     Health risk       130     Environmental risk       129     Economic risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35     Quality model       90     Evaluation       51     Functional correctne       78     Functional adaptabili       280     Functional adaptabili       281     Functional adaptabili       282     Functional adaptabili       283     Performance efficient       294     Performance efficient       297     Functional suitability       207     Functional suitability       101     Risk management       250     Societal concerns       131     Societal risk       132     Health risk       130     Environmental risk       129     Economic risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47 47 47 47 4
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35     Quality model       90     Evaluation       51     Functional correctne       78     Functional adaptabili       280     Functional adaptabili       281     Functional adaptabili       282     Functional adaptabili       283     Performance efficient       294     Performance efficient       297     Functional suitability       207     Functional suitability       101     Risk management       250     Societal concerns       131     Societal risk       132     Health risk       130     Environmental risk       129     Economic risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35     Quality model       90     Evaluation       51     Functional correctne       78     Functional adaptabili       280     Functional adaptabili       281     Functional adaptabili       282     Functional adaptabili       283     Performance efficient       294     Performance efficient       297     Functional suitability       207     Functional suitability       101     Risk management       250     Societal concerns       131     Societal risk       132     Health risk       130     Environmental risk       129     Economic risk	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35       Quality model         90       Evaluation         51       Functional correctne         78       Functional adaptabili         280       Functional adaptabili         279       Functional adaptabili         208       Performance efficien         97       Usability         207       Functional suitability         101       Risk management         250       Societal concerns         131       Societal risk         132       Health risk         133       Environmental risk         129       Economic risk         281       Satisfaction	ss ty teness cy			47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35       Quality model         90       Evaluation         51       Functional correctne         78       Functional adaptabili         280       Functional adaptabili         279       Functional adaptabili         279       Functional completei         208       Performance efficien         97       Usability         207       Functional suitability         101       Risk management         250       Societal concerns         131       Societal risk         132       Health risk         133       Environmental risk         129       Economic risk         281       Satisfaction	ss ty teness ness	Variant Complemen		47 47 47 47 47 47 47 47 47 47
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35       Quality model         90       Evaluation         51       Functional correctne         78       Functional adaptabili         280       Functional adaptabili         279       Functional adaptabili         279       Functional completer         208       Performance efficien         97       Usability         207       Functional suitability         101       Risk management         250       Societal concerns         131       Societal risk         132       Health risk         130       Environmental risk         129       Economic risk         281       Satisfaction	SS ty teness cy Cy			47 47 47 47 47 47 47 47 47 47 47 47 47 4
measures entities (Ar This Intern 17 2501 Guidance 1 Guidance 1 Article 017, <i>A</i> with (Risk manage Link https://www ts:25058:e vs:20058:e vs:20058:e vs:20058:e	grouped by characteristics and target nex E). ational Standard does not define ranges <b>58</b>	35       Quality model         90       Evaluation         51       Functional correctne         78       Functional adaptabili         280       Functional adaptabili         279       Functional adaptabili         208       Performance efficien         97       Usability         207       Functional suitability         207       Functional suitability         101       Risk management         250       Societal concerns         131       Societal risk         132       Health risk         130       Environmental risk         129       Economic risk         281       Satisfaction	SS ty teness cy Cy			47 47 47 47 47 47 47 47 47 47

	STANDARD			Stand: Numb		Mapping		Terminology	Technical Committee	
	The data presented have a value for resea	arch	and not a	a legal value.					aiopen develo	g and pping
			Terms	1		Variant	Complementary	Al Act		
<b>19</b>	25059 -		5 Anno	tation				Article 010		19
cification	Quality model for AI System		35 Quali	ty model						19
lioution	Quality model for Al System		4 Alsy	stems				Article 003, Article 004,	Article 006, Article 007	19
ationship with	Article 017, Article 005 (Accessibility); Article 017 (AI models);		<sup>3</sup> Al mo	odels				Article 017		19
Ai Act	Article 003, Article 004, Article 006, Article 007 (AI systems); Article 010 (Annotation); Article 015 (Security)		1 Acce	ssibility				Article 017, Article 005		19
			95 Conti	rollability						19
			78 Func	tional adaptabil	lity					19
				s related to Al						19
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	_	66 Secu			Cybersecurity		Article 015		19
	iec:25059:ed-1:v1:en		97 Usab	•			it.	Article 015		19
Scope	This document outlines a quality model for AI			•		Interaction capabi	ity			19
	systems and is an application-specific extension to the standards on SQuaRE. The characteristics			patibility						15
	and sub-characteristics detailed in the model		243 Trans	sparency						19
	provide consistent terminology for specifying,									
	measuring and evaluating AI system quality. The characteristics and sub-characteristics detailed in									
	the model also provide a set of quality									
	characteristics against which stated quality									
	requirements can be compared for completeness.									
