CSA-204
ISA Security Compliance Institute – Component Security Assurance –
Instructions and Policies for Use of the ISASecure® Symbol and Certificate

Version 3.3

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Revision history

version	date	changes
1.3	2010.09.22	Initial version published to http://www.ISASecure.org
2.0	2011.10.21	Add support for separate CRT laboratories
2.1	2015.04.15	Change certificate to certified device logo and add errata version used, use registered symbol instead of trademark indicator for ISASecure, add ISO/IEC 17065 reference, add definition of ISASecure version
2.6	2018.02.05	Add line to certificate format referencing ANSI/ISA-62443-4-1 and IEC 62443-4-1; add these standards to references; incorporate erratum from EDSA-102 v3.1
2.7	2018.08.29	Update for ANSI/ISA-62443-4-2: add this standard as normative reference, incorporate certificate format from ISASecure-116 for new maintenance of cert policy and addition of line to certificate format referencing the standard
3.3	2019.08.013	Change title from EDSA-204 to CSA-204; update for all 4-2 component types; remove CRT; use term capability security level in certificate and text; change logo on certificate from certified device to certified component

Contents

Foreword

This is one of a series of documents that defines the ISASecure® CSA (Component Security Assurance) certification program for software applications, embedded devices, host devices, and network devices. These are the component types defined by the standard IEC 62443-4-2 that are used to build control systems. ISASecure CSA is developed and managed by the industry consortium ISA Security Compliance Institute (ISCI). A description of the ISASecure CSA program and the current list of documents related to ISASecure component security assurance can be found on the web site http://www.ISASecure.org.

1 Scope

This document outlines the procedure and conditions which govern the use of the ISASecure® symbol and certificate by ISASecure CSA chartered laboratories and component vendors, and any references to their ASCI license by such laboratories. The reference [CSA-100] provides an overall description of the ISASecure CSA program. The program certifies software applications, embedded devices, host devices, and network devices, as defined in [IEC 62443-4-2]. One or more of these definitions may apply to a component.

2 Normative references

[CSA-100] *ISCI Component Security Assurance – ISASecure certification scheme*, as specified at http://www.ISASecure.org

[CSA-202] *ISCI Component Security Assurance – Application and Contract for Chartered Laboratories*, internal ISCI document

[CSA-205] *ISCI Component Security Assurance – Certificate Document Format,* as specified at http://www.ISASecure.org

[CSA-301] *ISCI Component Security Assurance – Maintenance of ISASecure certification,* as specified at http://www.ISASecure.org

[ISASecure-117] *ISCI ISASecure Certification Programs - Policy for transition to CSA 1.0.0 and SSA 4.0.0*, as specified at http://www.ISASecure.org

NOTE The following pairs of references that have the same document number 62443-m-n, provide the same technical standard, as published by the organizations ANSI/ISA and IEC.

[ANSI/ISA-62443-4-1] ANSI/ISA-62443-4-1-2018 *Security for industrial automation and control systems Part 4-1: Secure product development lifecycle requirements*

[IEC 62443-4-1] IEC 62443-4-1:2019 *Security for industrial automation and control systems Part 4-1: Secure product development lifecycle requirements*

[ANSI/ISA-62443-4-2] ANSI/ISA-62443-4-2-2018 *Security for industrial automation and control systems Part 4-2: Technical security requirements for IACS components*

[IEC 62443-4-2] IEC 62443-4-2:2019 *Security for industrial automation and control systems Part 4-2: Technical security requirements for IACS components*

[ISO/IEC 17065] ISO/IEC 17065, "*Conformity assessment - Requirements for bodies certifying products, processes, and services*", September 15, 2012

[ISO/IEC 17025] ISO/IEC 17025, "*General requirements for the competence of testing and calibration laboratories*", November 2017

[ISO/IEC 17011] ISO/IEC 17011, "*Conformity assessment – General requirements for accreditation bodies accrediting conformity assessment bodies*", November 2017

[ISO/IEC 17000] ISO/IEC 17000 "*Conformity assessment — Vocabulary and general principles*"

[ISO/IEC 28] ISO/IEC Guide 28, "*Conforming assessment – Guidance on a third-party certification system for products,*" 2004

[ISO/IEC 23] ISO/IEC Guide 23 "*Methods of indicating conformity with standards for third-party certification systems,"* 1982

3 Definitions and abbreviations

3.1 Definitions

As a general rule, definitions of ISO/IEC 17000 are applicable.

3.1.1
accreditation body
third party that performs attestation, related to a conformity assessment body, conveying a formal demonstration of its competence to carry out specific conformity assessment

3.1.2
accreditation body logo
logo used by an accreditation body to identify itself.

3.1.3
accreditation certificate
formal document or a set of documents issued by an accreditation body, stating that accreditation has been granted for the defined scope.

