

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

Version 32.03.1

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Revision history

version	date	changes
1.10-4	2014.10.01 2013.12.09	Initial version published to http://www.ISASecure.org Initial draft
1.21-0	2015.04.15 2014.09.10	Add errata version to certificate format Review and update for final version
1.81-1	2018.02.05 2014.10.01	Add line to certificate format referencing ANSI/ISA 62443-4-1 and IEC 62443-4-1; update normative references; add definition of capability security level and use in 4.3; scalability modifications: certificate to reference scope of certification document for scalability, add related text in section 5, add definitions of scalable system and layout; incorporate erratum from SSA-102 v1.6 Change 2014.1 certification version designation to 2.6.1; add 17065 and ISASecure-111 references
2.01-2	2019.08.12 2015.04.15	Remove mention of EDSA certification supporting SSA certification, change remaining EDSA references to CSA, remove mention of CRT laboratories; change device to component; update certificate for new maintenance of certification policy; add new versions of 17025 and 17011 Add errata version to certificate format
1.3	2017.07.28	Add line to certificate format referencing ISA 62443-4-1 (ISA standard but not yet IEC standard); update normative references; add definition of capability security level and use in 4.3; incorporate erratum from SSA-102 v1.6
1.4	2017.08.02	Scalability modifications: certificate to reference scope of certification document for scalability; add related text in section 5; add definitions of scalable system and layout
1.5	2017.08.27	Correct references to ANSI/ISA-62443-4-1-2017 in normative references and certificate; put dates on standards on certificate; remove ISA from bracketed abbreviation for this reference
1.6	2018.01.26	Simplified certificate wording regarding 62443 standards, in accordance with EDSA certificate; update in references to be 2018 standard, and modify title
1.7	2018.01.29	Address director comment to correct references to 62443 standards
1.8	2018.02.05	Add ANSI to acronyms
2.0	2019.08.12	Remove mention of EDSA certification supporting SSA certification, change remaining EDSA references to CSA, remove mention of CRT laboratories; change device to component; update certificate for new maintenance of certification policy; add new versions of 17025 and 17011
3.0	2023.04.21	Do not permit logo placement on physical control system
3.1	2025.05.06	Updated logo and copyright date

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Foreword

This is one of a series of documents that defines ISASecure certification for control systems, which is developed and managed by the industry consortium ISA Security Compliance Institute (ISCI). Certifications available include ISASecure Component Security Assurance (CSA) for industrial automation and control system components, ISASecure System Security Assurance (SSA) for systems and ISASecure Security Development Lifecycle Assurance (SDLA) which addresses control system supplier development processes. This specification is one of the series of documents that describes requirements for ISASecure SSA certification. The current list of documents related to ISASecure certification programs can be found on the web site <http://www.ISASecure.org>.

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1 Scope

This document outlines the procedure and conditions which govern the use of the ISASecure® symbol and certificate by suppliers of ISASecure SSA certified control systems, as well as their use by ISASecure SSA chartered laboratories and any references to their ASCI license by such laboratories. The reference [SSA-100] describes the overall ISASecure SSA program.

Separate documents cover this topic for the ISASecure CSA and ISASecure SDLA certification programs (CSA-204 and SDLA-204). The intent of the requirements is the same across all ISASecure programs. However, there are some topics unique to each program addressed in each program-specific document.

2 Normative references

[SSA-100] *ISCI System Security Assurance – ISASecure certification scheme*, as specified at <http://www.ISASecure.org>

[ISASecure-117] *ISCI ISASecure Certification Programs - Policy for transition to CSA 1.0.0 and SSA 4.00*

[ISASecure-202] *ISCI ISASecure Certification Programs – Application and Contract for Chartered Laboratories*, internal ISCI document

[SSA-205] *ISCI System Security Assurance – Certificate Document Format*, as specified at <http://www.ISASecure.org>

NOTE 1 ISASecure SSA certification assesses conformance with the following international standards, as shown on the certificate specified in the present document.

NOTE 2 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-62443-3-3] ANSI/ISA-62443-3-3 (99.03.03) - 2013 *Security for industrial automation and control systems Part 3-3: System security requirements and security levels*

[IEC 62443-3-3] IEC 62443-3-3:2013 *Industrial communication networks - Network and system security - Part 3-3: System security requirements and security levels*

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

NOTE 3 The following international standards apply to the ISASecure certification and testing processes.

[ISO/IEC 17065] ISO/IEC 17065:2012, "Conformity assessment—requirements for bodies certifying products, processes and services", October 2012

NOTE 4 The transition timeline to the later 2017 version of ISO/IEC 17025 below is defined by ISO/ILAC policy.

[ISO/IEC 17025 2005] ISO/IEC 17025, "General requirements for the competence of testing and calibration laboratories", 15 May 2005

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

NOTE 5 The following international standard applies to the ISASecure chartered laboratory accreditation process. The transition timeline to the later 2017 version of ISO/IEC 17011 below is defined by ISO/ILAC policy.

[ISO/IEC 17011 2004] ISO/IEC 17011, "Conformity assessment – General requirements for accreditation bodies accrediting conformity assessment bodies", 01 September 2004

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

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[ISO/IEC 17000] ISO/IEC 17000 “Conformity assessment — Vocabulary and general principles”

[ISO/IEC 28] ISO/IEC Guide 28, “Conformity 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

third party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks

NOTE For ISASecure certification programs, accreditation is an assessment and recognition process via which an organization is granted chartered laboratory status or CRT laboratory status.

