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Information technology - Artificial intelligence (AI) - Transparency taxonomy of AI systems (ISO/IEC 12792:2025)

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This standard includes the English version of the European Standard.

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(IA) - Taxonomie pour la transparence des systèmes
d'IA (ISO/IEC 12792:2025)

Informationstechnologie - Künstliche Intelligenz -
Transparenz-Taxonomie von KI-Systemen (ISO/IEC
12792:2025)

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EN ISO/IEC 12792:2025 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO/IEC 12792:2025) has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" in collaboration with Technical Committee CEN-CENELEC/ JTC 21 "Artificial Intelligence" the secretariat of which is held by DS.

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International Standard

ISO/IEC 12792

Information technology — Artificial intelligence (AI) — Transparency taxonomy of AI systems

*Technologies de l'information — Intelligence artificielle (IA) —
Taxonomie pour la transparence des systèmes d'IA*

**First edition
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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
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ISO/IEC 12792:2025(en)**Contents**

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and abbreviated terms	4
5 Overview	4
5.1 General	4
5.2 Organization and usage of the taxonomy	4
5.3 Constraints on transparency disclosures	5
5.4 Concept of transparency	6
6 Stakeholders' needs and transparency objectives	7
6.1 General	7
6.2 Transparency objectives and goals	8
6.3 Selected stakeholder roles in transparency	9
7 Context-level taxonomy	11
7.1 General	11
7.2 Societal context	11
7.2.1 General	11
7.2.2 Labour practices	14
7.2.3 Consumer needs	15
7.3 Environmental context	16
7.3.1 General	16
7.3.2 Particular environmental disclosures	17
7.3.3 Organizational disclosures	18
8 System-level taxonomy	19
8.1 General	19
8.2 Basic information	19
8.3 Organizational processes	20
8.3.1 General	20
8.3.2 Governance	20
8.3.3 Management system	21
8.3.4 Risk management	21
8.3.5 Quality management	21
8.4 Applicability	21
8.4.1 General	21
8.4.2 Intended purposes	22
8.4.3 Capabilities	22
8.4.4 Functional limitations	22
8.4.5 Recommended uses	22
8.4.6 Precluded uses	22
8.5 Overview of technical characteristics	22
8.5.1 General	22
8.5.2 Expected inputs and outputs	23
8.5.3 Production data	23
8.5.4 Logging and storing	23
8.5.5 System decomposition	23
8.5.6 Application programming interface	24
8.5.7 Human factors	24
8.5.8 Deployment methods	24
8.5.9 Configuration management	24
8.6 Access to internal elements	25

ISO/IEC 12792:2025(en)

8.7	Quality and performance	26
8.7.1	General	26
8.7.2	Verification and validation processes	26
8.7.3	Runtime measurements	26
8.7.4	Comparison with alternative systems	27
9	Model-level taxonomy	27
9.1	General	27
9.2	Basic information	27
9.3	Usage and model interplay	28
9.3.1	Processing performed by the model	28
9.3.2	Dependence on other models	28
9.3.3	Coherence with AI system's intended purposes	28
9.4	Technical characteristics	28
9.4.1	Type of technology used	28
9.4.2	Features extracted from input data	28
9.4.3	Algorithm used for processing	28
9.4.4	Procedure for building the model	28
9.4.5	Hyperparameters	29
9.4.6	Input and output formats	30
9.4.7	Compute hardware	30
9.4.8	Computational costs	31
9.4.9	Models in evolvable systems	31
9.5	Data used	31
9.6	Functional correctness	32
10	Dataset-level taxonomy	32
10.1	General	32
10.2	Basic information	33
10.3	Data provenance	33
10.4	Data properties	35
10.5	Dataset domain and purposes	36
10.5.1	General	36
10.5.2	Language data domain details	36
10.5.3	Vision data domain details	37
10.6	Data biases and limitations	37
10.7	Societal considerations	37
10.8	Data preparation performed	38
10.9	Dataset maintenance	39
	Annex A (informative) Examples of transparency templates	40
	Annex B (informative) Examples of stakeholder roles in transparency	41
	Bibliography	43

ISO/IEC 12792:2025(en)**Foreword**

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 42, *Artificial intelligence*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/CLC/JTC 21, *Artificial Intelligence*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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ISO/IEC 12792:2025(en)

Introduction

The objectives of this document include:

- improving trustworthiness, accountability and communication among different AI stakeholders, including partners in a supply chain, customers, users, society and regulators, by establishing a consistent terminology around transparency of AI systems;
- providing AI stakeholders with information about different elements of transparency with their relevance and possible limitations to different use cases and target audience;
- serving as a basis for developing technology-specific, industry-specific or region-specific standards for transparency of AI systems.

Transparency for AI systems is the property of a system that stakeholders receive relevant information about the system. This can include information on items such as system features, limitations, data, system design and design choices (see ISO/IEC 22989:2022, 5.15.8).

Transparency enables relevant stakeholders to have access to information, so they can better understand how an AI system is developed, deployed and can be used. For example, this allows an AI customer (such as an AI user) of an AI system to determine if it is appropriate for their situation and supports an AI auditor in assessing if the system complies with conformity requirements.

A standardized transparency taxonomy of AI systems helps people with different backgrounds to better understand each other by using the same terminology. This in turn supports an improved understanding of AI systems, and provides a foundation for developing interoperable and coherent transparency related standards.

This document is structured as follows:

- [Clause 5](#) provides an overview of this document and describes the concept of transparency of AI systems;
- [Clause 6](#) discusses how transparency needs can vary depending on the AI system context and on the stakeholders involved;
- [Clause 7](#) discusses transparency items that describe the context of the AI system;
- [Clause 8](#) pertains to describing transparency disclosures at the AI system level;
- [Clause 9](#) focuses on documenting the internal functioning of the system;
- [Clause 10](#) offers guidance on the documentation of datasets as stand-alone items.

AI systems often affect society and the environment (see [Clause 7](#)). However, it is also true that society and the environment can affect the performance of an AI system. This can include various aspects, such as:

- environmental conditions that affect the functioning and longevity of an AI system;
- introduction or reinforcement of unwanted bias;
- organizational practices that can cause poor outcomes;
- effects such as concept drift (concept drift occurs when there is a change in the functional relationship between the model's input and output) and data drift (data drift is change in the statistical properties and characteristics of the input data);
- formation of unwanted feedback loops (e.g. negative reinforcement of discriminatory patterns), which can be especially problematic in the case of continuous learning.

While these are important items for consideration, a detailed analysis is not provided in this document. Some of these aspects are further detailed in ISO/IEC 23894, ISO/IEC 27701, and ISO/IEC 29134.

Information technology — Artificial intelligence (AI) — Transparency taxonomy of AI systems

1 Scope

This document specifies a taxonomy of information elements to assist AI stakeholders with identifying and addressing the needs for transparency of AI systems. The document describes the semantics of the information elements and their relevance to the various objectives of different stakeholders.

This document is applicable to any kind of organization and application involving an AI system.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 22989:2022, *Information technology — Artificial intelligence — Artificial intelligence concepts and terminology*

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