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Informationsteknologi – Sikkerhedsteknikker – Arkitektur for identitetsadministration – Del 2: Referencearkitektur og krav

Information technology – Security techniques – A framework
for identity management – Part 2: Reference architecture and
requirements (ISO/IEC 24760-2:2015)

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Information technology - Security techniques - A framework for identity management - Part 2: Reference architecture and requirements (ISO/IEC 24760-2:2015)

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de sécurité - Cadre pour la gestion de
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et exigences (ISO/IEC 24760-2:2015)

Informationstechnik - Sicherheitsverfahren -
Rahmenwerk für Identitätsmanagement -
Teil 2: Referenzarchitektur und
Anforderungen (ISO/IEC 24760-2:2015)

This European Standard was approved by CEN on 5 September 2022.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN and CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

The text of [ISO/IEC 24760-2:2015](#) 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 24760-2:2022](#) by Technical Committee CEN-CENELEC/ JTC 13 "Cybersecurity and Data Protection" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2023, and conflicting national standards shall be withdrawn at the latest by March 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN-CENELEC shall not be held responsible for identifying any or all such patent rights.

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Information technology — Security techniques — A framework for identity management —

Part 2: Reference architecture and requirements

Technologies de l'information — Techniques de sécurité — Cadre pour la gestion de l'identité —

Partie 2: Architecture de référence et exigences

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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. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword — Supplementary information](#).

The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, Subcommittee, SC 27, *Security techniques*.

[ISO/IEC 24760](#) consists of the following parts, under the general title *Information technology — Security techniques — A framework for identity management*:

- *Part 1: Terminology and concepts*
- *Part 2: Reference architecture and requirements*

The following part is under preparation:

- *Part 3: Practice*

Further parts may follow.

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Introduction

Data processing systems commonly gather a range of information on its users be it a person, piece of equipment, or piece of software connected to it and make decisions based on the gathered information. Such identity-based decisions may concern access to applications or other resources.

To address the need to efficiently and effectively implement systems that make identity-based decisions, this part of [ISO/IEC 24760](#) specifies a framework for the issuance, administration, and use of data that serves to characterize individuals, organizations, or information technology components, which operate on behalf of individuals or organizations.

For many organizations, the proper management of identity information is crucial to maintain security of the organizational processes. For individuals, correct identity management is important to protect privacy.

[ISO/IEC 24760](#) specifies fundamental concepts and operational structures of identity management with the purpose to realize information system management so that information systems can meet business, contractual, regulatory, and legal obligations.

This part of [ISO/IEC 24760](#) defines a reference architecture for an identity management system that includes key architectural elements and their interrelationships. These architectural elements are described in respect to identity management deployments models. This part of [ISO/IEC 24760](#) specifies requirements for the design and implementation of an identity management system so that it can meet the objectives of stakeholders involved in the deployment and operation of that system.

This part of [ISO/IEC 24760](#) is intended to provide a foundation for the implementation of other International Standards related to identity information processing such as

- [ISO/IEC 29100](#), *Information technology – Security techniques – Privacy framework*,
- [ISO/IEC 29101](#), *Information technology – Security techniques – Privacy reference architecture*,
- [ISO/IEC 29115](#), *Information technology – Security techniques – Entity authentication assurance framework*, and
- [ISO/IEC 29146](#), *Information technology – Security techniques – A framework for access management*.

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Information technology — Security techniques — A framework for identity management —

Part 2: Reference architecture and requirements

1 Scope

This part of [ISO/IEC 24760](#)

- provides guidelines for the implementation of systems for the management of identity information, and
- specifies requirements for the implementation and operation of a framework for identity management.

This part of [ISO/IEC 24760](#) is applicable to any information system where information relating to identity is processed or stored.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

[ISO/IEC 24760-1](#), *Information technology — Security techniques — A framework for identity management — Part 1: Terminology and concepts*

[ISO/IEC 29115](#), *Information technology — Security techniques — Entity authentication assurance framework*