New	STANDARD	ļ	Standard Sort	Al Act Mapping	2	Terminology	Technical Committee 533 Al
	The data presented have a value for researd	h and not a legal					Hosting and developing
		Terms	value.	% Variant	Complementary	, Al Act	
	4213 - : 2022 ISO/IEC TS	269 Machine learn	ing	70	Complementary		45
Specification	Assessment of Machine learning classification performance	253 Classification				Article 006	45
Relationship with		286 Assessment				Article 043	45
Ai Act							
							•
		Link https://www.i	so. /#iso:std:	TS This document specifies me measuring classification perform	ethodologies for Full mance of machine	Foreword ISO (the International	Organization for
		iso-iec:ts:42		learning models, systems and		Standardization) and	IEC (the International mission) form the specialized
							standardization. National
		OPTIONAL INFORM	ATION Affiliation Qualifica	and	Linkedin		
		Surname Observations	Qualifica	tion	other		
		Terms		% Variant	Complementary	Al Act	
Encoification	4213 - 1 : ISO/IEC AWI	153 Measurement				Article 009	57
Relationship	Performance measurement for AI classification, regression, clustering and recommendation tasks	253 Classification				Article 006	57
with Ai Act	Article 009-Risk management (Measurement); Article 006- Classification (Classification)	300 Regression					57
		301 Clustering					57
							•
		Link https://www.i	S0. /80/55	t This document specifies method measuring the performance of	odologies for Full	text	
		html	100400.	classification, regression, clust recommendation tasks.		_	
		OPTIONAL INFORM		and	Linkedin		
		Observations	Affiliation Qualification	tion	other		
	l l						

New	STANDARD		Standard Sort	Al Act	Mapping		Terminology New	Technical Committee 533 Al
	The data presented have a value for researc	h and n <u>ot a lega</u>						Hosting and developing
		Terms		%	Variant	Complement	arv Al Act	
	5259 - 1 : 2024 ISO/IEC	30 Data life cycle	e	· · ·			Article 017	15
	Overview, terminology and examplse	29 Data collectio	on processes				Article 015, Article 010, Article 017	15
Relationship with Ai Act	Article 015-Accuracy, robus, Article 010-Data and data g, Article 017-Quality managem (Data collection processes);	162 Data user						15
	Article 017-Quality managem (Data life cycle); Article 010- Data and data g (Data quality); Article 009-Risk management (Measurement)	116 Data quality					Article 010	15
		163 Data quality n	model					15
		153 Measurement	ıt				Article 009	15
		164 Analitics						15
		165 Data quality n	management					15
		166 Data governa	ance					15
		167 Data provena	ance					15
								•
		Link https://www	Liso. Scor	pe/ This document pro	vides the means	for F	ull text ISO/IEC 5259-1:2024	
		org/standare html	⁻ d/81088.	understanding and documents of the			and machine learning	
				foundation for con quality for analytic			Part 1: Overview, ten Published (Edition 1,	ninology, and examples 2024)
				L				
		Surname	ico Natale Affiliatio Qualific	n and UNI CT 533 (mem cation	ber)	Linkedin https://www. other originalSubd	linkedin.com/in/domenico-nata omain=it	le-a9b99812/?
		Observations						
		_						
	5259 - 2 : 2024 ISO/IEC FDIS	21 Compliance		,-	Variant complete	Complement	ary AI Act	3
Specification	Data quality measures	1 Accessibility			access		Article 017, Article 005, Article 071	3
Relationship with	Article 017-Quality managem, Article 005-Prohibited Al P, Article 071-EU database fo (Accessibility): Article 015-	22 Data holder			identifiability		Article 017	3
Ai Act	Accuracy, robus, Article 013-Transparency an (Accuracy); Article 015-Accuracy, robus, Article 010-Data and data g, Article 017-Quality managem (Bias detection and correction);				laonanabinty			3
	Article 017-Quality managem (Compliance); Article 017- Quality managem (Data holder); Article 017-Quality	25 Consistency					Article 010	3
	managem (Identifiability); Article 010-Data and data g (Consistency); Article 015-Accuracy, robus (Data quality reporting); Article 015-Accuracy, robus, Article 010-Data and data g (Origin of data); Article 010-Data and data g (Quality	11 Balance						3
	data g (Origin of data); Article 010-Data and data g (Quality criteria); Article 012-Record keeping (Traceability); Article 010- Data and data g (Training, validation, testing datasets); Article	20 Completenes	SS					3
	074-Market surveill, Article 013-Transparency an (Validation); Article 010-Data and data g, Article 013- Transparency an (Datasets); Article 010-Data and data g,	63 Resilience re	garding errors, faults	s, inconsistency	dataset			3
	Article 017-Quality managem, Article 012-Record keeping, Article 071-EU database fo (Data)	13 Bias detection	n and correction		dataset		Article 015, Article 010, Article 017	3
		26 Credibility				complementar	у	3
		75 Understandal	bility			complementar	v	3
		27 Currentness				-		3
						complementar		
		76 Validation				complementar	y Article 074, Article 013	3
		Link https://www	Aliso. Scop	act This upcument spi			ull text ISO/IEC FDIS 5259-2	
		org/standare html	rd/81860.	quality measures a quality in the conte			Artificial intelligence - and machine learning	– Data quality for analytics
				learning (ML). This document is a	pplicable to all typ	pes of	Part 2: Data quality n Under development	neasures
		OPTIONAL INFORM		the second s			(<u></u>	
		Name and Domeni	ico Natale Affiliation Qualific	n and UNI CT 533 (mem cation	Der)	Linkedin https://www. other originalSubd	linkedin.com/in/domenico-nata omain=it	Ie-29b99812/?
		Observations						

New	STANDARD		Standard Sort	Al Act	Mapping		Termino		Fechnical Committee 533 AI	
	The data presented have a value for researc	h and not a lega					THE PROPERTY OF THE PROPERTY O		Hosting and developing	
	5259 - 3 . 2024 ISO/IEC	Terms		%	Variant	Complemen	ntary Al Act			
Specification	Data guality management requirements and	168 Data quality p							16	
Relationship	guidelines Article 017-Quality managem, Article 009-Risk management,	¹⁶⁵ Data quality r	management						16	
with Ai Act	Article 012-Record keeping, Article 006-Classification, Article 007-Amendment. to (Risk management); Article 043- Conformity asse (Management)	169 Data quality of	culture					16		
		170 Management	t				Article 043		16	
		172 Audit and ass	sessment						16	
		171 Data quality r	management lifecycle						16	
		173 Horizontal as	spects						16	
		101 Risk manage	ement				Article 017, Article 0	109, Article 012, Article 00	6, Article 007 16	
		174 Data format							16	
		175 Managing of	data quality dependen	cies					16	
		176 Management	t system integration						16	
		Link	viso Scope				Full text ISO/IEC		_	
		Link https://www org/standar html	/.iso. Abstact d/81092.	guidance for esta	becifies requirements blishing, implementi nproving the quality of	ng, maintaining	Artificial i	5259-3:2024 intelligence — E hine learning (N	Data quality for analytics	
		i i i i i i i i i i i i i i i i i i i		the areas of analy	tics and machine le	arning.		ata quality man	agement requirements	
		OPTIONAL INFORI		L						
		Name and Surname	ico Natale Affiliation a Qualificat	and UNI CT 533 (mer tion	nber)	Linkedin https://www other originalSub		omenico-natale-a	9b99812/?	
		Observations								
		Terms		%	Variant	Complemen	ntary Al Act			
Specification	5259 - 4 : 2024 ISO/IEC Data quality process framework	177 Outsourcing							17	
Relationship	Article 017-Quality managem (Data life cycle); Article 017-	178 Cloud service	e						17	
with Ai Act	Overline and a second s	179 Segmentation	n						17	
		180 Data quality p	process principles						17	
		30 Data life cycle	е				Article 017		17	
		181 Data quality p	process validation						17	
		182 Data requirer	ments						17	
		183 Data labelling	9				Article 017		17	
		184 Data quality a	assessment						17	
		185 Data decomm	nisionig						17	
		Link	Scone				Full tout		_	
		Link https://www org/obp/ui/e	v.iso. en/#iso:std: 9:-4:ed-1:v1:	organizational ap	stablishes general co proaches, regardles the applying organiza	s of the type,	Full text Foreword ISO (the	International O	rganization for	
		en	J	data quality for tra	aining and evaluation ning (ML). It includes	n in analytics	Electrote	chnical Commis	C (the International ssion) form the specialized andardization. National	
		OPTIONAL INFORI		ht. tet. Pt.		-)	1			
			ico Natale Affiliation a Qualificat	and UNI CT 533 (mer lion	nber)	Linkedin https://www other originalSub	v.linkedin.com/in/do domain=it	omenico-natale-a	9b99812/?	
		Observations								

10 10 18 10 18 10 18 10 18 10 19 10
18 18 18 18
18 18 18 18
18
18
18
•
⁵⁹
59
59
▼

