



Trustworthiness for AI in Defence (TAID)

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Standards and Regulations Annex

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List of Standards for TAID

TAID White paper adheres to a set of carefully selected standards to ensure consistency, clarity and credibility in its content. These standards have been chosen to align with Defence industry best practices associated with AI Trustworthiness.

Building upon this whitepaper's foundation for Trustworthy AI in Defence, the European Commission has expanded its focus to broader AI standardization.

The Commission issued a standardisation request, tasking CEN and CENELEC with developing European standards by 30 April 2025. These standards aim to ensure AI systems in the EU market are safe, uphold fundamental rights, and encourage innovation.

The CEN-CENELEC Joint Technical Committee (JTC 21) proposed a roadmap for AI standardisation, which was evaluated by the European Commission's Joint Research Centre. The evaluation identified many gaps in existing international standards and suggested additional standards to support the AI Act.

JTC 21 has already adopted some AI Harmonised Standards, and CEN and CENELEC have published a work programme detailing progress on developing additional standards. However, the completion of Harmonised Standards is expected to be delayed until late 2025, potentially leaving companies with less time to implement them before the AI Act's enforcement in August 2026.

Standard ID	Standard Name	Standard Category	Publication Year
STD-001	SAE ARP 4754B	AI Engineering	2023
STD-002	CEN/CLC/TR 17894	AI Conformity Assessment	2023
STD-003	ETSI GR/TR (series)	AI Engineering	-
STD-004	IEC 61508	Systems Functional Security	2010
STD-005	IEEE P2863	AI Management & Risks - Governance & Ethics	Under development
STD-006	IEEE P2894	AI Trustworthiness characteristics - Explainability	Draft D9
STD-007	IEEE P2976	AI Trustworthiness characteristics - Explainability	Pre-draft
STD-008	IEEE P7001	AI Trustworthiness characteristics - Transparency	2021
STD-009	IEEE P7011	Data Governance & Quality	Draft

Standard ID	Standard Name	Standard Category	Publication Year
STD-010	ISO 26262	Systems Functional Security	2018
STD-011	ISO/CD PAS 8800	AI Engineering	Under publication
STD-012	ISO/IEC 22989	AI Terminology & Concepts	2022
STD-013	ISO/IEC 23053	AI Terminology & Concepts	2022
STD-014	ISO/IEC 23894	AI Management & Risks - Risks Management	2023
STD-015	ISO/IEC 25059	AI Trustworthiness characteristics - Operability	2023
STD-016	ISO/IEC 38507	AI Management & Risks - Governance & Ethics	2022
STD-017	ISO/IEC 8183:2023	AI Engineering	2023
STD-018	ISO/IEC AWI 23282	Data Governance & Quality	Under development
STD-019	ISO/IEC AWI TR 42103	Data Governance & Quality	Under development
STD-020	ISO/IEC CD TR 42106	Computational Approaches and Characteristics of AI Systems	Under development
STD-021	ISO/IEC CD TS 17847	AI Engineering	Under development
STD-022	ISO/IEC AWI TS 22440-1	AI Engineering	Under development
STD-023	ISO/IEC AWI TS 22443	AI Management & Risks - Governance & Ethics	Under development
STD-024	ISO/IEC AWI TS 29119-11	Computational Approaches and Characteristics of AI Systems	Under development (new project registered)
STD-025	ISO/IEC CD 42005	AI Conformity Assessment	Under development (close of voting)

Standard ID	Standard Name	Standard Category	Publication Year
STD-026	ISO/IEC CD TR 5469	AI Engineering	Under development
STD-027	ISO/IEC CD TS 6254	AI Trustworthiness characteristics - Explainability	Under development (close of comment period)
STD-028	ISO/IEC DIS 12792	AI Terminology & Concepts	Under development
STD-029	ISO/IEC DIS 42006	AI Conformity Assessment	Under development
STD-030	ISO/IEC DIS 5259-1	Data Governance & Quality	Under development (close of voting)
STD-031	ISO/IEC DIS 5259-2	Data Governance & Quality	Under development (close of voting)
STD-032	ISO/IEC DIS 5259-3	Data Governance & Quality	Under development (close of voting)
STD-033	ISO/IEC DIS 5259-4	Data Governance & Quality	Under development (close of voting)
STD-034	ISO/IEC DIS 5259-5	Data Governance & Quality	Under development (DIS registered)
STD-035	ISO/IEC DTS 8200	AI Trustworthiness characteristics - Operability	2024
STD-036	ISO/IEC FDIS 42001	AI Management & Risks - Governance & Ethics	Published
STD-037	ISO/IEC FDIS 5338	AI Engineering	2023
STD-038	ISO/IEC FDIS 5339	AI Management & Risks - Governance & Ethics	2024

