

<b>STN</b>	<b>Informačná bezpečnosť priemyselných automatizačných a riadiacich systémov Časť 2-4: Požiadavky na bezpečnostné programy pre poskytovateľov služieb IACS</b>	<b>STN EN IEC 62443-2-4</b>
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Security for industrial automation and control systems - Part 2-4: Security program requirements for IACS service providers

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

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**EN IEC 62443-2-4**

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English Version

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

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)

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

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**EN IEC 62443-2-4:2019 (E)****European foreword**

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

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IEC 62264-1:2013	NOTE	Harmonized as EN 62264-1:2013 (not modified)
IEC 62443-3-3:2013	NOTE	Harmonized as EN IEC 62443-3-3:2019 (not modified)
IEC 62443-4-1	NOTE	Harmonized as EN IEC 62443-4-1
IEC 62443-4-2	NOTE	Harmonized as EN IEC 62443-4-2



IEC 62443-2-4

Edition 1.0 2015-06

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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

**Sécurité des automatismes industriels et des systèmes de commande –  
Partie 2-4: Exigences de programme de sécurité pour les fournisseurs de  
service IACS**



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IEC Central Office  
 3, rue de Varembe  
 CH-1211 Geneva 20  
 Switzerland

Tel.: +41 22 919 02 11  
 Fax: +41 22 919 03 00  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	7
3 Terms, definitions, abbreviated terms and acronyms .....	7
3.1 Terms and definitions .....	7
3.2 Abbreviations .....	10
4 Concepts.....	11
4.1 Use of IEC 62443-2-4.....	11
4.1.1 Use of IEC 62443-2-4 by IACS service providers .....	11
4.1.2 Use of IEC 62443-2-4 by IACS asset owners .....	12
4.1.3 Use of IEC 62443-2-4 during negotiations between IACS asset owners and IACS service providers .....	12
4.1.4 Profiles .....	12
4.1.5 IACS integration service providers.....	13
4.1.6 IACS maintenance service providers .....	13
4.2 Maturity model .....	14
5 Requirements overview.....	15
5.1 Contents .....	15
5.2 Sorting and filtering .....	15
5.3 IEC 62264-1 hierarchy model .....	16
5.4 Requirements table columns .....	16
5.5 Column definitions .....	16
5.5.1 Req ID column .....	16
5.5.2 BR/RE column .....	16
5.5.3 Functional area column .....	17
5.5.4 Topic column .....	18
5.5.5 Subtopic column .....	19
5.5.6 Documentation column.....	21
5.5.7 Requirement description.....	21
5.5.8 Rationale .....	21
Annex A (normative) Security requirements .....	22
Bibliography .....	85
Figure 1 – Parts of the IEC 62443 Series.....	5
Figure 2 – Scope of service provider capabilities .....	6
Table 1 – Maturity levels.....	15
Table 2 – Columns.....	16
Table 3 – Functional area column values.....	18
Table 4 – Topic column values .....	19
Table 5 – Subtopic column values .....	20
Table A.1 – Security program requirements.....	22

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**SECURITY FOR INDUSTRIAL AUTOMATION  
AND CONTROL SYSTEMS –****Part 2-4: Security program requirements  
for IACS service providers**

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CDV	Report on voting
65/545/CDV	65/561A/RVC

