Zaščita industrijske avtomatizacije in nadzornih sistemov - 2-4. del: Zahteve za program zaščite za ponudnike storitev IACS - Dopolnilo A1 (IEC 62443-2-4:2015/A1:2017)

Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers (IEC 62443-2-4:2015/A1:2017)

IT-Sicherheit für industrielle Automatisierungssysteme - Teil 2-4: Anforderungen an das IT-Sicherheitsprogramm von Dienstleistern für industrielle Automatisierungssysteme (IEC 62443-2-4:2015/A1:2017)

Sécurité des automatismes industriels et des systèmes de commande - Partie 2-4: Exigences de programme de sécurité pour les fournisseurs de service IACS (IEC 62443-2-4:2015/A1:2017)

Ta slovenski standard je istoveten z: **EN IEC 62443-2-4:2019/A1:2019**

ICS:

25.040.01	Sistemi za avtomatizacijo v industriji na splošno	Industrial automation systems in general
35.030	Informacijska varnost	IT Security

SIST EN IEC 62443-2-4:2019/A1:2019 en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62443-2-4:2019/A1

April 2019

ICS 35.110; 25.040.40

English Version

Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers (IEC 62443-2-4:2015/A1:2017)

Sécurité des automatismes industriels et des systèmes de commande - Partie 2-4: Exigences de programme de sécurité pour les fournisseurs de service IACS (IEC 62443-2-4:2015/A1:2017)

IT-Sicherheit für industrielle Automatisierungssysteme - Teil 2-4: Anforderungen an das IT-Sicherheitsprogramm von Dienstleistern für industrielle Automatisierungssysteme (IEC 62443-2-4:2015/A1:2017)

This amendment A1 modifies the European Standard EN IEC 62443-2-4:2019; it was approved by CENELEC on 2019-04-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

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

Ref. No. EN IEC 62443-2-4:2019/A1:2019 E

EN IEC 62443-2-4:2019/A1:2019 (E)

European foreword

This document (EN IEC 62443-2-4:2019/A1:2019) consists of the text of IEC 62443-2-4:2015/A1:2017 prepared by IEC/TC 65 "Industrial-process measurement, control and automation".

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-04-03

- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-04-03

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

iTeh STANDARD PREVIEW
Endorsement notice
(standards.iteh.ai)

The text of the International Standard IEC 62443-2-4:2015/A1:2017 was approved by CENELEC as a European Standard without any modification.

SLOVENSKI STANDARD
SIST EN IEC 62443-2-4:2019/A1:2019

01-november-2019

Zaščita industrijske avtomatizacije in nadzornih sistemov - 2-4. del: Zahteve za program zaščite za ponudnike storitev IACS - Dopolnilo A1 (IEC 62443-2-4:2015/A1:2017)

Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers (IEC 62443-2-4:2015/A1:2017)

IT-Sicherheit für industrielle Automatisierungssysteme - Teil 2-4: Anforderungen an das IT-Sicherheitsprogramm von Dienstleistern für industrielle Automatisierungssysteme (IEC 62443-2-4:2015/A1:2017)

Sécurité des automatismes industriels et des systèmes de commande - Partie 2-4: Exigences de programme de sécurité pour les fournisseurs de service IACS (IEC 62443-2-4:2015/A1:2017)

Ta slovenski standard je istoveten z: **EN IEC 62443-2-4:2019/A1:2019**

ICS:

25.040.01	Sistemi za avtomatizacijo v industriji na splošno	Industrial automation systems in general
35.030	Informacijska varnost	IT Security

SIST EN IEC 62443-2-4:2019/A1:2019   en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62443-2-4:2019/A1

April 2019

ICS 35.110; 25.040.40

English Version

Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers (IEC 62443-2-4:2015/A1:2017)

Sécurité des automatismes industriels et des systèmes de commande - Partie 2-4: Exigences de programme de sécurité pour les fournisseurs de service IACS (IEC 62443-2-4:2015/A1:2017)

IT-Sicherheit für industrielle Automatisierungssysteme - Teil 2-4: Anforderungen an das IT-Sicherheitsprogramm von Dienstleistern für industrielle Automatisierungssysteme (IEC 62443-2-4:2015/A1:2017)

This amendment A1 modifies the European Standard EN IEC 62443-2-4:2019; it was approved by CENELEC on 2019-04-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

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

Ref. No. EN IEC 62443-2-4:2019/A1:2019 E

EN IEC 62443-2-4:2019/A1:2019 (E)

European foreword

This document (EN IEC 62443-2-4:2019/A1:2019) consists of the text of IEC 62443-2-4:2015/A1:2017 prepared by IEC/TC 65 "Industrial-process measurement, control and automation".

