



BSI Standards Publication

Artificial Intelligence — Artificial Intelligence Conformity Assessment

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National foreword

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TECHNISCHER REPORT

December 2024

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English version

Artificial Intelligence - Artificial Intelligence Conformity Assessment

Intelligence Artificielle - Évaluation de la conformité
liée à l'Intelligence Artificielle

Künstliche Intelligenz - Konformitätsbewertung von
Künstlicher Intelligenz

This Technical Report was approved by CEN on 25 November 2024. It has been drawn up by the Technical Committee CEN/CLC/JTC 21.

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European foreword

This document (CEN/CLC/TR 17894:2024) has been prepared by Technical Committee CEN/CENELEC JTC 21 “Artificial Intelligence”, the secretariat of which is held by Danish Standards (DS).

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1 Scope

This document sets out a review of the current methods and practices (including tools, assets, and conditions of acceptability) for conformity assessment as relevant for the development and use of AI systems. Among others, it addresses the conformity assessment for products, services, processes, management systems and organizations. It includes an industry horizontal (vertical agnostic) perspective and an industry vertical perspective.

This document focuses only on the process and gap analysis of conformity assessments. It defines the **objects of conformity** related to AI systems and all other aspects of the conformity assessment process. The document also reviews to what extent AI poses specific challenges with respect to assessment of, for example, software engineering, data quality and engineering processes.

This document takes into account requirements and orientations from policy frameworks such as the EU AI strategy and those from CEN and CENELEC member countries.

This document is intended for technologists, standards bodies, regulators and interest groups.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

conformity assessment

demonstration that *specified requirements* (3.2) relating to a product, process, system, person or body are fulfilled

Note 1 to entry: The process of conformity assessment as described in the functional approach in Annex A can have a negative outcome, i.e. demonstrating that the specified requirements are not fulfilled.

Note 2 to entry: Conformity assessment includes activities defined elsewhere in this document, such as but not limited to [testing \(6.2\)](#), [inspection \(6.3\)](#), [validation \(6.5\)](#), [verification \(6.6\)](#), [certification \(7.6\)](#), and [accreditation \(7.7\)](#).

Note 3 to entry: Conformity assessment is explained in Annex A as a series of functions. Activities contributing to any of these functions can be described as conformity assessment activities.

[SOURCE: EN ISO/IEC 17000:2020]

3.2

specified requirement

need or expectation that is stated

Note 1 to entry: Specified requirements can be stated in normative documents such as regulations, standards and technical specifications.

Note 2 to entry: Specified requirements can be detailed or general.