New	STANDARD		Standa Son		I Act Mapping			Terminology New	Technical Committee	UNI 533 AI
	The data presented have a value for resear	ch and	not a legal value.						Hosting Hosting	and ing
			Terms		% Variant	Complem	entary AI A	nt		
	5338 - : 2023 ISO/IEC	189	Knowledge acquisition		,	Completin				20
Specification	Al System life cycle processes	49	Lifecycle				Article	015, Article 017, Article 009		20
Relationship with	Harder 000 Dennikonsta, Article 002 Ocopeta, Article 004 74	122	System							20
Ai Act	to, Article 043-Conformity asse, Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market		System							
	surveili, Article 071-EU database fo, Article 013- Transparency an, Article 016-Obligations of, Article 020- Corrective acti (Al systems): Article 015-Accuracy, robus,	4	AI systems				Article (014, Art	003, Article 002, Article 004, Artic icle 072, Article 074, Article 071,	le 006, Article 007, Article 043, Article Article 013, Article 016, Article 020	20
	Article 017-Quality managem, Article 009-Risk management (Lifecycle)	190	Human resource manag	ement proce	SS					20
		191	Quality management pro	cess						20
		192	Knowledge managemen	t process						20
				t process						
		49	Lifecycle				Article	015, Article 017, Article 009		20
		193	Maintenance process							20
		Link	https://www.iso.	Scope/	This document defines a set of pro	access and	Full text			
			org/obp/ui/en/#iso:std	71001001	associated concepts for describing	the life cycle of AI		SO (the Internationa		
			iso-iec:5338:ed-1:v1:e	en	systems based on machine learnin systems. It is based on ISO/IEC/IE	EE 15288 and	E	lectrotechnical Corr	IEC (the International mission) form the speciali	
					ISO/IEC/IEEE 12207 with modifica	tions and	S	ystem for worldwide	standardization. National	
		Name	AL INFORMATION and Domenico Natale	Affiliation ar	d UNI CT 533 (member)	Linkedin https://ww	ww.linkedin.co	om/in/domenico-nata	le-a9b99812/?	
		Surna Observa		Qualification	201	other originalS	ubdomain=it			
			Terms		% Variant	Complem	entary AI A	at		
	5339 - : 2024 ISO/IEC		Processes		/0	Completin		51		⁵²
pecification	Guidance for AI application	113	Stakeholder							52
Relationship with	Article 015-Accuracy, robus, Article 017-Quality managem, Article 009-Risk management (<i>Lifecycle</i>): Article 017-Quality	49	Lifecycle				Article	015. Article 017. Article 009		52
Ai Act	managem (Accountability)									
		178	Cloud service							52
		273	Accountability				Article	017		52
		Link	https://www.iso.	Scope/ Abstact	This document provides guidance	for identifying the	Full text	aroword		
			org/obp/ui/en/#iso:std		context, opportunities and process	es for developing	15	SO (the Internationa	I Organization for	
			iso-iec:5339:ed-1:v1:e		and applying AI applications. The g a macro-level view of the AI application	ation context, the	E	lectrotechnical Corr	IEC (the International mission) form the speciali	
					stakeholders and their roles, relation	onship to the life	s	ystem for worldwide	standardization. National	
		OPTIO Name	NAL INFORMATION and	Affiliation ar	nd	Linkedin				
		Surna	ame	Qualificatio	วท	other				
		Observa								

New	STANDARD		Standard A	I Act Mapp	ing	Terminology New	Technical Committee 533 Al
	The data presented have a value for researd	ch and not a lega				New	Hosting and developing
		Terms		% Variant	Complement	ntary Al Act	-
	5469 - : 2024 ISO/IEC TR	214 Safety				Article 001, Article 073, Article 006, Articl	e 007, Article 043, Article 014 31
	TR Functional safety and AI systems	242 Risk factors					31
Relationship with Ai Act		244 Explainability					31
	Article 043-Conformity asse, Article 014-Human oversight (Safety): Article 013-Transparency an (Transparency)	243 Transparency	1			Article 013	31
		Link https://www	.iso. Scope/ Abstact	This document describes the		Full text Foreword	
		org/obp/ui/e iso-iec:tr:54	n/#iso:std:	factors, available methods a — use of AI inside a safety i		ISO (the International Standardization) and	Organization for IEC (the International
		en		the functionality; — use of non-AI safety relat	ted functions to ensure	Electrotechnical Com	mission) form the specialized standardization. National
		OPTIONAL INFORM			· · ·	<u>u r u r </u>	
		Name and Surname	Affiliation an Qualification	nd on	Linkedin other		
		Observations					
	6254 - : ISO/IEC CD TS	Terms 244 Explainability		% Variant	Complemer	ntary Al Act	43
Specification	Objective and approaches for explainability and interpretability of ML models and AI systems	276 Interpretabilit	y				43
Relationship with Ai Act	Article 003-Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment.	¹¹³ Stakeholder					43
A 40	to, Article 043-Conformity asse, Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013-	4 AI systems				Article 003 Article 002 Article 004 Article	e 006, Article 007, Article 043, Article 43
	Transparency an, Article 016-Obligations of, Article 020- Corrective acti (Al systems)					Article 003, Article 002, Article 004, Articl 014, Article 072, Article 074, Article 071, J	Article 013, Article 016, Article 020
							•
		Link https://www	.iso. Scope/ Abstact	CD This document describe		Full text ISO/IEC CD TS 6254	
		org/standar html	0/82148.	methods that can be used to objectives of stakeholders w	ith regards to ML models	Objectives and appro	y — Artificial intelligence — aches for explainability and
				and AI systems' behaviours results.	, ບັບເມັນເຮັ, ສາານ	interpretability of ML Under development	models and AI systems
		OPTIONAL INFORM	MATION Affiliation a	nd	Linkedin		
		Observations	Qualification	on.	other		

New	STANDARD	Standard Al Act Mapping	Terminology UNINFO UNINFO US	
	The data presented have a value for resear	and not a legal value.	Linew Line Hosting and developing	
	8000 - 1 : 2022 ISO	Terms % Variant 16 Data quality	Complementary AI Act Article 010 39 39	F
	Part 1: Overview	65 Data quality management	39	$\left \right $
Relationship with Ai Act	Article 010-Data and data g (Data quality)	74 Data format	39	
		66 Data governance 35 Processes	39 	
		161 Master data	39	
		13 Stakeholder	39	
		62 Industrial data 9 Organization	39 39 39	
		Link https://www.iso. org/obp/ui/en/#iso:std: Scope/ series	view of the ISO 8000	┛
		iso:8000:-1:ed-1:v1:en	Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is	
		PTIONAL INFORMATION ame and Domenico Natale Affiliation and UNI CT 504 Qualification	Linkedin	
		servations		
		Terms _% Variant		
<i></i>	8183 - : 2023 ISO/IEC	Terms % Variant 11 Data processed are secured, protected, subject to suitable safeguards, including strict controls %	Complementary AI Act	Þ
	Data life cycle framework	13 Preparation	"	
with Ai Act	Article 017-Quality managem (Data life cycle); Article 074- Market surveill (Verification and validation): Article 010-Data and data g (Governance)	0 Data life cycle	Article (17 11	
		4 Decommissioning	"	
		8 Support	"	
		09 Busness requirements	"	
		10 Verification and validation	Article 074 11	
		11 Governance	Article 010 11	
				•
		Link https://www.iso. org/obplui/en/#iso:std: iso-iec:8183:ed-1:v1:en Scope/ Abstact This document defines the stage associated actions for data proce the artificial intelligence (AI) syst including acquisition, creation, di deployment, maintenance and d	essing throughout ISO (the International Organization for em life cycle, Standardization) and IEC (the International evelopment, Electrotechnical Commission) form the specialized	d
		PTIONAL INFORMATION ame and Domenico Natale Affiliation and UNI CT 533 (member)		
		Gurname Qualification	Linkedin https://www.linkedin.com/in/domenico-natale-a9b99812/? other originalSubdomain=it	
		servations		
	1	1		