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2020-04-03
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2022-04-03

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

iTeh STANDARD PREVIEW
Endorsement notice
(standards.iteh.ai)

The text of the International Standard IEC 62443-2-4:2015/A1:2017 was approved by CENELEC as a European Standard without any modification.

IEC 62443-2-4

Edition 1.0   2017-08

INTERNATIONAL
STANDARD

colour
inside

AMENDMENT 1

Security for industrial automation and control systems –
Part 2-4: Security program requirements for IACS service providers

iTeh STANDARD PREVIEW
(standards.iteh.ai)

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 25.040.40; 35.110

ISBN 978-2-8322-4366-4

Warning! Make sure that you obtained this publication from an authorized distributor.

FOREWORD

This amendment has been prepared by IEC technical committee 65: Industrial-process measurement, control and automation.

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

CDV	Report on voting
65/637A/CDV	65/661/RVC

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

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

1 Scope

Replace the first paragraph by the following new text:

This part of IEC 62443 specifies a comprehensive set of requirements for security capabilities for IACS service providers that they can offer to the asset owner during integration and maintenance activities of an Automation Solution. Because not all requirements apply to all industry groups and organizations, Subclause 4.1.4 provides for the development of Profiles that allow for the subsetting of these requirements. Profiles are used to adapt this document to specific environments, including environments not based on an IACS.

Delete Note 4 and renumber Note 5 to "Note 4".

**3.1.14
safety instrumented system**

Add the following Note 2 to entry:

Note 2 to entry: Not all industry sectors use this term. This term is not restricted to any specific industry sector, and it is used generically to refer to systems that enforce functional safety. Other equivalent terms include safety systems and safety related systems.

4.1.4   Profiles

Replace the existing text with the following:

This document recognizes that not all of the requirements in Annex A apply to all industry sectors/environments. To allow subsetting and adaptation of these requirements, this document provides for the use of "Profiles".

Profiles are written as IEC Technical Reports (TRs) by industry groups/sectors or other organizations, including asset owners and service providers, to select/adapt Annex A requirements that are most appropriate to their specific needs.

Each TR may define one or more profiles, and each profile identifies a subset of the requirements defined in Annex A and specifies, where necessary, how specific requirements are to be applied in the environment where they are to be used.

It is anticipated that asset owners will select these profiles to specify the requirements that apply to their Automation Solutions.

4.2   Maturity model

Table 1 – Maturity levels

Replace, in the fourth column, row for Level 2, the second paragraph that begins with "At this level, the service provider has…" *by the following:*

At this level, the service provider has the capability to manage the delivery and performance of the service according to written policies (including objectives). The service provider also has evidence to show that personnel who will perform the service have the expertise, are trained, and/or are capable of following written procedures to perform the service.

5.1   Contents

Insert the following new paragraph between the first paragraph and the note:

Not all requirements apply to all service providers, and asset owners may request service providers to perform only a subset of the required capabilities specified in Annex A. In addition, industry sectors, service providers, and asset owners may define their own profiles that contain a subset of these requirements (see 4.1.4).

5.3   IEC 62264-1 hierarchy model

Replace the first paragraph with the following:

Many of the requirements in Annex A refer to network or application levels in phrases such as "a wireless handheld device is used in Level 2". When capitalized, "Level" in this context refers to the position in the IEC 62264-1 Hierarchy Model. The Level of a referenced object (e.g. wireless handheld device) is represented by the lowest Level function that it executes. The zones and conduits model described by IEC 62443-3-2 is referenced by requirements in Annex A that address, independent of the IEC 62264-1 Hierarchy Model Level, trust boundaries that subdivide the Automation Solution into partitions referred to as "zones" by IEC 62443-3-2.

5.5.3   Functional area column

Replace the first paragraph with the following:

This column provides the top level technical organization of the requirements. Table 3 provides a list of the functional areas. The functional areas in this column can be used to provide a high level summary of the areas in which service providers claim conformance. However, because the "Architecture" functional area is so broad, its use as a summary level is