3.1.4
accreditation symbol
symbol issued by an accreditation body to be used by chartered laboratories to indicate their accredited status.

3.1.5
capability security level
level that indicates capability of meeting a security level natively without additional compensating countermeasures when properly configured and integrated

3.1.6
conformity assessment body
body that performs conformity assessment services and that can be the object of accreditation

NOTE Examples are a laboratory, inspection body, product certification body, management system certification body and personnel certification body. This is an ISO/IEC term and concept.

3.1.7
certifier
chartered laboratory

NOTE This term is used when a shorter designation for this organization is more appropriate to the context.

3.1.8
chartered laboratory
organization chartered by ASCI to evaluate products and/or processes under one or more ISASecure certification programs and to grant certifications under one or more of these programs

NOTE A chartered laboratory is the conformity assessment body for the ISASecure CSA program.

3.1.9
component
entity belonging to an IACS that exhibits the characteristics of one or more of a host device, network device, software application, or embedded device

3.1.10
embedded device
special purpose device running embedded software designed to directly monitor, control or actuate an industrial process

NOTE Attributes of an embedded device are: no rotating media, limited number of exposed services, programmed through an external interface, embedded OS or firmware equivalent, real-time scheduler, may have an attached control panel, may have a communications interface. Examples are: PLC, field sensor devices, SIS controller, DCS controller.

3.1.11
host device
general purpose device running an operating system (for example Microsoft Windows OS or Linux) capable of hosting one or more software applications, data stores or functions from one or more suppliers

NOTE Typical attributes include filesystem(s), programmable services, no real time scheduler and full HMI (keyboard, mouse, etc.).

3.1.12
ISASecure symbol
graphic affixed or displayed to designate that ISASecure certification has been achieved

NOTE The ISASecure symbol is the mark of conformity for the ASCI certification scheme. The symbol or mark is licensed by ASCI for use by suppliers that have achieved certified products and by ISASecure laboratories to signify their participation in the ISASecure program.

3.1.13
ISASecure version
ISASecure certification criteria in force at a particular point in time, defined by the set of document versions that define the certification program, and identified by a 3-place number such as ISASecure CSA 1.0.0

3.1.14
network device
device that facilitates data flow between devices, or restricts the flow of data, but may not directly interact with a control process

NOTE Typical attributes include embedded OS or firmware, no HMI, no real-time scheduler and configured through an external interface.

3.1.15
software application
one or more software programs and their dependencies that are used to interface with the process or the control system itself (for example, configuration software and historian)

NOTE 1 Software applications typically execute on host devices or embedded devices.

NOTE 2 Dependencies are any software programs that are necessary for the software application to function such as database packages, reporting tools, or any third party or open source software.

3.2 Abbreviations

The following abbreviations are used in this document.

ANSI	American National Standards Institute
ASCI	Automation Standards Compliance Institute
DCS	distributed control system
CSA	component security assurance
HMI	human-machine interface
IACS	industrial automation and control system(s)
IAF	International Accreditation Forum
ILAC	International Laboratory Accreditation Cooperation
ISCI	ISA Security Compliance Institute
ISA	International Society of Automation
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
OS	operating system
PLC	programmable logic controller
SIS	safety instrumented system

4 ISASecure symbol and references

4.1 General

The ISASecure symbol is defined as the sequence of letters “ISASecure,” where the first four letters only are capitalized. The ISASecure symbol shall be displayed only in the appropriate form, size, and color detailed on the ISASecure website: http://www.ISASecure.org.

When displayed in isolation such as on a product box or letterhead, the ISASecure symbol shall always be accompanied by the trademark notation, as in ISASecure®. When used within a document that has several occurrences of the symbol, such as a brochure or press release, the first occurrence shall have the trademark notation. In addition, in this case, the document shall also include the statement:

ISASecure® is a registered Trademark of ASCI. All rights reserved.

An ISASecure chartered laboratory and/or its clients shall neither use the ISASecure symbol in any misleading manner, nor shall imply in use of the symbol or in any reference that ASCI or ISCI approves of its products.

In particular, a chartered laboratory and/or its clients shall not use the ISASecure symbol in any way that might mislead the reader regarding the status of the laboratory or the certification of a component or a specific version of a component.

All references that contain the ISASecure symbol shall clearly define the particular ISASecure certification program to which they are related, which in the present case would be the ISASecure CSA certification program.

4.2 Use by ISASecure chartered laboratory

When a chartered laboratory displays the ISASecure symbol in printed or online documentation, its license number (chartered laboratory identification, in five-digit format) issued by ASCI shall be printed centrally under the ISASecure symbol. Its accreditation number may also appear.