New	STANDARD		andard A	I Act	lapping		Те	rminology New	Technical Committee 53	
	The data presented have a value for researd						L		Hosting ar developin	nd g
		Terms		% Vari	ant	Complemen	ntary Al Act			
Specification	8200 - : 2024 ISO/IEC TS Controllability of automated arttificial intelligence	95 Controllability							4	4
Relationship	Systems Article 007-Amendment. to (Autonomy); Article 014-Human	277 Ontology							4	4
with Ai Act	oversight (Controller)	266 Autonomy					Article 007		4	4
		278 Controller					Article 014		4	4
		95 Controllability							4	4
		275 Functional safety							44	4
										_
										•
		Link https://www.iso.	2. Scope/ Abstact	TS This document spe principles, characterist	cs and approaches	for the	Info	/IEC TS 8200:202 rmation technolog	y — Artificial intelligence –	-
		html		realization and enhance intelligence (AI) system	s' controllability.	d artificial	Cor	trollability of autor	nated artificial intelligence	
		OPTIONAL INFORMATIO		The following areas are	e covered:		Pub	lished (Edition 1,	2024)	
		Name and Surname	Affiliation ar Qualification	nd on	Linke					
		Observations								
		_								
	9868 - : ISO/IEC DIS	290 Biometric data		% Vari	ant	Complemen	Article 003,	Article 005	5	' ▲
	Biometric identification systems involving passive capture	291 Biometric identificati	on						5	1
Relationship with Ai Act	Article 015-Accuracy, robus (Security); Article 043-Conformity asse (Management); Article 003-Definitions, Article 005- Prohibited AI P (Biometric data)	292 Biometric characteri	stic						5	1
		265 Algorithm							5	1
		15 Bias in AI system							5	1
		66 Security					Article 015		5	1
		170 Management					Article 043		5	1
		293 Biometric algorithm							5	1
										•
		Link https://www.iso.	Scope/ Abstact	DIS This document est and requirements for the		dations	Full text For	eword (the International	Organization for	
		iso-iec:9868:dis:ev		and maintenance of bio involving passive captu	metric identification	n systems	Sta	ndardization) is a	vorldwide federation of dies (ISO member bodies).	
				post deployment evalu	ation.		The	work of preparing	International Standards is	
		OPTIONAL INFORMATIO Name and Surname	N Affiliation ar Qualificatio	nd	Linke	din				
		Observations			0					

New	STANDARD		Standard ,	Al Act Mapping		Terminology New	Technical Committee 533 AI
	The data presented have a value for researd	ch and not a lega					Hosting and developing
		Terms		% Variant	Complemente	n Al Act	
	12182 - : 2015 ISO/IEC TR	252 Categorizatio	n	Classification	Complementa		35
Specification	Framework for categorization of IT systems and	122 System					35
Relationship with	software, and guide for applying it Article 002-Scope, Article 006-Classification (Service)						
Ai Act		254 Software					35
		255 Service				Article 002, Article 006	35
		113 Stakeholder					35
		257 IT system					35
		118 Quality-in-use)				35
				·· <u>·····</u>			•
		Link https://www org/obp/ui/e	.iso. n/#iso:std:	This TR specifies the manner in categorizations of IT systems ar	which Fu Id software are	Foreword ISO (the Internationa	Organization for
		iso-iec:tr:12 v1:en		organized and expressed		Standardization) and	IEC (the International mission) form the specialized
		V1.011					standardization. National
				and UNI CT 504	Linkedin		
		Name and Surname	Qualificat	ion	other		
		Observations					
	12791 - 2 : 2024 ISO/IEC DTS	Terms 14 Bias		% Variant	Complementa	ry AI Act	60
Specification	Treatment of unwanted bias i classification and	106 Testing				Article 060	60
Relationship with	regression machine learninf tasks Article 060-Testing of high (Testing)	196 Testing					
Ai Act		113 Stakeholder					60
		163 Data quality n	nodel				60
							•
		Link https://www org/standar	iso. d/84110.	This document provides mitigation can be applied throughout the A	on toorningdoo triat	ll text	
		html		order to treat unwanted bias. Th describes how to address unwar	is document		
				systems that use machine learning			
		OPTIONAL INFORM		and	Linkedin		
		Surname	Affiliation a Qualificat	ion	other		
		Observations					

New	STANDARD	Stand		Mapping		Terminology New	Technical Committee 533 Al
	The data presented have a value for researc						Hosting and developing
		Terms		% Variant	Complementary	Al Act	~
	14971 - : 2019 ISO	159 Risk management proce	ess				30
	Application of risk management to medical devices	170 Management				Article 043	30
Relationship with Ai Act	Article 009-Risk management (<i>Residual risk</i>); Article 009-Risk management (<i>Risk evaluation</i>); Article 043-Conformity asse	156 Risk analysis					30
	(Management); Article 001-Subject matter, Article 073- Reporting of se, Article 006-Classification, Article 007- Amendment. to, Article 043-Conformity asse, Article 014-	158 Risk evaluation				Article 009	30
	Human oversight (Safety); Article 005-Prohibited AI P (Market for medical or safety reasons)						
		238 Risk estimation					30
		154 Residual risk				Article 009	30
		239 Market for medical or sa	fety reasons			Article 005	30
		214 Safety				Article 001, Article 073, Article 006, Articl	e 007, Article 043, Article 014 30
		240 Safety components of de	evices				30
							•
		Link https://www.iso.	Scope/ Abstact This	document specifies terminology	y, principles and Full te	xt Foreword	
		org/obp/ui/en/#iso:std iso:14971:ed-3:v1:en	: a pro	ocess for risk management of m iding software as a medical devi		ISO (the International Standardization) is a	Organization for worldwide federation of
				nostic medical devices. The pro is document intends to assist m		national standards bo	dies (ISO member bodies). International Standards is
		OPTIONAL INFORMATION		· · · · · · · · · · · · · · · · · · ·	·····		
		Name and Surname	Affiliation and Qualification		Linkedin other		
		Observations					
		-					
	17847 - : ISO/IEC TS	Terms 110 Verification and validation	on	% Variant	Complementary	AI Act Article 074	48
Specification	Verification and validation analysis of AI systems	235 Processes					48
Relationship with Ai Act	Article 003-Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment.	4 AI systems				Article 003, Article 002, Article 004, Articl 014, Article 072, Article 074, Article 071, J	e 006, Article 007, Article 043, Article 48
	to, Article 043-Conformity asse, Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013-	282 Formal method				una, Anticle U/2, Anticle U/4, Anticle U/1, J	48
	Transparency an, Article 016-Obligations of, Article 020- Corrective acti (AI systems); Article 015-Accuracy, robus, Article 017-Quality managem, Article 009-Risk management						
	(Lifecycle); Article 074-Market surveill (Verification and validation)	90 Evaluation					48
		49 Lifecycle				Article 015, Article 017, Article 009	48
							•
		Link https://www.iso.	Scope/ Abstact		Full te		
		org/standard/85072. html	guida	document describes approache ance on processes for the verifi	cation and	Verification and validation	y — Artificial intelligence — ation analysis of AI systems
				lation analysis of AI systems (co em components and the interact		Under development A working group has	prepared a draft.
		OPTIONAL INFORMATION	Affiliat				
		Name and Surname	Affiliation and Qualification		Linkedin other		
		Observations					

New	STANDARD		Standard AI A	Act Mapping	[Terminology	Technical Committee 533 Al
			Sort			New	lopen Hosting and developing
	The data presented have a value for resear		l value.				Commind developing
	21221 - ISO/IEC WD	299 Beneficial		% Variant	Complementary	Al Act Article 007	55
Specification	Beneficial AI systems	00% D (1				Article 007	55
Relationship	Article 003-Definitions, Article 002-Scope, Article 004-Al	298 Benefit				Anicle 007	55
with Ai Act	literacy, Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse, Article 014-Human	4 AI systems				Article 003, Article 002, Article 004, Artic 014, Article 072, Article 074, Article 071,	e 006, Article 007, Article 043, Article Article 013, Article 016, Article 020
	oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013- Transparency an, Article 016-Obligations of, Article 020-	258 Use-cases				Article 007	55
	Corrective acti (AI systems); Article 071-EU database fo (User); Article 007-Amendment. to (Use-cases); Article 007-	124 User				Article 071	55
	Amendment. to (Benefit); Article 007-Amendment. to (Beneficial)						
							•
		Link		nis document describes the bene			
			b	perceived by their stakeholders. enefits	· -		
				in be considered functional, ecor ivironmental, social, societal, cult			
		OPTIONAL INFORM	IATION				
		Name and Domeni Surname	co Natale Affiliation and Qualification	JNI CT 533	Linkedin other		
		Observations					
	22443 - ISO/IEC AWI	Terms		% Variant	Complementary	Al Act	50
Specification	22443 - : ISO/IEC AWI Guidance on addressing sociatal concerns and	250 Societal conc	erns				50 🔺
Relationship	ethical considerations	249 Ethical conce	ms				50
with Ai Act	Article 003-Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse, Article 014-Human	49 Lifecycle				Article 015, Article 017, Article 009	50
	oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013-	4 AI systems				Article 003, Article 002, Article 004, Artic 014, Article 072, Article 074, Article 071,	e 006, Article 007, Article 043, Article 50
	Transparency an, Article 016-Obligations of, Article 020- Corrective acti (Al systems); Article 015-Accuracy, robus, Article 017-Quality managem, Article 009-Risk management					014, Anticle 072, Anticle 074, Anticle 071,	Anicie 013, Anicie 016, Anicie 020
	(Lifecycle)						
							•
		Link https://www		WI TS This document provides g		_ 100/ILC AWI 10 224	
		org/standard html	1/8/119. ai	n organization can identify and ac oncerns and ethical consideration	s during the life		y — Artificial intelligence — ing societal concerns and
				cle of AI systems that can potent dividuals and society. The docum		ethical considerations Under development	
			[····			
		Name and Surname	Affiliation and Qualification		Linkedin other		
		Observations					

