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**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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INTERNATIONAL
ELECTROTECHNICAL
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ELECTROTECHNIQUE
INTERNATIONALE

ICS 25.040.40; 35.040; 35.100

ISBN 978-2-8322-2767-1

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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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International Standard IEC 62443-2-4 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:

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.

This publication 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.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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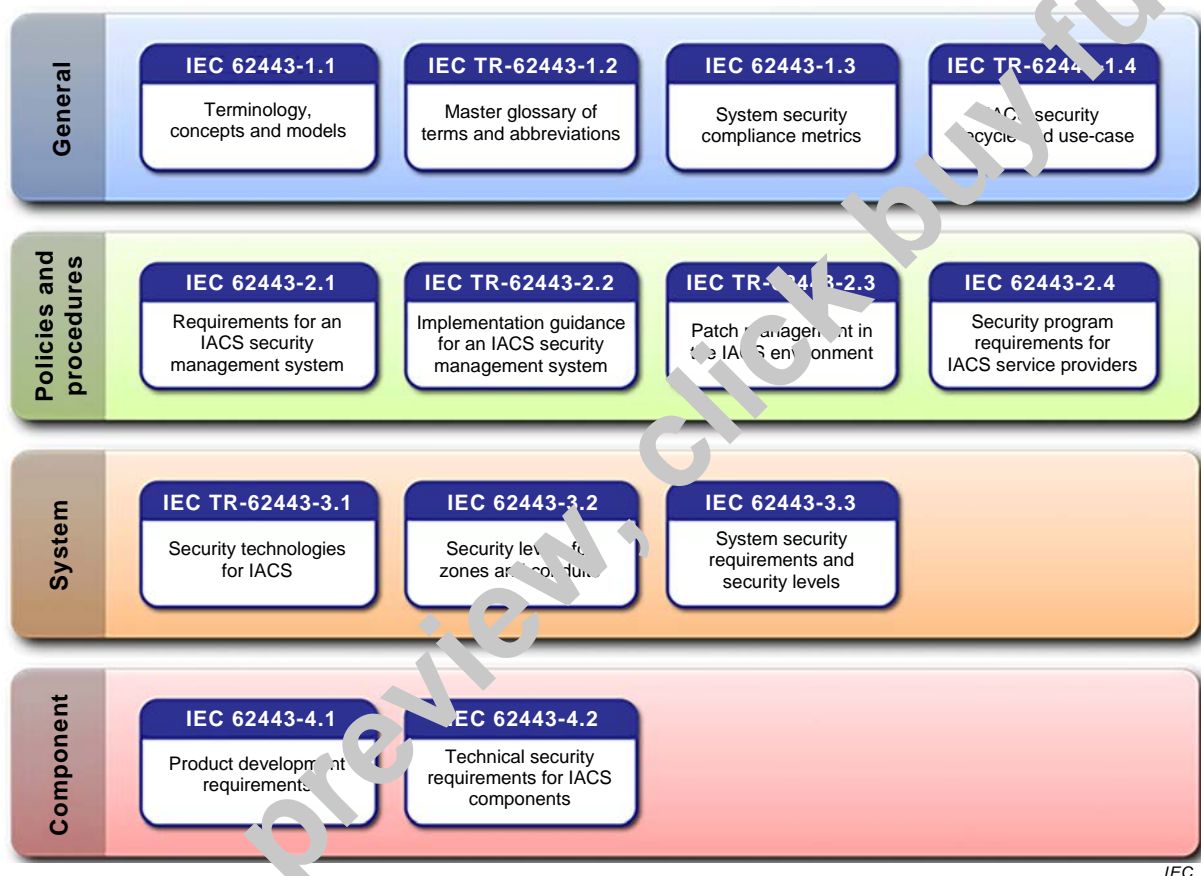
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INTRODUCTION

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.



IEC

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).

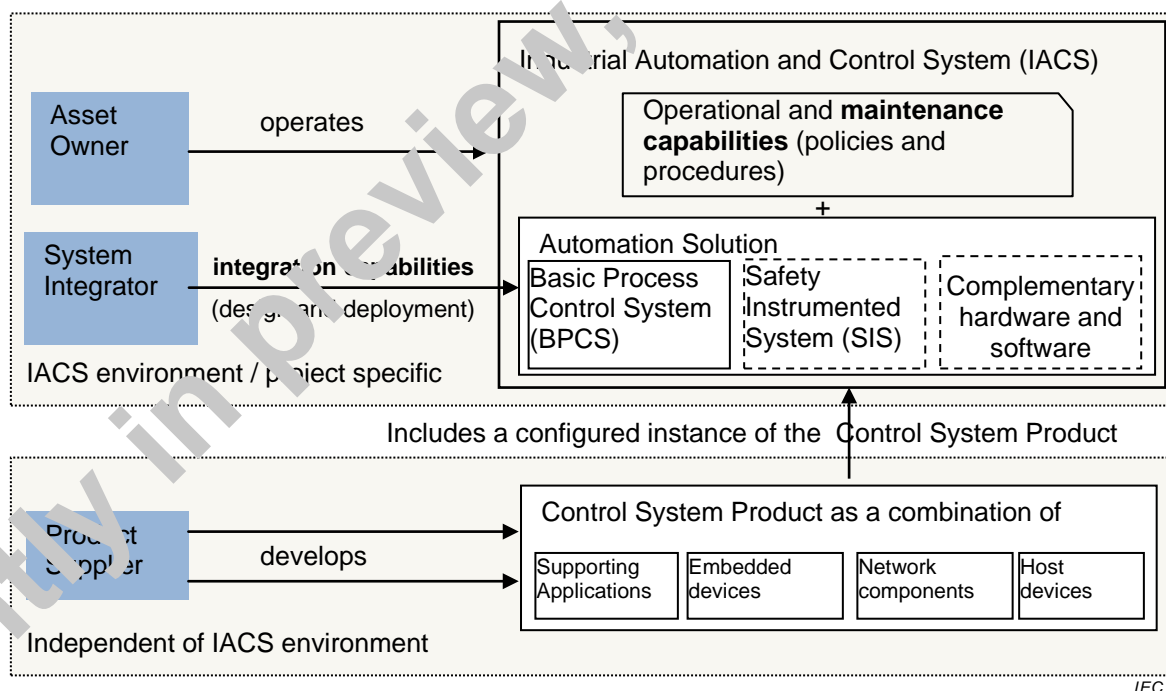


Figure 2 – Scope of service provider capabilities

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”.