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Information technology - Artificial intelligence - Guidance on risk management (ISO/IEC 23894:2023)

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This standard includes the English version of the European Standard.

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## Information technology - Artificial intelligence - Guidance on risk management (ISO/IEC 23894:2023)

Technologies de l'information - Intelligence artificielle  
- Recommandations relatives au management du  
risque (ISO/IEC 23894:2023)

Informationstechnik - Künstliche Intelligenz -  
Leitlinien für Risikomanagement (ISO/IEC  
23894:2023)

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**EN ISO/IEC 23894:2024 (E)**

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## **European foreword**

The text of ISO/IEC 23894:2023 has been prepared by Technical Committee ISO/IEC JTC 1 "Information technology" of the International Organization for Standardization (ISO) and has been taken over as EN ISO/IEC 23894:2024 by Technical Committee CEN-CENELEC/ JTC 21 "Artificial Intelligence" the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2024, and conflicting national standards shall be withdrawn at the latest by August 2024.

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## Information technology — Artificial intelligence — Guidance on risk management

*Technologies de l'information — Intelligence artificielle —  
Recommandations relatives au management du risque*



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## ISO/IEC 23894:2023(E)

### Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives) or [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html). In the IEC, see [www.iec.ch/understanding-standards](http://www.iec.ch/understanding-standards).

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 42, *Artificial intelligence*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html) and [www.iec.ch/national-committees](http://www.iec.ch/national-committees).



## Introduction

The purpose of risk management is the creation and protection of value. It improves performance, encourages innovation and supports the achievement of objectives.

This document is intended to be used in connection with ISO 31000:2018. Whenever this document extends the guidance given in ISO 31000:2018, an appropriate reference to the clauses of ISO 31000:2018 is made followed by AI-specific guidance, if applicable. To make the relationship between this document and ISO 31000:2018 more explicit, the clause structure of ISO 31000:2018 is mirrored in this document and amended by sub-clauses if needed.

This document is divided into three main parts:

[Clause 4](#): Principles – This clause describes the underlying principles of risk management. The use of AI requires specific considerations with regard to some of these principles as described in ISO 31000:2018, Clause 4.

[Clause 5](#): Framework – The purpose of the risk management framework is to assist the organization in integrating risk management into significant activities and functions. Aspects specific to the development, provisioning or offering, or use of AI systems are described in ISO 31000:2018, Clause 5.

[Clause 6](#): Processes – Risk management processes involve the systematic application of policies, procedures and practices to the activities of communicating and consulting, establishing the context, and assessing, treating, monitoring, reviewing, recording and reporting risk. A specialization of such processes to AI is described in ISO 31000:2018, Clause 6.

Common AI-related objectives and risk sources are provided in [Annex A](#) and [Annex B](#). [Annex C](#) provides an example mapping between the risk management processes and an AI system life cycle.

# Information technology — Artificial intelligence — Guidance on risk management

## 1 Scope

This document provides guidance on how organizations that develop, produce, deploy or use products, systems and services that utilize artificial intelligence (AI) can manage risk specifically related to AI. The guidance also aims to assist organizations to integrate risk management into their AI-related activities and functions. It moreover describes processes for the effective implementation and integration of AI risk management.

The application of this guidance can be customized to any organization and its context.

## 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 31000:2018, *Risk management — Guidelines*

ISO Guide 73:2009, *Risk management — Vocabulary*

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**