New	STANDARD		Standard ,	AI Act	Mapping		Terminology New	Technical Committee 533 Al
	The data presented have a value for researc	ch and not a lega						Hosting and developing
		Terms			% Variant	Complement	tary Al Act	
	22989 - : 2022 ISO/IEC	194 Artificial intelli	gence				Article 003, Article 001	26
	Artificial intelligence concepts and terminology	64 Terms related	to AI					28
with Ai Act	Article 015-Accuracy, robus (Data quality reporting); Article 074-Market surveill, Article 013-Transparency an (Validation); Article 003-Definitions, Article 001-Subject	206 Terms related	to computer vision					26
	matter (Artificial intelligence); Article 015-Accuracy, robus, Article 013-Transparency an (Cybersecurity); Article 004-Al literacy (Knowledge)	201 Terms related	to data					26
		202 Terms related	to machnine learning					26
		205 Terms related	to natural language p	processing				26
		203 Terms related	to neural networks					26
		204 Terms related	to trustworthiness					26
		28 Data quality re	eporting				Article 015	26
		215 Cybersecurity					Article 015, Article 013	26
		231 Knowledge					Article 004	26
		76 Validation					Article 074, Article 013	26
		Link https://www. org/obp/ui/ei iso-iec:2298 en	n/#iso:std:	describes con This documen other standard	t establishes terminology cepts in the field of AI. t can be used in the devel as and in support of comm e, interested parties or sta	lopment of junications	Standardization) a Electrotechnical C	onal Organization for and IEC (the International Commission) form the specialized vide standardization. National
		OPTIONAL INFORM			<u>, , , , , , , , , , , , , , , , , , , </u>	, Konolacia.		
		Name and Surname	co Natale Affiliation a Qualificat	and UNI CT 533 (r	member) Lir	wwwother originalSubo	.linkedin.com/in/domenico-r domain=it	natale-a9b99812/?
		Observations						
		Terms			% Variant	Complement	tarv Al Act	
Specification	22989 - 2 : ISO/IEC AWI Part 2: HealthcareThis	297 Healthcare			,-			54
Relationship	Part 2: Healthcare i his							
with Ai Act								
								•
		Link	Scope/ Abstact	+ This document	t estabilishes terminology cepts in the fields of AI for	ior / ir unu	Full text	
			IATION	L				
		Name and Surname	Affiliation a Qualificat	and tion		nkedin other		
		Observations						

New	STANDARD	Standard Al Act Mapping	Terminology UNINFO UNINFO Technical Committee 533 AI
	The data procented have a series for r	Sort	New Hosting and developing
	The data presented have a value for researd		
	23894 - : 2023 ISO/IEC	Terms % Variant Complementary 101 Risk management Complementary Complementary	AI ACI Article 017, Article 009, Article 012, Article 006, Article 007 24
Specification	Guidance on risk management	86 Leadership	Article 017 24
Ai Act	Article 010-Data and data g, Article 017-Quality managem (Design); Article 017-Quality managem (Leadership); Article	34 Design	Article 010, Article 017 24
	017-Quality managem, Article 009-Risk management, Article 012-Record keeping, Article 006-Classification, Article 007- Amendment. to (Risk management); Article 006-		24
	Classification (Products)	90 Evaluation	
		91 Improvement	24
		160 Risk treatment	24
		112 Monitoring	24
		235 Processes	24
		236 Products	Article 006 24
		Link https://www.iso. Scope/ Abstact This document provides guidance on how Full to	▼ Poreword
		organizations that develop, produce, deploy or use produces, systems and services that utilize artificial	I DIEWOID
		en intelligence (Al) can mage risk specifically related to AI. The guidance also aims to assist organizations	Electrotechnical Commission) form the specialized system for worldwide standardization. National
		OPTIONAL INFORMATION	
			din.com/in/domenico-natale-a9b99812/? in=it
		Observations	
	24027 - : 2021 ISO/IEC TR	Terms % Variant Complementary 51 Functional correctness	
Specification	Bias in AI systems and AI aided decision making	16 Characteristics of the data sets may be met at the	13
Relationship with	Article 010-Data and data g, Article 017-Quality managem	level of individual data sets or combination	
Ai Act	(Design); Article 015-Accuracy, robus, Article 017-Quality managem, Article 015-Accuracy, robus, Article 017-Quality managem, Article 009-Risk management (Lifecycle)	14 Bias	13
		106 Data bias	13
		34 Design	Article 010, Article 017
		49 Lifecycle	Article 015, Article 017, Article 009
		107 Software testing	13
		108 Social responsibility	13
		Link https://www.iso. Scope/ Abstact This document addresses bias in relation to Al Full te	Foreword
		log/objui/en/#iso:std: los/oiectr:24027:ed-1: decision-making. Measurement techniques and	ISO (the International Organization for
		v1:en v1:en methods for assessing bias are described, with the aim to address and treat bias-related vulnerabilities.	Standardization) is a worldwide federation of national standards bodies (ISO member bodies).
		optional information	The work of preparing International Standards is
			din.com/in/domenico-natale-a9b99812/? in=it
		Observations	

New	STANDARD	Standar Sort	Al Act	t Mapping		Т	Terminology New	Technical Committe	e 533 Al
	The data presented have a value for research	h and not a legal value.						alopen Hostir devel	ng and loping
	24028 - : 2020 ISO/IEC TR	4 AI systems		% Variant	Complement		Ct 003, Article 002, Article 004, Article icle 072, Article 074, Article 071, Art	006, Article 007, Article 043, Article icle 013, Article 016, Article 020	42
	Overview of trustworhiness in Al	135 Trustworthiness							42
Relationship with <mark>Ai Act</mark>	Article 003-Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse, Article 014-Human	265 Algorithm							42
	oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013- Transparency an, Article 016-Obligations of, Article 020- Corrective acti (Al systems); Article 010-Data and data g	266 Autonomy				Article 0	107		42
	(Consistency); Article 015-Accuracy, robus (Security); Article 074-Market surveill, Article 013-Transparency an (Validation); Article 020-Corrective acti (Risk); Article 003-	25 Consistency				Article 0	310		42
	Definitions, Article 001-Subject matter (Artificial intelligence); Article 060-Testing of high (Testing); Article 001-Subject matter, Article 073-Reporting of se, Article 006-	260 Data				Article 0	010, Article 017, Article 012, Article 0	071	42
	Classification, Article 007-Amendment. to, Article 043- Conformity asse, Article 014-Human oversight (Safety); Article 004-Al literacy (Training); Article 013-Transparency an (Transparency); Article 010-Data and data g, Article 017- an (Transparency); Article 010-Data and data g, Article 017-	39 Efficiency							42
	Quality managem, Article 012-Record keeping, Article 071- EU database fo (Data); Article 007-Amendment. to (Autonomy); Article 013-Transparency an (Information);	267 Human Factor							42
	Article 060-Testing of high, Article 019-Automatically g (Personal data)	268 Information	Article 0)13		42			
		269 Machine learning							42
		270 Neural network 271 Personal data				Article 0	160. Article 019		42
		271 Personal data				Article o	200, XI IICIE 019		- -
		Link https://www.iso. org/obp/ui/en/#iso:std: iso-iec:38507:ed-1:v1: en		s document surveys topics related tworthiness in AI systems	d to F	SI	SO (the International (tandardization) and If lectrotechnical Comm		
		OPTIONAL INFORMATION Name and Domenico Natale	Affiliation and UN	II CT 533	Linkedin				
	C	Surname Observations	Qualification		other				
	24029 - 1 : 2021 ISO/IEC TR	Terms 194 Artificial intelligence		% Variant	Complement		Ct 003, Article 001		21
	Assessment of the robustness of neural networks - Part 1 Overview	195 Artificial neural network							21
Relationship with <mark>Ai Act</mark>	Article 015-Accuracy, robus, Article 013-Transparency an (Robusteness); Article 010-Data and data g (Training, validation, testing datasets); Article 003-Definitions, Article	196 Testing				Article 0	360		21
	001-Subject matter (Artificial intelligence); Article 060-Testing of high (Testing)	18 Robusteness				Article 0	015, Article 013		21
		74 Training, validation, testin	g datasets			Article 0	010		21
									•
		Link https://www.iso. org/obp/ui/en/#iso:std: iso-iec:tr:24029:-1:ed-1 v1:en	exis	s document TR provides backgrou ting methods to assess the robus vorks.	und about F stness of neural	SI	SO (the International (tandardization) and If lectrotechnical Comm	Drganization for EC (the International iission) form the speci tandardization. Natior	
		OPTIONAL INFORMATION	Affiliation and		Linkedin	<u>ن</u> ا	<u> </u>		•••
		Name and Surname	Qualification		other				