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

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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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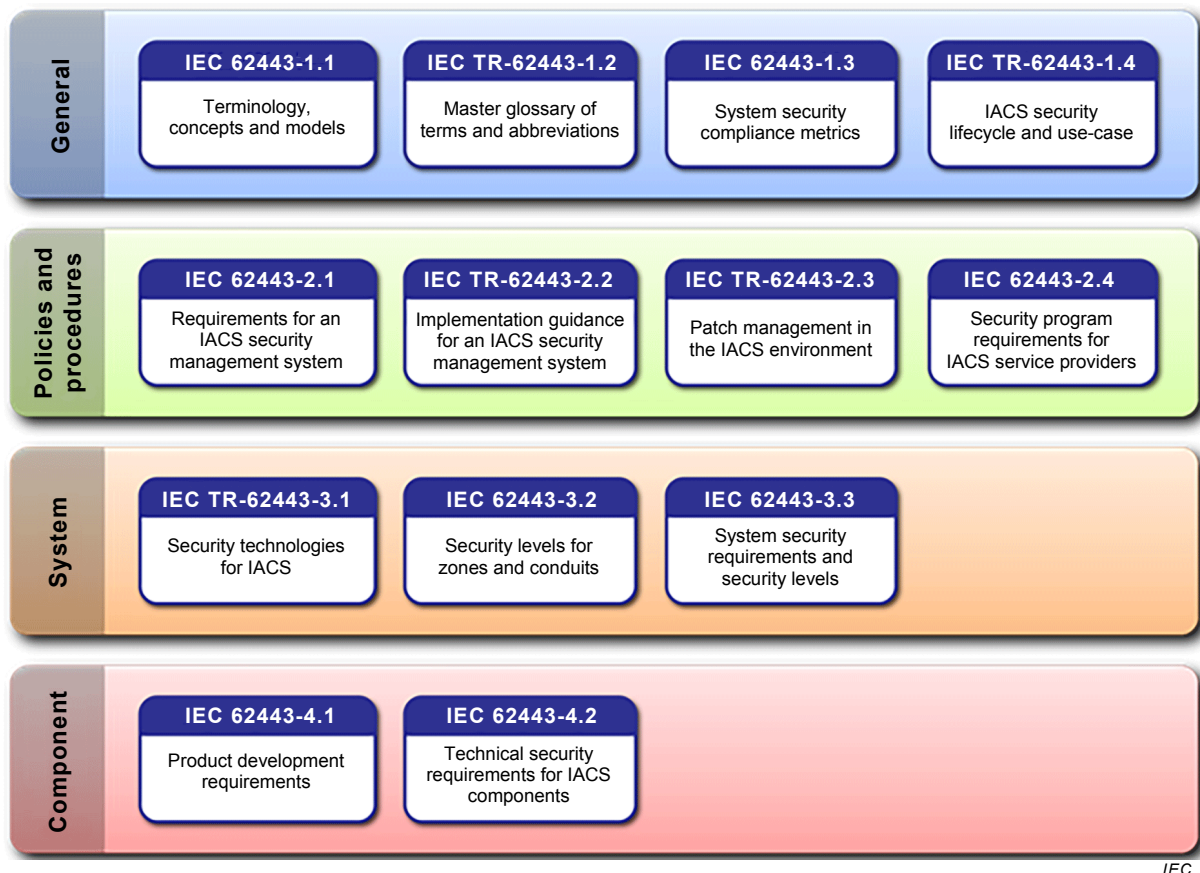
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## INTRODUCTION

This standard is the part of the IEC 62443 series that contains security requirements for providers of integration and maintenance services for Industrial Automation and Control Systems (IACS). It has been developed by IEC Technical Committee 65 in collaboration with the International Instrumentation Users Association, referred to as the WIB from its original and now obsolete Dutch name, and ISA 99 committee members.

Figure 1 illustrates the relationship of the different parts of IEC 62443 being developed. Those that are normatively referenced are included in the list of normative references in Clause 2, and those that are referenced for informational purposes or that are in development are listed in the Bibliography.



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Figure 1 – Parts of the IEC 62443 Series

# SECURITY FOR INDUSTRIAL AUTOMATION AND CONTROL SYSTEMS –

## Part 2-4: Security program requirements for IACS service providers

### 1 Scope

This part of IEC 62443-2-4 specifies 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.

NOTE 1 The term “Automation Solution” is used as a proper noun (and therefore capitalized) in this part of IEC 62443 to prevent confusion with other uses of this term.

Collectively, the security capabilities offered by an IACS service provider are referred to as its Security Program. In a related specification, IEC 62443-2-1 describes requirements for the Security Management System of the asset owner.