										•
				NFORMATION						
		N	lame and I Surname	Domenico Natale	Affiliation and UNI CT 533 Qualification UNI CT 504	3 (member) 4 (president)	Linkedin https://www.link other originalSubdom	edin.com/in/domenico-nata ain=it	ale-a9b99812/?	
			oservations			u ,				
			Terms	,		Variant	Complementary	Al Act		
16	26514		Terms <sup>34</sup> Desig			Variant	Complementary	Al Act Article 010, Article 017		46
46	26514 -					Variant	Complementary			46
	26514 - Design and development of information for users		<sup>34</sup> Desig	gn		Variant	Complementary			-
tification	Design and development of information for users		<sup>34</sup> Desig	gn		Variant	Complementary			46
cification	Design and development of information for users		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with	Design and development of information for users		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with	Design and development of information for users		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with	Design and development of information for users		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with Ai Act	Design and development of information for users Article 010, Article 017 (Design)		<sup>34</sup> Desig	gn		Variant	Complementary			46
ationship with Ai Act	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec-		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with Ai Act Link	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design)  https://www.iso.org/obp/ui/en/#iso.std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ttionship with Ai Act Link Scope	Article 010, Article 017 (Design) Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- iece:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification tionship with Ai Act Link Scope	Article 010, Article 017 (Design) Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ttionship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design)  https://www.iso.org/obp/ui/en/#iso.std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification trionship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification trionship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design)  https://www.iso.org/obp/ui/en/#iso.std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification trionship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification trionship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,		<sup>34</sup> Desig	gn		Variant	Complementary			46
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,		<sup>34</sup> Desig	gn		Variant	Complementary			46
fication tionship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,		<sup>34</sup> Desig	gn		Variant	Complementary			
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,		34 Desig 124 User 268 Inforr	in mation		Variant	Complementary			46
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,	C	34 Desig 124 User 268 Inforr	In mation						
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,	C	34 Desig 124 User 268 Inforr	In mation	Affiliation and UNI TC 50- Qualification		Complementary			
cification lationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,	C	34 Desig 124 User 268 Inforr 268 Inforr 269 Inforr	In mation	Affiliation and UNI TC 50- Qualification		Linkedin			
lationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,	C	34 Desig 124 User 268 Inforr 268 Inforr	In mation	Affiliation and UNI TC 50- Qualification		Linkedin			
cification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,	C	34 Desig 124 User 268 Inforr 268 Inforr	In mation	Affiliation and UNI TC 50- Qualification		Linkedin			
ification ationship with Ai Act Link Scope	Design and development of information for users Article 010, Article 017 (Design) https://www.iso.org/obp/ui/en/#iso:std:iso-iec- ieee:26514:ed-1:v1:en This document covers the development process for designers and developers of information for users of software. It describes how to establish what information users need, how to determine the way in which that information should be presented, and how to prepare the information and make it available. It is not limited to the design and development stage of the life cycle, but includes information on design throughout the life cycle,	C	34 Desig 124 User 268 Inforr 268 Inforr	In mation	Affiliation and UNI TC 50- Qualification		Linkedin			

	STANDARD	Standard Number	AI Act Mapping	Terminology	Technical Committee 533 AI
	The data presented have a value for record	h and not a logal value			Hosting and developing
	The data presented have a value for researc	Tanu not a legar value. Terms	Variant	Complementary AI Act	
D 28	27000 -	137 Access control			28
		138 Attack			28
	Information security management system - Overview and vocabulary	139 Authentication			28
elationship	Article 015 (Measurement and method); Article 017, Article	140 Authenticity			28
	Article 009, Article 011 (Documented information); Article 008	10 Auditability			28
	(Compliance with the requirements); Article 009 (Measurement); Article 009 (Residual risk); Article 009 (Risk evaluation)	<sup>105</sup> Competence			28
		23 Confidentiality			28
		143 Consequence			28