New	STANDARD		Standard AI	Act Mapping]	Terminology New	Technical Committee 533 Al
	The data presented have a value for researd	ch and not a legal v					Hosting and developing
		Terms		% Variant	Complement	ary Al Act	
Cassification	24029 - 2 : 2023 ISO/IEC	197 Domain					22
	Assessment of the robustness of neural networks - Part 2 Methodology for the use of formal methods	¹⁹⁸ Bounded domai	n				22
Relationship with Ai Act	Article 015-Accuracy, robus, Article 013-Transparency an (Robusteness)	199 Architecture					22
		200 Time series					22
		¹⁸ Robusteness				Article 015, Article 013	22
							•
		Link https://www.is org/obp/ui/en/s	0. Hisoustd:	This document provides methodol ormal methods to assess robustn	ogy for the use of	ISO (the International	I Organization for
		iso-iec:24029: v1:en	-2:ed-1: r	eural networks. The document fo select, apply and manage formal r	cuses on how to	Standardization) and	IEC (the International mission) form the specialized
		VI.on		obustness properties.			e standardization. National
		OPTIONAL INFORMA Name and	Affiliation and		Linkedin		
		Surname Observations	Qualification		other		
	24000	Terms		% Variant	Complement	ary Al Act	
Specification	24029 - 3 : ISO/IEC AWI	Terms		% Variant	Complement	ary Al Act	
	24029 - 3 : ISO/IEC AWI AWI Assessment of the robustness of neural networks - Part 3 Methodology for the use of formal	Terms		% Variant	Complement	ary Al Act	
Specification Relationship with Ai Act	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	A
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural	Terms		% Variant	Complement	ary Al Act	
Relationship with	AWI Assessment of the robustness of neural						
Relationship with	AWI Assessment of the robustness of neural	Link https://www.is org/standard/8	6901. (1001abi	This document AWI provides mettrased as a set of statistical methods to asset	nodology for the sorbustness	ull text [SO/IEC AWI 24029-	→ 3 (AI) — Assessment of the
Relationship with	AWI Assessment of the robustness of neural	Link https://www.is	6901.	This document AWI provides mett se of statistical methods to assee courses on how to select, apply ar	nodology for the ss robustness o document d manage	ull text ISO/IEC AWI 24029- Artificial intelligence (robustness of neural Part 3: Methodology 1	→ 3 (AI) — Assessment of the
Relationship with	AWI Assessment of the robustness of neural	Link https://www.is org/standard/8	6901.	This document AWI provides methods to asses properties of neural networks. The	nodology for the ss robustness o document d manage	ull text ISO/IEC AWI 24029- Artificial intelligence (robustness of neural	3 (AI) — Assessment of the networks
Relationship with	AWI Assessment of the robustness of neural	Link https://www.is org/standard/8 html	16901.	This document AWI provides mettrass of statistical methods to assess robut statistical methods to asse	Fodology for the ss robustness e document ad manage stness properties.	ull text ISO/IEC AWI 24029- Artificial intelligence (robustness of neural Part 3: Methodology 1	3 (AI) — Assessment of the networks
Relationship with	AWI Assessment of the robustness of neural networks - Part 3 Methodology for the use of formal	Link https://www.is org/standard/8 html	6901.	This document AWI provides mettrass of statistical methods to assess robut statistical methods to asse	nodology for the ss robustness o document d manage	ull text ISO/IEC AWI 24029- Artificial intelligence (robustness of neural Part 3: Methodology 1	3 (AI) — Assessment of the networks

New	STANDARD		Standard Sort	AI Ac	x 🛛	Mapping			Terminology New	UNINFO	
	The data presented have a value for researc	h and not a lega		J						aiopen devel	ng and loping
		Terms			% Va	riant	Compleme	ntary Al	Act		
Onesification	24030 - : 2024 ISO/IEC TR	258 Use-cases							ile 007		36
Specification		194 Artificial intelli	gence					Artic	le 003, Article 001		36
Relationship with Ai Act		4 AI systems						Artic 014,	le 003, Article 002, Article 004, Articl Article 072, Article 074, Article 071, J	e 006, Article 007, Article 043, Article Article 013, Article 016, Article 020	36
	oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013-										
	Transparency an, Article 016-Obligations of, Article 020- Corrective acti (Al systems); Article 003-Definitions, Article 001-Subject matter (Artificial intelligence); Article 007-										
	Amendment. to (Use-cases)										
											•
		Link https://www.	iso.		s document TR pr resentative use ca				Foreword ISO (the International	Organization for	
		iso-iec:tr:240			iety of domains.				Standardization) and	IEC (the International mission) form the speci	ialized
										standardization. Nation	
		OPTIONAL INFORM		ition and			Linkedin				
		Surname Observations	Qua	lification			other				_
	04060	Terms			% Va	riant	Compleme	ntary Al	Act		
Specification	24368 - : 2022 ISO/IEC TR Overview of ethical and societal concerns	249 Ethical concer	ns								34
Relationship with		250 Societal conc	erns								34
with Ai Act	Article 043-Conformity asse, Article 014-Human oversight	251 Ethical framew	vork								34
	(Safety)	214 Safety						Artic	le 001, Article 073, Article 006, Articl	e 007, Article 043, Article 014	34
		Link https://www.	iso S	cope/ TR	This document pr	ovides a high-lev	vel overview of	Full text	ISO/IEC TR 24368:20	100	
		org/standard	/78507.	hetact	ethical and societa				Information technolog Overview of ethical an	y - Artificial intelligend	ce —
									Published (Edition 1,		
		OPTIONAL INFORM	IATION						Let		
		Name and Domenie Surname	o Natale Affilia	tion and UM	NI CT 533		Linkedin other				
		Observations									

New	STANDARD		Standard Sort	AI Act	Mapping			Terminology New	Technical Committee	
	The data presented have a value for researc	h and not a legal							aiopen develop	g and iping
		Terms			_% Variant	Complemer	ntarv Al	Act		
	24970 - : ISO/IEC AWI	245 Logging			-			ile 012		32
Specification	AI system logging	73 Traceability					Artic	ile 012		32
Relationship with <mark>Ai Act</mark>	Article 012-Record keeping (Traceability): Article 017-Quality managem, Article 008-Risk management, Article 012- Record keeping, Article 006-Classification, Article 007- Amendment. to, (Risk management): Article 012-Record	101 Risk managem	ent				Artic	ile 017, Article 009, Article 012, Articl	• 006, Article 007	32
	keeping (Logging)									
										•
		Link https://www.is	SO. Scope Abstac	This document	describes common c			ISO/IEC AWI 24970		
		org/standard/	88723.	logging of even	nd a supporting inform ts in AI systems. This	s document is		Artificial intelligence – Under development		
				designed to be system.	used with a risk man	agement		A working group has	prepared a draft.	
		OPTIONAL INFORMA								
		Name and Surname	Natale Affiliation Qualifica	and UNI ation		Linkedin other				
		Observations								
	25010 - : 2023 ISO/IEC	Terms 207 Functional suita	ability	ç	₆ Variant	Complemen	ntary Al	Act		27
Specification	SQuaRE - Product quality model	208 Performance ef	fficiency							27
Relationship with	Article 015-Accuracy, robus (Security); Article 001-Subject		liciency							
Ai Act	matter, Article 073-Reporting of se, Article 006- Classification, Article 007-Amendment. to, Article 043- Conformity asse, Article 014-Human oversight (Safety)	98 Compatibility								27
		210 Interaction capa	ability							27
		211 Reliability					_			27
		66 Security					Artic	de 015		27
		99 Maintainability								27
		213 Flexibility								27
		214 Safety					Artic	le 001, Article 073, Article 006, Articl	007, Article 043, Article 014	27
										•
		Link https://www.is	SO. Scope	at This document	defines a product qu	ality model,	Full text	Foreword		
		org/obp/ui/en/ iso-iec:25010	/#iso:std:	which is application	ble to ICT (information technology) products	on and software		ISO (the International Standardization) and		
		en			roduct quality model stics (which are furthe			Electrotechnical Com	nission) form the specia standardization. Nationa	
		OPTIONAL INFORMA		<u>baran kakaran</u>	- ¹	19		<u> </u>		·
		Name and Domenico Surname		and UNI CT 504 (pr ation	esident))	Linkedin iso25000.it other				
		Observations								

