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Security for industrial automation and control systems - Part 1-5: Scheme for IEC 62443 security profiles

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/24

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English Version

**Security for industrial automation and control systems - Part 1-5:
Scheme for IEC 62443 security profiles
(IEC/TS 62443-1-5:2023)**

Sécurité des automatismes industriels et des systèmes de
commande - Partie 1-5: Schéma pour les profils de sécurité
IEC 62443
(IEC/TS 62443-1-5:2023)

IT-Sicherheit für industrielle Automatisierungssysteme - Teil
1-5: Schema für IEC 62443 IT-Sicherheitsprofile
(IEC/TS 62443-1-5:2023)

This Technical Specification was approved by CENELEC on 2024-06-10.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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CLC IEC/TS 62443-1-5:2024 (E)

European foreword

This document (CLC IEC/TS 62443-1-5:2024) consists of the text of IEC/TS 62443-1-5:2023 prepared by IEC/TC 65 "Industrial-process measurement, control and automation".

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

| | | |
|------------------------|------|--|
| IEC 62443-2-4:2015 | NOTE | Approved as EN IEC 62443-2-4:2019 (not modified) |
| IEC 62443-3-2:2020 | NOTE | Approved as EN IEC 62443-3-2:2020 (not modified) |
| IEC 62443-3-3:2013 | NOTE | Approved as EN IEC 62443-3-3:2019 (not modified) |
| IEC 62443-4-1:2018 | NOTE | Approved as EN IEC 62443-4-1:2018 (not modified) |
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TECHNICAL SPECIFICATION

**Security for industrial automation and control systems –
Part 1-5: Scheme for IEC 62443 security profiles**



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IEC TS 62443-1-5

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TECHNICAL SPECIFICATION

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Part 1-5: Scheme for IEC 62443 security profiles**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**SECURITY FOR INDUSTRIAL AUTOMATION
AND CONTROL SYSTEMS –**
Part 1-5: Scheme for IEC 62443 security profiles

FOREWORD

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IEC TS 62443-1-5 has been prepared by IEC technical committee 65: Industrial-process measurement, control and automation. It is a Technical Specification.

The text of this Technical Specification is based on the following documents:

| | |
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| Draft | Report on voting |
| 65/947/DTS | 65/1009/RVDTS |

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Specification is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 62443 series, published under the general title *Security for industrial automation and control systems*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This document specifies a scheme for defining security profiles for the IEC 62443 series.

The scheme is applicable to IEC 62443 security profiles intended to be published as part of the upcoming IEC 62443 dedicated security profiles sub-series). The document can also be used for the definition of security profiles outside of the IEC 62443 series.

IEC 62443 security profiles can be used by interested parties (e.g., organizations, interested groups/ sectors) to contextually map a defined set of requirements specified in the IEC 62443 series. Examples for the necessity of security profiles include the industry sector specific (area of application) contextual mapping of IEC 62443 terminology and requirements.

NOTE The ISO/IEC 15408 series also uses a concept of profiles (called "Protection Profiles"), but those profiles are based on a different scheme, specific to ISO/IEC 15408.

SECURITY FOR INDUSTRIAL AUTOMATION AND CONTROL SYSTEMS –

Part 1-5: Scheme for IEC 62443 security profiles

1 Scope

This part of IEC 62443 specifies a scheme for defining (selecting, writing, drafting, creating) IEC 62443 security profiles.

This scheme and its specified requirements apply to IEC 62443 security profiles which are planned to be published as part of the upcoming IEC 62443 dedicated security profiles sub-series.

IEC 62443 security profiles can support interested parties (e.g. during conformity assessment activities) to achieve comparability of assessed IEC 62443 requirements.

2 Normative references

There are no normative references in this document.

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