	https://www.iso.org/obp/ui/en/#iso:std:iso- iec:27000:ed-5:v1:en	144 Conformity			28
	This document provides the overview of	143 Consequence			28
	information security management systems (ISMS).	145 Documented information		Article 009, Article 01	1 <sup>28</sup>
	It also provides terms and definitions commonly used in the ISMS family of standards. This	<sup>146</sup> Governance of information	security		28
	document is applicable to all types and sizes of	148 Governing body			28
	organization (e.g. commercial enterprises,	91 Improvement			28
	government agencies, not-for-profit organizations). The terms and definitions provided in this	117 Information system			28
	document	79 Organization			28
	<ul> <li>cover commonly used terms and definitions in the ISMS family of standards;</li> </ul>	150 Internal context			28
	- do not cover all terms and definitions applied	151 Level of risk			28
	within the ISMS family of standards; and — do not limit the ISMS family of standards in	152 Management system			28
	defining new terms for use.	153 Measurement		Article 009	28
					<b>▼</b>
		OPTIONAL INFORMATION Name and Affiliatio	on and	Linkedin	
		Surname Qualifi	cation	other	
10	29119 - 11	<sup>2</sup> Accuracy	Variant	Complementary AI Act Article 015	49
• <b>49</b>	23113 - 11	128 Freedom from risk			
cification	Guidelines on the testing of AI-based systems (2020)				49
		265 Algorithm			49
	Article 015 (Accuracy), Article 000 (Tesung), Article 007	<sup>265</sup> Algorithm <sup>266</sup> Autonomy		Article 007	
Ai Act				Article 007	49
Ai Act	Article 015 (Accuracy), Article 000 (Tesung), Article 007	<sup>266</sup> Autonomy		Article 007	49 49 49
Ai Act	Article 015 (Accuracy), Article 000 (Tesung), Article 007	266 Autonomy 14 Bias		Article 007	49 49 49
Ai Act	(Autonomy)	266     Autonomy       14     Bias       283     Deep learning		Article 007	49 49 49 49 49
Ai Act Link	(Autonomy)	266     Autonomy       14     Bias       283     Deep learning       244     Explainability		Article 007	49 49 49 49 49 49
Link	Alter of picturally, Alter oor (resing), Alter oor         (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr:29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction	286     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability		Article 007	49 49 49 49 49 49
Link	Altee of picturally, Altee oo (resing), Altee oor         (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr:29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction         to Al-based systems. These systems are typically	266     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability       56     Precision		Article 007	49 49 49 49 49 49 49 49 49
Link Scope	https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr:29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes	266     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability       56     Precision       274     Robot		Article 007	49 49 49 49 49 49 49 49 49 49 49
Ai Act Link Scope	Altee of picturally, Altee oo (resing), Altee oor         (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr.29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new	286     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability       56     Precision       274     Robot       284     Test data		Article 060	49 49 49 49 49 49 49 49 49 49 49
Link Scope	https://www.iso.org/obp/ui/en/#iso:std:iso-iec: tr:29119:-11:ed-1:v1:en This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and	286     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability       56     Precision       274     Robot       284     Test data       285     Metrics			49 49 49 49 49 49 49 49 49 49 49
Link Scope	Alter of picturely, Alter out (resing), Alter out (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr.2911911.ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development	266     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability       56     Precision       274     Robot       284     Test data       285     Metrics       196     Testing			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Alter of picturally, Alter out (resing), Alter out (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr:29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development This document describes testing techniques	266     Autonomy       14     Bias       283     Deep learning       244     Explainability       276     Interpretability       56     Precision       274     Robot       284     Test data       285     Metrics       196     Testing			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Alter of picturely), Alter out (resing), Alter out (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr.29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development         This document describes testing techniques (including those described in ISO/IEC/IEEE 29119 -4) applicable for Al systems in the context of the	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Alter of picturally, Alter out (resing), Alter out (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr.29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development