In particular, the ISASecure symbol may be displayed on organizational stationery/letterhead by a chartered laboratory only if the mark or title of the laboratory is also shown, along with its license number.

The following is an example of correct use of the ISASecure symbol by a chartered laboratory:

ISASecure® CSA

Accreditation Number: WWWWW

License Number: XXXXX

A chartered laboratory is entitled to use the phrase, "An ISASecure Chartered Laboratory – Accreditation number WWWWW, License Number XXXXX" in combination with the ISASecure symbol.

To request approval to use one of the above phrases, a laboratory shall:

a) Submit a request to use the wording to the ASCI Managing Director; and

b) Submit a pictorial representation of how the wording is to appear

c) Submit a pictorial representation of how the wording is to appear in conjunction with the accreditation body's mark/symbol, the ISASecure symbol or any other mark or symbol of conformity.

The ASCI Managing Director shall respond within 30 days as to whether the use of the wording as proposed by the laboratory is acceptable.

The chartered laboratory shall bear responsibility for obtaining any required copyrights and for monitoring the use of the wording and ensuring that the wording is not misused.

ISASecure laboratories are entitled to incorporate the ISASecure symbol in public material that refers to accredited services, provided that the conditions in this procedure are met. ISASecure laboratories are also entitled to make general reference to the ASCI license provided they ensure that ASCI recognition is not implied for aspects of any program for which the laboratory is not recognized.

Any use of the ISASecure symbol by a laboratory that might contravene the conditions set out in this procedure will be considered a misuse of the symbol and subject to legal action which may include withdrawal of the ASCI license, or publication of the transgression or other action deemed necessary by ASCI to maintain the integrity of its mark.

4.3 Use by component vendor

When a vendor for a certified component displays the ISASecure symbol in printed or online documentation, the certification number issued by the certification body (chartered laboratory) shall be printed centrally under the ISASecure symbol, The ISASecure version and certification level shall also appear.

The following is an example of correct use of the ISASecure symbol by a component vendor:

ISASecure® CSA 1.0.0 Capability Security Level 1

Certification number: YYYYY

The vendor may place the ISASecure symbol on a certified component or its packaging. The decision to do this should take into account that the symbol may not appear on product versions that are not certified. The product versions to which a certification applies are described in [CSA-301].

As specified in [ISO/IEC 17065], the consequences of transgressions by clients of a chartered laboratory are managed by the chartered laboratory.