NOTE 2 In general, these security capabilities are policy, procedure, practice and personnel related.

Figure 2 illustrates how the integration and maintenance capabilities relate to the IACS and the control system product that is integrated into the Automation Solution. Some of these capabilities reference security measures defined in IEC 62443-3-3 that the service provider must ensure are supported in the Automation Solution (either included in the control system product or separately added to the Automation Solution).

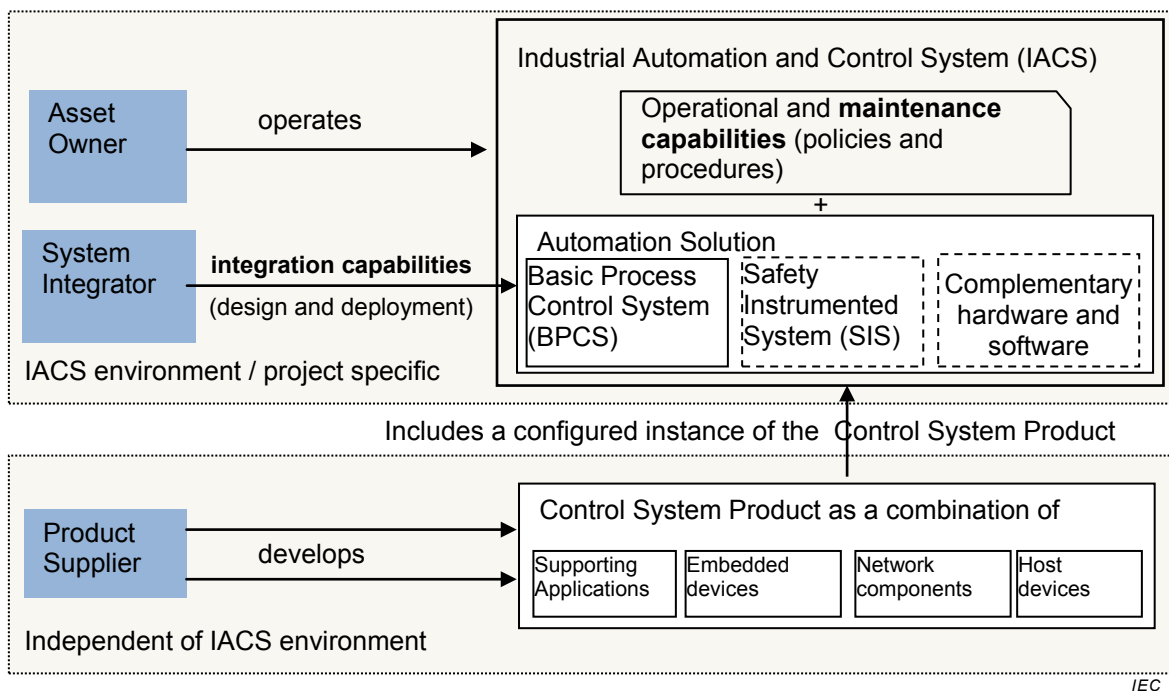


Figure 2 – Scope of service provider capabilities

In Figure 2, the Automation Solution is illustrated to contain a Basic Process Control System (BPCS), optional Safety Instrumented System (SIS), and optional supporting applications, such as advanced control. The dashed boxes indicate that these components are “optional”.

NOTE 3 The term “process” in BPCS may apply to a variety of industrial processes, including continuous processes and manufacturing processes.

NOTE 4 Clause 4.1.4 describes profiles and how they can be used by industry groups and other organizations to adapt this International Standard to their specific environments, including environments not based on an IACS.

NOTE 5 Automation Solutions typically have a single control system (product), but they are not restricted to do so. In general, the Automation Solution is the set of hardware and software, independent of product packaging, that is used to control a physical process (e.g. continuous or manufacturing) as defined by the asset owner.

## 2 Normative references

The following referenced documents are indispensable for the application 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.

“None”

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