This document describes testing techniques (including those described in ISO/IEC/IEEE 29119 4) applicable for Al systems in the context of the Al system life cycle model stages defined in	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Altee of picturally, Altee of (resing), Altee of picturally, Altee of pictural pict	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Alter of picture do       (resing), Alter do         (Autonomy)       Intervention         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:       Intervention         tr.2911911:ed-1:v1:en       Intervention         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development       This document describes testing techniques (including those described in ISO/IEC/IEEE 29119 -4) applicable for Al systems in the context of the Al system life cycle model stages defined in ISO/IEC 2289. It describes how Al and ML assessment metrics can be used in the context of those testing techniques. It also maps testing	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Alter of precently, Alter out (resulty), Alter out (Autonomy)         (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr.29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development This document describes testing techniques (including those described in ISO/IEC/IEEE 29119 -4) applicable for Al systems in the context of the Al system life cycle model stages defined in ISO/IEC 2289. It describes how Al and ML assessment metrics can be used in the context of those testing techniques. It also maps testing processes, including those described in ISO/IEC 2015 - 2019 - 201	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         274       Rxplainability         276       Precision         2774       Robot         284       Test data         285       Metrics         196       Testing         286       Assessment			49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Alter of precently, Alter out (resulty), Alter out (Autonomy)         https://www.iso.org/obp/ui/en/#iso:std:iso-iec:         tr.29119:-11:ed-1:v1:en         This document TR (2020) provides an introduction to Al-based systems. These systems are typically complex (e.g. deep neural nets), are sometimes based on big data, can be poorly specified and can be non-deterministic, which creates new challenges and opportunities for testing them.         AWI TS under development         This document describes testing techniques         (including those described in ISO/IEC/IEEE 29119         4) applicable for Al systems in the context of the Al system life cycle model stages defined in ISO/IEC 22989. It describes how Al and ML assessment metrics can be used in the context of those testing techniques. It also maps testing processes, including those described in	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing         286       Assessment		Linkedin	49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Altice of precently, Altice of presing, Altice of precently, Altice of precently, Altice of presing, Altice of Pres	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing         286       Assessment		Article 060	49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Altice of precently, Altice of presing, Altice of precently, Altice of precently, Altice of presing, Altice of Pres	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing         286       Assessment		Linkedin	49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Altice of precently, Altice of presing, Altice of precently, Altice of precently, Altice of presing, Altice of Pres	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing         286       Assessment		Linkedin	49 49 49 49 49 49 49 49 49 49 49 49 49 4
Link Scope	Altice of precently, Altice of presing, Altice of precently, Altice of precently, Altice of presing, Altice of Pres	286       Autonomy         14       Bias         283       Deep learning         244       Explainability         276       Interpretability         56       Precision         274       Robot         284       Test data         285       Metrics         196       Testing         286       Assessment		Linkedin	49 49 49 49 49 49 49 49 49 49 49 49 49 4

New	STANDARD	Star Nun	Al Act	Mapping		Terminology	UNINFO U Technical Committee 53	
	The data presented have a value for researd						Hosting and developing	d J
		Terms		Variant	Complementary	Al Act		
ID <b>37</b>	31000 -	<ul> <li><sup>79</sup> Organization</li> <li><sup>101</sup> Risk management</li> </ul>				Article 017 Article 000	37 Article 012 Article 006 <sup>37</sup>	_ <b>^</b>
Specification	Guidelines	<sup>113</sup> Stakeholder				Article 017, Article 009, Article 007	Article 012, Article 006, 37	_
Relationship	Article 017 Article 009 Article 012 Article 006 Article 007	Clarenoider						_
with Ai Act	Article 017, Article 009, Article 012, Article 006, Article 007 (Risk management)							_
								_
								-
Link								
LIIK	https://www.iso.org/obp/ui/en/#iso:std:65694:en							
Scope	ISO 31000 provides guidelines on managing risks	]						
	faced by organizations.							