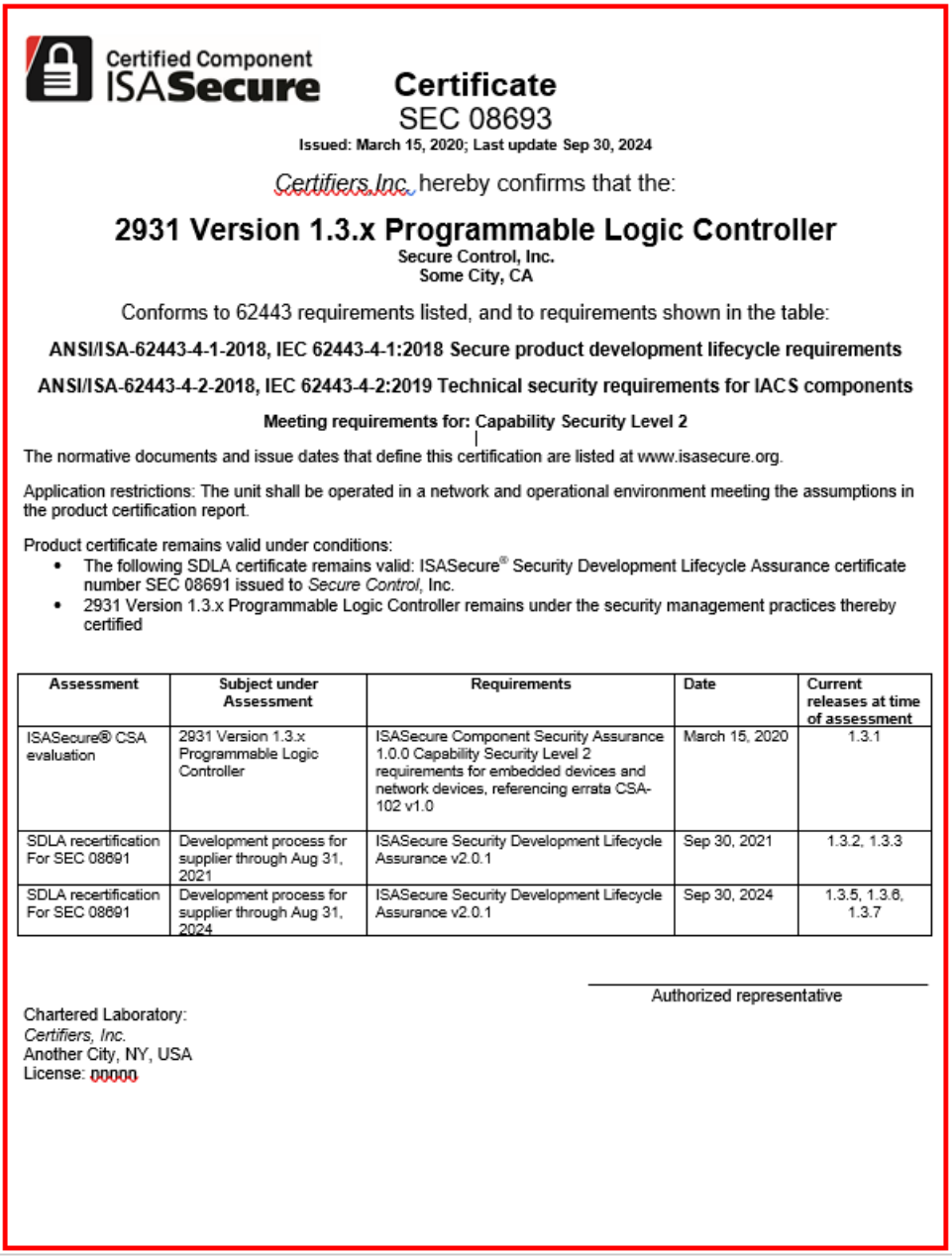
5 Certificates

The certification certificate issued by a chartered laboratory to its clients must be the one recognized by the ASCI program. The document [CSA-205] posted on the ISASecure website contains the approved certificate

format in an editable form suitable for use as a template. Figure 1 illustrates this format. If alterations are made to the approved certificate, prior to its use, the ASCI Managing Director must approve the certification certificate used by the chartered laboratory.

In the example certificate, the component certified fit the definition for both an embedded device and a network device. In this case requirements for both kinds of components apply, and both component types are shown on the certificate.

NOTE Additional explanation regarding the content shown on this certificate can be found in [CSA-301].



Certified Component ISASecure

Certificate
SEC 08693
Issued: March 15, 2020; Last update Sep 30, 2024

Certifiers Inc. hereby confirms that the:

2931 Version 1.3.x Programmable Logic Controller
Secure Control, Inc.
Some City, CA

Conforms to 62443 requirements listed, and to requirements shown in the table:

ANSI/ISA-62443-4-1-2018, IEC 62443-4-1:2018 Secure product development lifecycle requirements

ANSI/ISA-62443-4-2-2018, IEC 62443-4-2:2019 Technical security requirements for IACS components

Meeting requirements for: Capability Security Level 2

The normative documents and issue dates that define this certification are listed at www.isasecure.org.

Application restrictions: The unit shall be operated in a network and operational environment meeting the assumptions in the product certification report.

Product certificate remains valid under conditions:

- The following SDLA certificate remains valid: ISASecure® Security Development Lifecycle Assurance certificate number SEC 08691 issued to *Secure Control*, Inc.
- 2931 Version 1.3.x Programmable Logic Controller remains under the security management practices thereby certified

Assessment	Subject under Assessment	Requirements	Date	Current releases at time of assessment
ISASecure® CSA evaluation	2931 Version 1.3.x Programmable Logic Controller	ISASecure Component Security Assurance 1.0.0 Capability Security Level 2 requirements for embedded devices and network devices, referencing errata CSA-102 v1.0	March 15, 2020	1.3.1
SDLA recertification For SEC 08691	Development process for supplier through Aug 31, 2021	ISASecure Security Development Lifecycle Assurance v2.0.1	Sep 30, 2021	1.3.2, 1.3.3
SDLA recertification For SEC 08691	Development process for supplier through Aug 31, 2024	ISASecure Security Development Lifecycle Assurance v2.0.1	Sep 30, 2024	1.3.5, 1.3.6, 1.3.7

Authorized representative

Chartered Laboratory:
Certifiers, Inc.
Another City, NY, USA
License: ppppp

Figure 1 - Example Certificate

6 Change in accreditation status

Upon withdrawal or suspension of its accreditation, a chartered laboratory shall immediately cease to display or issue certificates and any other materials displaying the ISASecure symbol, license or containing reference to ASCI recognition.

7 Modification of the ISASecure symbol

Upon any modifications to the ISASecure symbol, ASCI must immediately inform ISASecure laboratories of its changes and proper use. The effective date for the use of the new symbol must be published on the website: http://www.ISASecure.org.

8 Use of accreditation certificates and symbol

A chartered laboratory use of the accreditation certificates issued by the accreditation body and the associated symbols must follow the policies and procedures of the accreditation body.

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