New	STANDARD		pping	Terminology VIINFO VIII New Technical Committee 533 AI
	The data presented have a value for researd	and not a legal value		Livew Hosting and developing
		Terms % Variant	Complementary	~
	25012 - : 2008 ISO/IEC	2 Accuracy	Complementary	Article 013 38
	Data quality model	20 Completeness Complet	ie	38
Relationship with Ai Act	Article 074 Fill detelance for (Annual 1997) Article 000 Filling 045	27 Currentness		38
	Article 010-Data and data g (Complete); Article 017-Quality managem (Compliance); Article 010-Data and data g (Consistency); Article 012-Record keeping (Traceability);	21 Compliance		Article 017 38
	Article 010-Data and data g (Data quality)	26 Credibility		38
		1 Accessibility		Article 017, Article 005, Article 071 38
		25 Consistency		Article 010 38
		39 Efficiency		38
		75 Understandability		
		73 Traceability		Article 012 38
		56 Precision		38
		116 Data quality		Article 010 38
		Link https://www.iso. Scope/ This International Standar	d defines a general data	ext Foreword
		org/obp/ui/en/#iso:std: quality model for data reta iso-iec:25012:ed-1:v1: within a computer system.	ined in a structured format	ISO (the International Organization for Standardization) and IEC (the International
		en This International Standard the data as part of a comp	d focuses on the quality of outer system and defines	Electrotechnical Commission) form the specialized system for worldwide standardization. National
		OPTIONAL INFORMATION Name and Domenico Natale Affiliation and UNI CT 504	Linkedin	
		Surrame Observations	other	
	05040	Terms % Variant	Complementary	AI Act
Specification	25019 - : 2023 ISO/IEC Quality-in-use model	100 Post-market		Article 017, Article 072 25
Relationship	Article 017 Quality managem Article 005 Prohibited ALP	112 Monitoring		25
with Ai Act	Article 071 ELL dotabase for (Accessibility): Article 017 Quality	113 Stakeholder		25
	and data g (Data quality); Article 020-Corrective acti (Risk); Article 071-EU database fo (User); Article 004-Al literacy (Experience); Article 074-Market surveill (Verification)	90 Evaluation		25
		1 Accessibility		Article 017, Article 005, Article 071 25
		97 Usability		25
		116 Data quality		Article 010 25
		115 Customer		25
		117 Information system		25
		79 Organization		25
		118 Quality-in-use		25
		119 Risk		Article 020 25
				v
		Link https://www.iso. org/obp/ui/en/#iso:std:	uality-in-use model Full teristics (which are further	Ext Foreword ISO (the International Organization for
		iso-iec:25019:ed-1:v1: en influence stakeholders wh	en products or systems	Standardization) and IEC (the International Electrotechnical Commission) form the specialized
			itext of use. This model is	system for worldwide standardization. National
		OPTIONAL INFORMATION Name and Surname Domenico Natale Affiliation and UNI CT 504 (president) Qualification	Linkedin iso25000.it other	
		Observations		

New	STANDARD		Standard Sort	AI Act	Mapping		Terminology New	Technical Committee 533 Al
	The data presented have a value for research	h and not a loga						Hosting and developing
	The data presented have a value for research		i value.					
	25024 - : 2015 ISO/IEC	2 Accuracy		%	Variant free of errors	Complementar	y AI Act Article 015, Article 013	2
Specification	Measurement of data quality	- /////////////////////////////////////						
Relationship		21 Compliance			complete		Article 017	2
with Ai Act	Article 071-EU database fo (Accessibility); Article 015- Accuracy robus Article 013-Transparency an (Accuracy);	1 Accessibility			access		Article 017, Article 005, Article 071	2
	Article 017-Quality managem (Compliance); Article 010-Data and data g (Consistency); Article 015-Accuracy, robus	50 Measurement	and method				Article 015	2
	(Measurement and method); Article 010-Data and data g (Quality criteria): Article 012-Record keeping (Traceability);							
	Article 010-Data and data g (Training, validation, testing datasets); Article 074-Market surveill, Article 013- Transparency an (Validation); Article 010-Data and data g,	23 Confidentiality	/		personal data			2
	Article 017-Quality managem, Article 012-Record keeping, Article 071-EU database fo (Data)	11 Balance						2
		26 Credibility				complementary		2
		05 0 1						2
		25 Consistency				complementary	Article 010	2
		27 Currentness				complementary		2
		76 Validation				complementary	Article 074, Article 013	2
		40 Eliminate or r	educe biased out	put		complementary		2
		57 Quality criteri	1			complementary	Article 010	2
		Link https://www	iso Sa	cope/ This International	Standard defines data	Ful	I text Foreword	
		org/obp/ui/e	n/#iso:std:	measures for qua	antitatively measuring t	he data	ISO (the International	
		iso-iec:2502 en	4:ed-1:v1:	quality in terms o ISO/IEC 25012.	f characteristics define	din		I IEC (the International nmission) form the specialized
				This International	Standard contains the	following:		e standardization. National
		OPTIONAL INFORM				L		
		Name and Domeni Surname	co Natale Affiliat Qual	tion and UNI CT 504 (pre- lification	sident) Lir	nkedin iso25000.it other		
	C	Observations						
	25058 - 2024 ISO/IEC TS	Terms		%	Variant	Complementar	y Al Act	<u>_</u> _
Constitution		35 Quality mode						47
	Guidance for quality evaluation of AI systems	90 Evaluation						47
Relationship with Ai Act	Article 012-Record keeping, Article 006-Classification,	51 Functional co	rrectness					47
	Article 007-Amendment. to (Risk management)	70 5 1						47
		78 Functional ad	aptability					** <i>1</i>
		280 Functional ap	propriateness					47
		279 Functional co	mpleteness					47
		208 Performance	efficiency					47
		1 chomanoo	ennoroney					
		97 Usability						47
		207 Functional su	tability					47
		101 Risk manage	nent				Article 017, Article 009, Article 012, Arti	cle 006, Article 007 47
		250 Societal conc	2722					47
		200 Societal Conc	51115					
		131 Societal risk						47
		Link Inner II	Sc	cope/ TS This documer	an an Adama Adama A	Full of the Full	I text Foreword	•
		Link https://www org/obp/ui/e	n/#iso:std:	of artificial intellig	nt provides guidance fo ence (AI) systems usir		Foreword ISO (the International	al Organization for
		iso-iec:ts:25 v1:en	058:ed-1:	system quality m	odel.		Standardization) is a	worldwide federation of odies (ISO member bodies).
		¥ 1.011						ig International Standards is
		OPTIONAL INFORM						
		OPTIONAL INFORM Name and Surname	co Natale Affiliat	tion and UNI CT 504 lification	Lir	nkedin other		
		Name and Domeni	co Natale Affiliat	tion and UNI CT 504 lification	Lir	nkedin other		

New	STANDARD			Al Act	Mapping		Terminology	Technical Committe	
			Sort				New	aiopen Hostin deve	ng and
	The data presented have a value for researc	ch and not a l Terms	egal value.	1/-					loping
	25059 - : 2023 ISO/IEC	5 Annotati	on	% Va	Cor	nplementary /	A/ ACt rticle 010		19
Specification	Quality model for AI Systems	35 Quality n	nodel						19
Relationship with	Article 017-Quality managem, Article 005-Prohibited Al P, Article 071-EU database fo (Accessibility); Article 017-Quality	4 AI syster	ms			A	rticle 003. Article 002. Article 004. Artic	le 006. Article 007. Article 043. Article	19
Ai Act	managem (AI models); Article 003-Definitions, Article 002- Scope, Article 004-AI literacy, Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse,						Article 003, Article 002, Article 004, Article 005, Article 007, Article 043, Article 014, Article 074, Article 071, Article 013, Article 016, Article 020		
	Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo,	3 Al model	ls			A	rticle 017		19
	Article 013-Transparency an, Article 016-Obligations of, Article 020-Corrective acti (AI systems); Article 010-Data and data g (Annotation); Article 015-Accuracy, robus, Article 013-	1 Accessib	bility			A	rticle 017, Article 005, Article 071		19
	Transparency an (Robusteness); Article 015-Accuracy, robus (Security); Article 013-Transparency an (Transparency)	95 Controlla	ability						19
		78 Function	al adaptability						19
		64 Terms re	elated to Al						19
		66 Security		Cut	persecurity		rticle 015		19
				-	-				
		97 Usability		Inte	raction capability				19
		98 Compati	bility						19
		243 Transpar	rency			A	rticle 013		19
									
			o/ui/en/#iso:std:	systems and is an ap	es a quality model for Al plication-specific extension t		ISO (the Internationa		
	Ν	iso-iec: en	25059:ed-1:v1:	sub-characteristics de	aRE. The characteristics an tailed in the model provide		Electrotechnical Corr	IEC (the International mission) form the spec	
					y for specifying, measuring a	and	system for worldwide	standardization. Nation	nal
		OPTIONAL INF Name and Surname	menico Natale Affiliation	and UNI CT 533 (member ion UNI CT 504 (presider) Linkedin http t) other orig	os://www.linked ginalSubdomair	in.com/in/domenico-nata	e-a9b99812/?	
		Observations		on on our of sor (presider		ginaloubuomai			
	25059 - 1 ISO/IEC AWI	Terms		% Va	riant Cor	nplementary ,			50
Specification	Quality model for Al systems	3 AI model	IS			A	rticle 017		56
Relationship	Article 017-Quality managem (Al models); Article 003-	4 Al syster	ns			A	rticle 003, Article 002, Article 004, Artic 14, Article 072, Article 074, Article 071,	le 006, Article 007, Article 043, Article Article 013, Article 016, Article 020	56
with Ai Act	Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment. to,	255 Service				A	rticle 002, Article 006		56
	Article 043-Conformity asse, Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013-Transparency an,	153 Measure	ment	me	asuring	A	rticle 009		56
	Article 016-Obligations of, Article 020-Corrective acti (Al systems); Article 009-Risk management (Measurement); Article 001-Subject matter, Article 073-Reporting of se,	90 Evaluatio	on	eva	luating				56
	Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse, Article 014-Human oversight	214 Safety					rticle 001, Article 073, Article 006, Artic	le 007, Article 043, Article 014	56
	(Safety); Article 002-Scope, Article 006-Classification (Service)		1.00						56
		210 Interaction	on capability						36
									•
		Link https://	www.iso. ndard/88234.		es quality models for Al and is an applicationspecifi	Full tex			
		btml	10di 0/00204.	extension to the stand	lards on SQuaRE. The		1		
					b-characteristics detailed in stent terminology for specify				
			FORMATION Affiliation	and	Liskodia				
		Name and Surname	Qualificat	ion	Linkedin other				
		Observations							