								_
								_
		<u></u>						_
								-
		OPTIONAL INFORMATION						
		Name and Surname	Affiliation and Qualification		Linkedin other			
		Observations						
		Terms		Variant	Complementary	Al Act		
ID <b>29</b>	31010 -	<sup>237</sup> Risk assessment t 79 Organization	echniques				29	
Specification	Risk assessment techniques	<sup>112</sup> Monitoring					29	
Relationship	Article 015, Article 010 (Data collection processes)	<sup>29</sup> Data collection pro	Cesses			Article 015, Article 010	29	_
Relationship with Ai Act								_
								-
1 :								
	https://www.iso.org/obp/ui/en/#iso:std:iec:31010: ed-2:v1:en,fr							
Scope	Not available							
								_
								_
								-
								_
		OPTIONAL INFORMATION						
		Name and Surname	Affiliation and Qualification		Linkedin other			
		Observations			60161			
	L							

New	STANDARD		Standard Number	Al Act Ma	apping	l	Terminology	Technical Committee 533 AI
	The data presented have a value for researd	ch and not a lega						Hosting and developing
		Terms		Variar	nt	Complementary	Al Act	
ID 40	38500 -	111 Governand	e .				Article 010	40
	Governance of IT for the organization	170 Manageme	ent					40
	-							
Relationship with Ai Act	Article 010 (Governance)							
Ai Act								
Link	https://www.iso.org/search.html?	]						
	PROD_isoorg_en%5Bquery%5D=38500							
Scope	This document provides guiding principles for members of governing bodies of organizations and	]						
	those that support them on the effective, efficient							
	and acceptable use of information technology (IT) within their organizations.							
		OPTIONAL INFOR	MATION					•
		Name and Natale Surname	Affiliation Qualific	and	Linkedir othe	ר פיר		
		Observations	quanto		our			
		Terms		Variar	nt	Complementary	Al Act	
ID <b>41</b>	38507 -	111 Governand					Article 010	41
Specification	Governance implications of the use of AI by	194 Artificial int	-				Article 003, Article 001	41
Relationship	organizations	79 Organizatio						41
with	Article 010 (Governance); Article 003, Article 001 (Artificial intelligence); Article 006 (Decision-making)	<sup>256</sup> Decision-m	пакіпд				Article 006	91
	https://www.iso.org/search.html?	í						
	PROD_isoorg_en%5Bquery%5D=38507 This document provides guidance for members of	1						
	the governing body of an organization to enable							
	and govern the use of Artificial Intelligence (AI), in order to ensure its effective, efficient and							
	acceptable use within the organization.							
								•
		OPTIONAL INFOR	MATION Affiliation	and	Linkedir			
		Name and Surname	Qualifica	ation	Linkedir othe	er		
		Observations						

	STANDARD		tandard Al Act	Mapping		Terminology	UNINFO	
	The data presented have a value for researc						aiopen develo	g and oping
		Terms		Variant	Complementary	Al Act		
ID 14	42001 -	<sup>80</sup> Cleaning				Article 010, Article 017		14
Specification	Menerement system	87 Planning				Article 017		14
peomeanon	Management system	88 Support						14
Relationship with		<sup>89</sup> Operation						14
Ai Act	(Cleaning); Article 017 (Leadership); Article 017 (Planning); Article 017, Article 009, Article 012, Article 006, Article 007	90 Evaluation						14
	(Risk management)	91 Improvement						14
		92 Acquisition						14
		50 Measurement a	and method			Article 015		14
Link	https://www.iso.org/obp/ui/en/#iso:std:iso-	79 Organization						14
	iec:42001:ed-1:v1:en	0				A. 11-1- 047		14
Scope	This document specifies the requirements and	<sup>86</sup> Leadership				Article 017		
	provides guidance for establishing, implementing, maintaining and continually improving an Al	101 Risk managem	ent			Article 017, Article 009, Article 007	Article 012, Article 006,	14
	(artificial intelligence) management system within	<sup>105</sup> Competence						14
	the context of an organization.	152 Management s	ystem					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 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 Al							-
	systems.	OPTIONAL INFORMATI						
		Name and Domenico Na Surname	atale Affiliation and UNI CT 533 Qualification UNI CT 504	(member)	Linkedin https://www.linke other originalSubdoma	din.com/in/domenico-nata	ale-a9b99812/?	
