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

Version 0.1

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Revision history

version	date	author	changes
0.1	2013.12.09	C. Muehrcke	Initial draft

Contents

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 Embedded Device Security Assurance (EDSA) for embedded devices, 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.

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 EDSA and ISASecure SDLA certification programs (EDSA-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.

CRT laboratories may provide test results to both EDSA and SSA chartered laboratories. Use of the ISASecure symbol and certificate by CRT laboratories is covered in the EDSA-204 document.

2 Normative references

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

[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.orghttp://www.isasecure.org/

[ISO/IEC Guide 65] ISO/IEC Guide 65, "*General Requirements for Bodies Operating Product Certification Systems*", 1996

[IAF Guide 65 Guidance] IAF Guidance on the Application of ISO/IEC Guide 65:1996**,** "*General Requirements for Bodies operating Product Certification Systems"**,** IAF GD 5:2006 Issue 2 Application date: 8 December 2007

[ISO/IEC 17025] ISO/IEC 17025, "*General requirements for the competence of testing and calibration laboratories"**,** 15 December 1999

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

[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
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
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
control system
hardware and software components of an IACS

NOTE Control systems include systems that perform monitoring functions.

3.1.8
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.

3.1.9
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.

3.1.10
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
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 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.

3.2 Abbreviations

The following abbreviations are used in this document.

ASCI	Automation Standards Compliance Institute
EDSA	embedded device 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 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 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: 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 the phrase “An ISASecure Chartered Laboratory – Accreditation number:WWWWW, License Number XXXXX” 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 2014.1

Process Operations Zone: Level 1

Process Safety Zone: Level 2

Process Control Zone: Level 1

Certification number: YYYYY

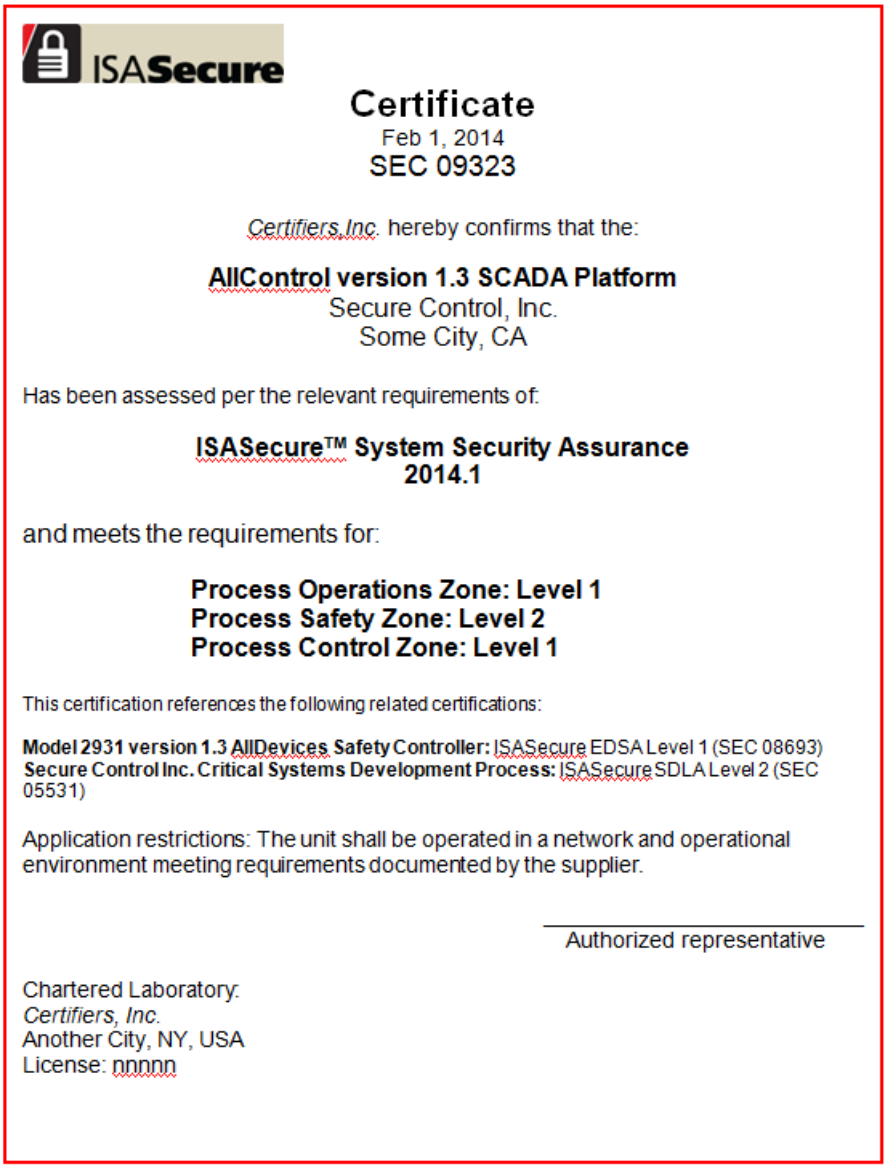
The supplier may place the ISASecure symbol on a certified control system or its packaging, as long as the identifier for the overall system is included together with the symbol. The decision to do this should take into account that the symbol may not appear on product versions that have not been certified,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

As specified in [ISO/IEC Guide 65], 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 certificate shall include references to any ISASecure certifications that support the SSA certification. These may be certifications for system components such as ISASecure EDSA for embedded devices, or ISASecure SDLA for the supplier's security development lifecycle process.



ISASecure

Certificate

Feb 1, 2014

SEC 09323

Certifiers Inc. hereby confirms that the:

AllControl version 1.3 SCADA Platform
Secure Control, Inc.
Some City, CA

Has been assessed per the relevant requirements of:

ISASecure™ System Security Assurance 2014.1

and meets the requirements for:

Process Operations Zone: Level 1
Process Safety Zone: Level 2
Process Control Zone: Level 1

This certification references the following related certifications:

Model 2931 version 1.3 AllDevices Safety Controller: ISASecure EDSA Level 1 (SEC 08693)
Secure Control Inc. Critical Systems Development Process: ISASecure SDLA Level 2 (SEC 05531)

Application restrictions: The unit shall be operated in a network and operational environment meeting requirements documented by the supplier.

Authorized representative

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

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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