New	STANDARD		Standar	d A	I Act Mapping			Terminology	UNINFO	
			Sort					New	Technical Committee	ng and
	The data presented have a value for researc		legal value.		Voint	_				
	25223 - : 2024 ISO/IEC AWI	4 Al syste	ems		% Variant	Compleme		Act le 003, Article 002, Article 004, Article Article 072, Article 074, Article 071, A	e 006, Article 007, Article 043, Article Irticle 013, Article 016, Article 020	58
Specification	Guidance and requirements for uncertainty quantification in AI systems	265 Algorith	ım				_			58
	Article 003-Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment.	309 Statisti	cal confidence							58
	to, Article 043-Conformity asse, Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013-	310 Confice								58
	Transparency an, Article 016-Obligations of, Article 020- Corrective acti (Al systems); Article 013-Transparency an (Transparency); Article 010-Data and data g, Article 017-									
	Quality managem, Article 012-Record keeping, Article 071- EU database fo (Data)	276 Interpre	etability							58
		269 Machin	e learning							58
		311 Measu	re							58
		312 Probab	ility measure							58
		313 Randor	n variable							58
		211 Reliabi	lity				_			58
		314 Simulat	-							58
		122 System	l							▶ 58
		Link https:/	//www.iso.	Scope/ Abstact	Abstract		Full text			
		org/st	andard/89475.		This document specifies general and guidance and requirements for the	development and				
					use of methods for the quantification in Al systems. This document defin					
			IFORMATION omenico Natale A	ffiliation or	dunu ot coo	Linkadia				
		Name and Surname	omenico Natale A	Qualificatio	n	Linkedin other				
		Observations								
		Terms			% Variant	Compleme	ntary Al	Act		
	26514 - : 2022 ISO/IEC/IEEE	34 Design			/0	Compleme		le 010, Article 017		46
	Design and development of information for users	124 User					Artic	ile 071		46
Relationship with <mark>Ai Act</mark>	Article 010-Data and data g, Article 017-Quality managem (Design); Article 071-EU database fo (User); Article 013- Transparency an (Information)	268 Informa	ation				Artic	ile 013		46
							_			
										•
		Link https:/	//www.iso. op/ui/en/#iso:std:	Scope/ Abstact	This document covers the develop designers and developers of inform	ment process for nation for users of		Foreword ISO (the International	Organization for	
			c-ieee:26514:ed		software. It describes how to establinformation users need, how to det	lish what		Standardization) and	IEC (the International mission) form the spec	alized
]	which that information should be p	resented, and how			standardization. Nation	
		OPTIONAL IN Name and S Surname	IFORMATION tazi A	filiation ar Qualificatio	d UNI TC 504	Linkedin other				
		Observations	_			00101				

New	STANDARD			Al Act	lapping		Terminology	Technical Committee 533 Al
	The data procented have a value for recease	ab and not a loss	Sort				New	logining Hosting and developing
	The data presented have a value for researc	rn and not a legal Terms	i value.	% Van	ant		A.1	
	27000 - : 2018 ISO/IEC	137 Access contro	pl	% Fur	Com	olementary Al	ACI	28
	Information security management system - Overview and vocabulary	138 Attack						28
Relationship with Ai Act	Article 015-Accuracy, robus (Measurement and method); Article 017-Quality managem, Article 009-Risk management,	139 Authentication	n			_		28
	Article 012-Record keeping, Article 006-Classification, Article 007-Amendment. to (<i>Risk management</i>); Article 003- Definitions, Article 043-Conformity asse, Article 016-	140 Authenticity						28
	Obligations of, Article 018-Documentation k (Conformity); Article 009-Risk management, Article 011-Technical docum, Article 072-Post-market mon (Documented information);							
	Article 008-Compliance with (Compliance with the requirements): Article 017-Quality managem (Management system); Article 009-Risk management (Measurement); Article	¹⁰ Auditability						28
	009-Risk management (<i>Residual risk</i>); Article 009 -Risk management (<i>Risk evaluation</i>)	105 Competence						28
		23 Confidentiality	у					28
		143 Consequence	9					28
		144 Conformity				Arti	cle 003, Article 043, Article 016, Arti	cie 018 28
		143 Consequence	9					28
		145 Documented i	information			Arti	cle 009, Article 011, Article 072	28
		146 Governance (of information security					28
			Si mornation security					T
		Link https://www.		This document provide	s the overview of information	n Full text	Foreword	
		org/obp/ui/el iso-iec:2700 en			systems (ISMS). It also initions commonly used in the ds. This document is	ne		worldwide federation of
					and sizes of organization (e.	g.		odies (ISO member bodies). g International Standards is
		OPTIONAL INFORM	Affiliation a	Ind	Linkedin			
		Surname Observations	Qualificat	ion	other			
	00110 11	Terms		% Van	ant Com	olementary Al	Act	
Specification	29119 - 11 : 2020 ISO/IEC TR Guidelines on the testing of Al-based systems (2020)	2 Accuracy				Arti	cle 015, Article 013	49
Relationship		128 Freedom from	n risk					49
with Ai Act	Article 015-Accuracy, robus, Article 013-Transparency an (Accuracy); Article 060-Testing of high (Testing); Article 007- Amendment. to (Autonomy); Article 013-Transparency an	265 Algorithm						49
	(Metrics); Article 043-Conformity asse (Assessment)	266 Autonomy				Arti	cle 007	49
		14 Bias				-		49
		283 Deep learning	3			_		49
		244 Explainability						49
		276 Interpretability	w.					49
			2					49
		56 Precision						
		274 Robot						49
		284 Test data						49
		285 Metrics				Arti	cle 013	49
		Link https://www.	iso Scope/	This document TR (20	20) provides an introduction	to Full text	Foreword	
		org/obp/ui/ei iso-iec:tr:29	n/#iso:std:	Al-based systems. The	se systems are typically ural nets), are sometimes		ISO (the International	I Organization for IEC (the International
		-1:v1:en	110. 11.00	based on big data, car	be poorly specified and can hich creates new challenges		Electrotechnical Con	mission) form the specialized
		OPTIONAL INFORM		Land and a strength of the str]	of store in the world wide	
			co Natale Affiliation a Qualificat	ind UNI CT 504	Linkedin other			
		Observations						

New	STANDARD		Standard ,	Al Act Map	ping	Terminology New	Technical Committee 533 Al
	The data presented have a value for researc	ch and not a leg	al value.				Hosting and developing
	31000 - 2018 ISO	Terms		% Variant	Compleme	ntary AI Act	
Specification	S 1000 - : 2018 ISO Risk management - Guidelines	79 Organization	1				37
		101 Risk manag	ement			Article 017, Article 009, Article 012, Artic	le 006, Article 007 37
Helationship with Ai Act	Article 017-Quality managem, Article 009-Risk management, Article 012-Record keeping, Article 006-Classification, Article 007-Amendment. to (Risk management)	113 Stakeholder					37
	Andre our Americinent. to (risk management)						
							•
		Link https://www org/obp/ui/	w.iso. /en/#iso:	ISO 31000 provides guideli faced by organizations.	nes on managing risks	Full text Foreword ISO (the International	Organization for
		std:65694:	en			Standardization) is a	worldwide federation of odies (ISO member bodies).
							g International Standards is
		OPTIONAL INFOR Name and	Affiliation a	ind	Linkedin		
		Surname Observations	Qualificat	ion	other		
		00001112110110					
		Terms		% Variant	Compleme	ntary AI Act	
	31010 - : 2019 IEC	237 Risk assess	ment techniques	% Farlan	Compleme		29
Specification	Risk assessment techniques	79 Organization	ı				29
Relationship with Ai Act	Article 015-Accuracy, robus, Article 010-Data and data g, Article 017-Quality managem (Data collection processes)	112 Monitoring					29
ALACI							
		29 Data collect	on processes			Article 015, Article 010, Article 017	29
							•
		Link https://www org/obp/ui/	w.iso. /en/#iso:std:	Not available		Full text IEC 31010	
		iec:31010:	ed-2:v1:en,fr			Edition	
						2 .0	
					Links		
		Name and Surname	Affiliation a Qualificat	ion	Linkedin other		
		Observations					