Standard ID	Standard Name	Standard Category	Publication Year
STD-039	ISO/IEC FDIS 5392	Computational Approaches and Characteristics of AI Systems	2024
STD-040	ISO/IEC PWI 42102	AI Terminology & Concepts	Under development
STD-041	ISO/IEC PWI 42105	AI Management & Risks - Governance & Ethics	Under development
STD-042	ISO/IEC PWI 42108	AI Engineering	Proposal for new project
STD-043	ISO/IEC TR 24027	AI Trustworthiness characteristics - Bias	2021
STD-044	ISO/IEC TR 24028	AI Trustworthiness characteristics	2020
STD-045	ISO/IEC TR 24029-1	AI Trustworthiness characteristics - Operability	2021
STD-046	ISO/IEC TR 24029-2	AI Trustworthiness characteristics - Operability	2023
STD-047	ISO/IEC TR 24029-3	AI Trustworthiness characteristics - Operability	Under development
STD-048	ISO/IEC TR 24030	AI Management & Risks - Governance & Ethics	2021
STD-049	ISO/IEC TR 24368	AI Management & Risks - Governance & Ethics	2022
STD-050	ISO/IEC TR 24372	Computational Approaches and Characteristics of AI Systems	2021
STD-051	ISO/IEC TS 12791.2	AI Trustworthiness characteristics - Bias	Under development
STD-052	ISO/IEC TS 25058	AI Conformity Assessment	2024
STD-053	ISO/IEC TS 4213	Computational Approaches and Characteristics of AI Systems	2022

Standard ID	Standard Name	Standard Category	Publication Year
STD-054	ISO/IEC/IEEE 24748-7000	AI Management & Risks - Governance & Ethics	2022
STD-055	EUROCAE/SAE ARP 6983/ED-324	AI Engineering	Under development
STD-056	UNE-EN 50129	Safety electronic systems for signalling	2020

List of Regulations for TAID

TAID White paper addresses a comprehensive set of regulations that are crucial to our subject matter. These regulations have been carefully selected to provide a thorough understanding of the legal and compliance landscape surrounding Trustworthiness for AI in Defence.

Regulation ID	Regulation Name	Regulation Category	Publication Year
R-001	AI 4 Belgium Report	Belgium	2019
R-002	AI for Humanity - French National Strategy for AI	France	2021
R-003	AI National Strategy	Germany	2018
R-004	AI National Strategy: Denmark	Denmark	2019
R-005	AI National Strategy: Sweden	Sweden	2018
R-006	Artificial Intelligence Act (AI Act)	EECC	2024
R-007	Artificial Intelligence. The action plan of CNIL	CNIL	2023
R-008	Brazilian National Standards Organization	Brazil	-
R-009	British Standardisation Institution	UK	-
R-010	Canadian Standards Organization	Canada	-
R-011	EASA Artificial Intelligence Roadmap 2.0	EASA	2023
R-012	EASA Concept Paper V2	EASA	2023
R-013	EDA workgroup on Trustworthiness and	EDA	2023

Regulation ID	Regulation Name	Regulation Category	Publication Year
	Standardisation of AI in Defence		
R-014	Federal Aviation Administration	USA	-
R-015	General Data Protection Regulation (GDPR)	EECC	2018
R-016	Harnessing Artificial Intelligence for the Earth	WEF	2018
R-017	HLEG	EECC	2019
R-018	Japanese Standards Association	Japan	
R-019	JRC AI Watch	EECC	2020
R-020	National Institute of Standards and Technology	USA	-
R-021	OECD Framework for the Classification of AI Systems	OECD	2022
R-022	OECD.AI Policy Observatory	OECD	
R-023	Preliminary study on the Ethics of Artificial Intelligence	UNESCO	2019
R-024	Report of the Steering Group of the AI Programme	Finland	2017
R-025	Seizing the opportunities of safe, secure and trustworthy artificial intelligence	UN	2024

Regulation ID	Regulation Name	Regulation Category	Publication Year
	systems for sustainable development		
R-026	Spanish RDI Strategy in Artificial Intelligence	Spain	2019
R-027	Standards Australia	Australia	-

List of Abbreviations

Abbreviation	Definition
AI	Artificial Intelligence
ARP	Aerospace Recommended Practice
AI RMF	AI Risk Management Framework
AWI	(ISO/IEC) Approved Work Item
CD	(ISO/IEC) Committee Draft
CEN	European Committee for Standardization
CENELEC	European Committee for Electrotechnical Standardization
CLC	Short for CENELEC
DIS	ISO/IEC Draft International Standard
DTS	(ISO/IEC) Draft Technical Specification
EECC	European Commission
EDA	European Defence Agency
ETSI	European Telecommunications Standards Institute
FDIS	(ISO/IEC) Final Draft International Standard
GR	(ETSI) Group Report
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers
ISO	International Organization for Standardization
OECD	Organisation for Economic Co-operation and Development
PAS	(ISO/IEC) Publicly Available Specification
PWI	(ISO/IEC) Preliminary Work Item
NIST	National Institute of Standards and Technology
SAE	Society of Automotive Engineers
TAID	Trustworthiness for AI in Defence
TR	(ISO/IEC/ETSI) Technical Report
TS	(ISO/IEC) Technical Specification