

SLOVENSKI STANDARD SIST EN IEC 62443-3-2:2020

01-december-2020

Zaščita sistemov industrijske avtomatizacije in nadzora - 3-2. del: Ocena varnostnega tveganja in načrtovanje sistema (IEC 62443-3-2:2020)

Security for industrial automation and control systems - Part 3-2: Security risk assessment and system design (IEC 62443-3-2:2020)

IT-Sicherheit für industrielle Automatisierungssysteme - Teil 3-2: Sicherheitsrisikobeurteilung und Systemgestaltung (IEC 62443-3-2:2020)

Sécurité des systèmes d'automatisation et de commande industriels - Partie 3-2: Évaluation des risques de sécurité pour la conception des systèmes (IEC 62443-3-2:2020)

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Ta slovenski standard je istoveten z: EN IEC 62443-3-2:2020

ICS:

25.040.01 Sistemi za avtomatizacijo v Industrial automation

industriji na splošno systems in general

35.030 Informacijska varnost IT Security

SIST EN IEC 62443-3-2:2020 en,fr,de

SIST EN IEC 62443-3-2:2020

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SIST EN IEC 62443-3-2:2020

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN IEC 62443-3-2

August 2020

ICS 25.040.40; 35.030

English Version

Security for industrial automation and control systems - Part 3-2: Security risk assessment for system design (IEC 62443-3-2:2020)

Sécurité des systèmes d'automatisation et de commande industriels - Partie 3-2: Évaluation des risques de sécurité pour la conception des systèmes (IEC 62443-3-2:2020)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 62443-3-2:2020 (E)

European foreword

The text of document 65/799/FDIS, future edition 1 of IEC 62443-3-2, prepared by IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62443-3-2:2020.

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

IEC 62443-2-1	NOTE	Harmonized as EN IEC 62443-2-11
IEC 62443-2-4:2015	NOTE	Harmonized as EN IEC 62443-2-4:2019 (not modified)
IEC 62443-4-1:2018	NOTE	Harmonized as EN IEC 62443-4-1:2018 (not modified)
IEC 62443-4-2:2019	NOTE	Harmonized as EN IEC 62443-4-2:2019 (not modified)
IEC 61511-2:2016	NOTE	Harmonized as EN 61511-2:2017 (not modified)
IEC 62264-1:2013	NOTE	Harmonized as EN 62264-1:2013 (not modified)

¹ To be published. Stage at the time of publication: prEN IEC 62443-2-1:2019.

EN IEC 62443-3-2:2020 (E)

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u> <u>Year</u> <u>Title</u> <u>EN/HD</u> <u>Year</u>

IEC 62443-3-3 2013 Industrial communication networks - Network EN IEC 62443-3-3 2019

and system security - Part 3-3: System security requirements and security levels

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IEC 62443-3-2

Edition 1.0 2020-06

INTERNATIONAL STANDARD



Security for industrial automation and control systems E.W. Part 3-2: Security risk assessment for system design

SIST EN IEC 62443-3-2:2020 https://standards.iteh.ai/catalog/standards/sist/35787fed-1474-4bf5-b8c7-24d7c21915cd/sist-en-iec-62443-3-2-2020

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ICS 25.040.40; 35.030 ISBN 978-2-8322-8501-5

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SECURITY FOR INDUSTRIAL AUTOMATION AND CONTROL SYSTEMS -

Part 3-2: Security risk assessment for system design

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International Standard IEC 62443-3-2 has been prepared by IEC technical committee 65: Industrial-process measurement, control and automation.

The text of this standard is based on the following documents:

FDIS	Report on voting
65/799/FDIS	65/804/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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.

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INTRODUCTION

There is no simple recipe for how to secure an industrial automation and control system (IACS) and there is good reason for this. It is because security is a matter of risk management. Every IACS presents a different risk to the organization depending upon the threats it is exposed to, the likelihood of those threats arising, the inherent vulnerabilities in the system and the consequences if the system were to be compromised. Furthermore, every organization that owns and operates an IACS has a different tolerance for risk.

This document strives to define a set of engineering measures that will guide an organization through the process of assessing the risk of a particular IACS and identifying and applying security countermeasures to reduce that risk to tolerable levels.

A key concept in this document is the application of IACS security zones and conduits. Zones and conduits are introduced in IEC TS 62443-1-1.

This document has been developed in cooperation with the ISA99 liaison. ISA99 is the committee on Industrial Automation and Control Systems Security of the International Society of Automation (ISA).

The audience for this document is intended to include the asset owner, system integrator, product supplier, service provider, and compliance authority.

This document provides a basis for specifying security countermeasures by aligning the target security levels (SL-Ts) identified in this document with the required capability security levels (SL-Cs) specified in IEC 62443-3-3 and ards.iteh.ai)

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