New	STANDARD		Standard Sort	AL	Act Mapping]	Terminology New	Technical Committee 533 Al
	The data presented have a value for researd	ch and not a lega						Hosting and developing
	38500 - 2024 ISO/IEC	Terms			% Variant	Complementary	AI Act	40
Specification	Governance of IT for the organization	111 Governance						
Relationship with		170 Managemen	t				Article 043	40
Ai Act	Conformity asse (Management)							
								•
		Link https://www	/.iso.		his document provides guiding p		100/120 00000.2021	
		org/standar html	0/61064.	tł	nembers of governing bodies of o nose that support them on the eff icceptable use of information tech	ective, efficient and	the organization	y — Governance of IT for
					neir organizations.	niology (11) within	Published (Edition 3,	2024)
		OPTIONAL INFOR Name and Domen	ico Natale Affil	iation and	UNI CT 504	Linkedin		
		Surname Observations		alification		other		
	38507 - : 2022 ISO/IEC	Terms 111 Governance			% Variant	Complementary	AI Act	41
Specification	Governance implications of the use of AI by	194 Artificial intel	ligongo				Article 003, Article 001	41
Relationship with	organizations Article 010-Data and data g (Governance): Article 003- Definitions, Article 001-Subject matter (Artificial intelligence);							41
Ai Act	Article 006-Classification (Decision-making)	79 Organization						
		256 Decision-ma	king				Article 006	41
		Link		Scope/				
		Link https://www org/search. PROD_isou	html?	t	his document provides guidance ne governing body of an organiza overn the use of Artificial Intellige	ition to enable and	ISO/IEC 38507:2022	y — Governance of IT —
		5Bquery%5	5D=38507	to	overn the use of Artificial intellige o ensure its effective, efficient and vithin the organization.	d acceptable use	Governance implicati intelligence by organi Published (Edition 1,	ons of the use of artificial zations
		OPTIONAL INFOR	MATION	Ľ	and and organization.			2022)
		Name and Domen Surname	ico Natale Affil	iation and alification	UNI CT 504	Linkedin other		
		Observations						

New	STANDARD	Stan		Al Act	Mapping		Terminology	Technical Committee 533 Al
		So	rt				New	Hosting and developing
	The data presented have a value for researc	ch and not a legal value						
	42001 - : 2023 ISO/IEC	Terms 80 Cleaning		%	Variant	Complementa	Article 010, Article 017	14
Specification	Management system							14
Relationship		87 Planning					Article 017	14
Ai Act	Article 013-Accuracy, robus (Measurement and method); Article 010-Data and data g, Article 017-Quality managem (Cleaning); Article 017-Quality managem (Leadership); Article 017-Quality managem (Planning); Article 017-Quality	88 Support						14
	managem, Article 009-Risk management, Article 012- Record keeping, Article 006-Classification, Article 007-	89 Operation						14
	Amendment. to (Risk management); Article 010-Data and data g (Data quality); Article 020-Corrective acti (Risk); Article 003-Definitions, Article 043-Conformity asse, Article	90 Evaluation						14.
	016-Obligations of, Article 018-Documentation k (Conformity); Article 009-Risk management, Article 011-	91 Improvement						14
	Technical docum, Article 072-Post-market mon (Documented information); Article 017-Quality managem (Management system); Article 009-Risk management (Measurement); Article							14
	010-Data and data g, Article 017-Quality managem, Article 012-Record keeping, Article 071-EU database fo (Data); Article 017-Quality managem (Accountability); Article 017-	92 Acquisition						14
	Quality managem (Data acquisition)	50 Measurement and me	hod				Article 015	14
		79 Organization						14
		86 Leadership					Article 017	14
		¹⁰¹ Risk management					Article 017, Article 009, Article 012, Arti	cie 006, Article 007 14
								14
		105 Competence						
		Link https://www.iso.	Scope/ Abstact	This document sp	ecifies the require	ements and FL	Ill text Foreword	
		org/obp/ui/en/#iso:s iso-iec:42001:ed-1:v	d:	provides guidance maintaining and c			ISO (the Internationa Standardization) and	I Organization for IEC (the International
		en		intelligence) mana of an organization		within the context		mission) form the specialized
		OPTIONAL INFORMATION		(<u></u>			L. P H	
		Name and Surname	Affiliation a Qualificati	nd UNI CT 533 (men on	iber)	Linkedin https://www.li other originalSubdo	nkedin.com/in/domenico-nata omain=it	le-a9b99812/?
		Observations						
	42005 - : 2024 ISO/IEC DIS	Terms 79 Organization		%	Variant	Complementa	ary AI Act	62
Specification	Al system impact assessment							cle 006, Article 007, Article 043, Article 62
	Article 003-Definitions, Article 002-Scope, Article 004-Al literacy, Article 006-Classification, Article 007-Amendment.	4 AI systems					Article 003, Article 002, Article 004, Arti 014, Article 072, Article 074, Article 071,	Article 013, Article 016, Article 020
Ai Act	literacy, Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse, Article 014-Human oversight, Article 072-Post-market mon, Article 074-Market	325 Impact assessment						62
	surveili, Article 071-EU database fo, Article 013- Transparency an, Article 016-Obligations of, Article 020- Corrective acti (AI systems)							
	Concoure au (Ar systems)							
								•
		Link https://www.iso.	Scope/ Abstact	This document properforming AI sys		or organizationo	ıll text	
		std:44545:en		individuals and so Al system and its				
				applications. It inc				
		OPTIONAL INFORMATION Name and	Affiliation a Qualificati	nd		Linkedin		
		Surname Observations	Qualificati	on		other		

New	STANDARD	Stand		Mapping	Terminology New	Technical Committee 533 Al
	The data presented have a value for researc				NOW	Hosting and developing
		Terms		% Variant Comple	ementary Al Act	
Specification	42006 - : 2024 ISO/IEC DIS Requirements for bodies providing audit and	324 Auditing and certification	1			61
	certification of artificial intelligence management Article 003-Definitions, Article 002-Scope, Article 004-Al	144 Conformity			Article 003, Article 043, Article 016, Artic	le 018 61
Relationship with <mark>Ai Act</mark>	literacy, Article 006-Classification, Article 007-Amendment. to, Article 043-Conformity asse, Article 014-Human	286 Assessment			Article 043	61
	oversight, Article 072-Post-market mon, Article 074-Market surveill, Article 071-EU database fo, Article 013- Transparency an, Article 016-Obligations of, Article 020-	66 Security			Article 015	61
	Corrective acti (Al systems); Article 015-Accuracy, robus (Security); Article 003-Definitions, Article 043-Conformity asse, Article 016-Obligations of, Article 018-Documentation	4 AI systems			Article 003, Article 002, Article 004, Article 014, Article 072, Article 074, Article 071, Artic	le 006, Article 007, Article 043, Article Article 013, Article 016, Article 020
	k (Conformity); Article 043-Conformity asse (Assessment)					
						•
		Link https://www.iso. org/standard/44546.	Scope/ Abstact This document	specifies additional requirements to I-1. The requirements contained in this	Full text	
		html	document, whe demonstration	en implemented, support the of competence, consistency and		
			reliability by the	e bodies performing auditing and		
		OPTIONAL INFORMATION Name and Surname	Affiliation and Qualification	Linkedin other		
		Observations				
	62304 - : 2006 IEC	Terms 49 Lifecycle		% Variant Comple	ementary AI Act Article 015, Article 017, Article 009	53
Specification	Medical device - Software life cycle processes	235 Processes				53
Relationship with Ai Act	Article 015-Accuracy, robus, Article 017-Quality managem, Article 009-Risk management (Lifecycle)	254 Software				53
		Link https://www.iso.	Scope/ Abstact	ard defines the life cycle requirements		
		Link https://www.iso.	for medical dev activities, and t	vice software. The set of processes, asks described in this standard	1) The Electrotechnical Com	e International mission (IEC) is a worldwide
		org/obp/ui/en/#iso:std	for medical dev activities, and t	vice software. The set of processes, tasks described in this standard common framework for medical device	1) The Electrotechnical Com organization for stand	e International
		OPTIONAL INFORMATION Name and	for medical dev activities, and the establishes a c software life cy	vice software. The set of processes, tasks described in this standard common framework for medical device rcle processes.	1) The Electrotechnical Com organization for stand	e International mission (IEC) is a worldwide lardization comprising all ical committees (IEC National
		org/obp/ui/en/#iso:std iec:62304:ed-1:v1:en OPTIONAL INFORMATION	: for medical dev activities, and f establishes a c software life cy	rice software. The set of processes, asks described in this standard common framework for medical device rcle processes.	1) The Electrotechnical Com organization for stand	e International mission (IEC) is a worldwide lardization comprising all ical committees (IEC National

New	STANDARD	Standard Al Act Mappir	New Technical Committee 533 AI
	The data presented have a value for resear 82079 - 1 : 2019 IEC/IEEE IEC Part 1: principles and general requirements Article 010-Data and data g Article 017-Quality managem (Design): Article 018-Documentation K (Article 048-Conformity asse, Article 018-Documentation K (Article 048-Conformity documentation): Article 019-Automatically g (Documentation) Obligations of, Article 019-Automatically g (Documentation)		Complementary Al Act Article 010, Article 010 02 Article 010, Article 010 03 Article 010, Article 010 03 Article 010, Article 010 03 Article 011, Article 040, Artic