

EDSA-204
ISA Security Compliance Institute —
Embedded Device Security Assurance —
Instructions and Policies for Use of the ISASecure Symbol and Certificate

Version 2.0

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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

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Foreword

NOTE This is one of a series of documents that defines the ISASecure accreditation program for the certification for embedded devices, which is developed and managed by the industry consortium ISA Security Compliance Institute (ISCI). A description of this program and the current list of documents related to ISASecure embedded device 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 EDSA chartered laboratories, CRT laboratories and embedded device vendors, and any references to their ASCI license by such laboratories. The reference [EDSA-100] describes the overall ISASecure EDSA program.

2 Normative references

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

[EDSA-202] *ISCI Embedded Device Security Assurance – Application and Contract for Chartered Laboratories*, internal ISCI document

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

[EDSA-207] *ISCI Embedded Device Security Assurance – Application and Contract for CRT Laboratories*, internal ISCI document

[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.

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

accreditation body logo

logo used by an accreditation body to identify itself.

accreditation certificate

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

accreditation symbol

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

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.

certifier

chartered laboratory

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

chartered laboratory

organization chartered by ASCI to evaluate devices under the ISASecure EDSA certification program and to grant certifications.

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

CRT laboratory

organization authorized by ASCI to perform EDSA communication robustness testing and submit results to a chartered laboratory as evidence toward certification

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.

ISASecure laboratory

either a chartered laboratory or a CRT laboratory

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 vendors that have achieved certified devices and by ISASecure laboratories to signify their participation in the ISASecure program.

3.2 Abbreviations

The following abbreviations are used in this document.

ASCI	Automation Standards Compliance Institute
DCS	distributed control system
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
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 Trademark of ASCI. All rights reserved.

In this document, the term “ISASecure laboratory” shall refer to either a chartered laboratory or a CRT laboratory as defined in 3.1. An ISASecure 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, an ISASecure 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 device or a specific version of a device. For example, a CRT laboratory shall not display the ISASecure symbol in association with a device it has tested unless that device has passed ISASecure certification by a chartered laboratory.

All references that contain the ISASecure symbol shall clearly define that it is related to the ISCI EDSA certification program.

4.2 Use by ISASecure laboratory

When an ISASecure laboratory displays the ISASecure symbol in printed or online documentation, its license number (chartered or CRT 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 an ISASecure 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™ EDSA

Accreditation Number: WWWW

License Number: XXXXX

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

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

ISASecure™ EDSA CRT

Accreditation Number: WWWW

License Number: XXXXX

A CRT laboratory is entitled to use the phrase, "An ISASecure CRT Laboratory – Accreditation number WWWW, 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 ISASecure 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 device vendor

When a vendor for a certified embedded device 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 device vendor:

Certification number: YYYYYY

The vendor may place the ISASecure symbol on a certified device or its packaging. The decision to do this should take into account that the symbol may not appear on product versions that have not been certified.

As specified in [ISO/IEC Guide 65], the consequences of transgressions by clients of a chartered laboratory are managed by the chartered laboratory.

Vendors for devices that have undergone successful testing by a CRT laboratory are not authorized to display the ISASecure symbol in any manner associated with such a device, based upon this result. The device must subsequently be certified by a chartered laboratory in accordance with all of the ISASecure EDSA criteria in order to display the ISASecure symbol.

5 Certificates

The certification certificate issued by a chartered laboratory to its clients must be the one recognized by the ASCI program. The document [EDSA-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.

CRT laboratories are not authorized to issue certificates that display the ISASecure symbol for devices that have successfully passed CRT.



Certificate

December 12, 2010

SEC 08693

Certifiers, Inc. hereby confirms that the:

2931 version 1.3 Programmable Logic Controller

**Secure Control, Inc.
Some City, CA**

Has been assessed per the relevant requirements of:

**ISASecure™ Embedded Device Security Assurance
2010.1**

and meets the requirements for:

Level 1

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

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 its accreditation, an ISASecure 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

ISASecure 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.