3.1.2

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

3.1.3

accreditation body logo

logo used by an accreditation body to identify itself

3.1.4

accreditation certificate

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

3.1.5

accreditation symbol

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

3.1.6

capability security level

security level that a component or system can provide when properly configured and integrated

NOTE This type of security level states that a particular component or system is capable of meeting a target security level natively without additional compensating countermeasures when properly configured and integrated

3.1.7

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.

3.1.8

control system

hardware and software components of an IACS

NOTE Control systems include systems that perform monitoring functions.

3.1.9

certifier

chartered laboratory, which is an organization that is qualified to certify products or processes as ISASecure

NOTE This term is used when a simpler term that indicates the role of a "chartered laboratory" is clearer in a particular context.

3.1.10

chartered laboratory

organization chartered by ASCI to evaluate products 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 certification programs.

3.1.11

industrial automation and control system

collection of personnel, hardware, software and policies involved in the operation of the industrial process and that can affect or influence its safe, secure, and reliable operation

3.1.12

ISASecure symbol

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

NOTE The ISASecure symbol is the mark of conformity for an ASCI certification scheme. The symbol or mark is licensed by ASCI to chartered laboratories for the use by suppliers that have achieved requirements for a particular type of ISASecure certification and by chartered laboratories to signify conformance to the ISASecure certification requirements.

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 SSA 4.0.0

3.1.14

layout

description of a specific instance of a scalable control system, that defines quantities of zones and resident components, and internal and external interfaces

3.1.15

scalable control system

control system which supports replication of zones and/or components to support small and large installations

3.2 Abbreviations

The following abbreviations are used in this document.

ANSI	American National Standards Institute
ASCI	Automation Standards Compliance Institute
CSA	component security assurance
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
SDLA	Security Development Lifecycle Assurance
SSA	System Security Assurance

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.

A 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 a chartered laboratory or the certification of a control system or a specific version or layout of a control system. The symbol shall also not be used to imply that the certification of a control system confers security properties on any of the system's components independent of the system.

All references that contain the ISASecure symbol shall clearly define the particular ISASecure certification program to which it is related, which in the present case would be the ISCI SSA certification program.

4.2 Use by chartered laboratory

When an ISASecure 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. ISCI shall maintain one license number for each organization, and track those ISASecure programs for which the laboratory is accredited, in association with that number.

In particular, the ISASecure symbol may be displayed on organizational stationery/letterhead by a chartered laboratory only if the mark or title of the chartered 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® SSA

Accreditation Number: WWWW

License Number: XXXX

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

To request approval to use the phrase "An ISASecure Chartered Laboratory – Accreditation number: WWWW, License Number XXXX" the chartered 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.

Chartered 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. Chartered laboratories are also entitled to make general reference to the ASCI license provided they ensure that ASCI recognition is not implied for parts of any ISASecure program for which they are not accredited.

Any use of the ISASecure symbol by the chartered 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 control system supplier

When a supplier for a certified control system 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 zone certification levels shall also appear.

The following is an example of correct use of the ISASecure symbol by a control system supplier:

ISASecure® SSA 4.0.0

Process Operations Zone: Capability Security Level 1

Process Safety Zone: Capability Security Level 2

Process Control Zone: Capability Security Level 1

Certification number: YYYY

The supplier ~~may shall not~~ place the ISASecure symbol on a certified control system or its packaging ~~as long as the identifier for the overall system is included together with the symbol. The decision to do this should take into account that the symbol may not appear on product versions or layouts that have not been certified, nor on system components supplied independently of the overall certified system product. This policy recognizes~~

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that most products incorporate software which potentially may be replaced by later versions that may or may not be certified. The policy does not prohibit marking such a product with the logo of a certification body, nor does it preclude modification of this policy in the future to align with evolving industry marking practices and/or regulatory requirements.

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 [SSA-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.

The SSA specifications support a "scalability" scenario in which a single certificate may cover several different layouts for a system. Layouts may include varying quantities of components and/or zones to scale for large and small installations. The certificate for such a system shall include a reference to a document that describes the layouts covered by the certification. In the example certificate below, this reference is the document "AllControl Scope of SSA Certification" v1.0.

The certificate shall include a reference to the ISASecure SDLA certification for the supplier's secure product development lifecycle process that supports the SSA certification.

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

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ISASecure®
 CERTIFIED SYSTEM

Certificate

SEC 08693

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

Certifiers, Inc. hereby confirms that the:

BestControl M40 Control System R60x
Systems conforming to layouts in "AllControl Scope of SSA
Certification" v1.0
 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-62443-3-3-2013, IEC 62443-3-3:2013 System security requirements and security levels

Meeting requirements for:
 Process Operations Zone: Capability Security Level 1
 Process Safety Zone: Capability Security Level 2
 Process Control Zone: Capability Security Level 1

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

Application restrictions: The system 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.
- BestControl M40 Control System R60x remains under the security management practices thereby certified

Assessment	Subject under Assessment	Requirements	Date	Current releases at time of assessment
ISASecure® SSA evaluation	BestControl M40 Controller R600.1	ISASecure System Security Assurance 4.0.0 referencing errata SSA-102 v4.1	March 15, 2020	R600.1
SDLA recertification for SEC 08691	Development process for supplier through Aug 31, 2021	ISASecure Security Development Lifecycle Assurance v2.0.0	Sep 30, 2021	R600.4; R601.2
SDLA recertification For SEC 08691	Development process for supplier through Aug 31, 2024	ISASecure Security Development Lifecycle Assurance v2.0.0	Sep 30, 2024	R600.6; R601.4; R602.3

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

 Authorized representative

Figure 1 - Example Certificate

6 Change in accreditation status

Upon withdrawal or suspension of the chartered laboratory accreditation, a chartered laboratory shall immediately cease to 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 chartered 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

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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