		Observations		u )				
d <b>33</b>	82079 - 1	Terms 247 Documentation		Variant	Complementary	Al Act		33
				Variant	Complementary	Al Act Article 010, Article 017		33 <b>A</b> 33
ecification	IEC Part 1: principles and general requirements	247 Documentation		Variant	Complementary			
ecification elationship	IEC Part 1: principles and general requirements Article 010 Article 017 (Design): Article 011 (Technical	<ul><li>247 Documentation</li><li>34 Design</li></ul>	ality	Variant	Complementary			33
ecification elationship	IEC Part 1: principles and general requirements	<ul> <li><sup>247</sup> Documentation</li> <li><sup>34</sup> Design</li> <li><sup>248</sup> Information qua</li> </ul>	ality	Variant	Complementary			33
ecification elationship	IEC Part 1: principles and general requirements Article 010 Article 017 (Design): Article 011 (Technical	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33
ecification elationship	IEC Part 1: principles and general requirements Article 010 Article 017 (Design): Article 011 (Technical	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation)	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec-	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso:std:iec- ieee:82079:-1:ed-2:v1:en,fr	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso:std:iec- ieee:82079:-1:ed-2:v1:en,fr ISO/IEEE 82079-1 provides general principles and	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso:std:iec- ieee:82079:-1:ed-2:v1:en,fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification lationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification lationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification lationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification lationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification lationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
acification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	<ul> <li>247 Documentation</li> <li>34 Design</li> <li>248 Information qua</li> <li>247 Documentation</li> </ul>	ality	Variant	Complementary	Article 010, Article 017		
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	247       Documentation         34       Design         248       Information quality         247       Documentation         248       Technical docu         246       Technical docu	ality mentation	Variant	Complementary	Article 010, Article 017		33 33 33 33
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	247 Documentation 34 Design 248 Information qua 247 Documentation 246 Technical docu 	ality mentation	Variant		Article 010, Article 017		
Decification Relationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and formulation of all type of instruction for use that	247       Documentation         34       Design         248       Information quality         247       Documentation         248       Technical docu         246       Technical docu	ality mentation	Variant	Complementary	Article 010, Article 017		
Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and mornulation of all type of instruction for use that will be necessary or heplful for users of products	247 Documentation 34 Design 248 Information qua 247 Documentation 246 Technical docu 	ality mentation	Variant	Linkedin	Article 010, Article 017		
Decification Relationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and mornulation of all type of instruction for use that will be necessary or heplful for users of products	247 Documentation 34 Design 248 Information qua 247 Documentation 246 Technical docu	ality mentation	Variant	Linkedin	Article 010, Article 017		
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and mornulation of all type of instruction for use that will be necessary or heplful for users of products	247 Documentation 34 Design 248 Information qua 247 Documentation 246 Technical docu	ality mentation	Variant	Linkedin	Article 010, Article 017		
ecification elationship with Ai Act Link Scope	IEC Part 1: principles and general requirements Article 010, Article 017 (Design); Article 011 (Technical documentation) https://www.iso.org/obp/ui/en/#iso.std:iec- ieee:82079:-1:ed-2:v1:en.fr ISO/IEEE 82079-1 provides general principles and detailed requirements for the design and mornulation of all type of instruction for use that will be necessary or heplful for users of products	247 Documentation 34 Design 248 Information qua 247 Documentation 246 Technical docu	ality mentation	Variant	Linkedin	Article 010, Article 017		