

## Site Security Certification Report

### INESA Shanghai

Sponsor & Site Operator: **Shanghai INESA intelligent Electronics Co., Ltd.**  
No. 818, Jin Yu Road P.R.  
Free Trading Zone, Shanghai  
China P.R.

Evaluation facility: **SGS Brightsight B.V.**  
Brassersplein 2  
2612 CT Delft  
The Netherlands

Report number: **NSCIB-SS-2300084-01-CR**

Report version: **1**

Project number: **NSCIB-2300084-01**

Author(s): **Brian Smithson**

Date: **14 August 2023**

Number of pages: **9**

Number of appendices: **0**

*Reproduction of this report is authorised only if the report is reproduced in its entirety.*

# CONTENTS

<b>Foreword</b>	<b>3</b>
<b>Recognition of the Certificate</b>	<b>4</b>
<b>1 Executive Summary</b>	<b>5</b>
<b>2 Certification Results</b>	<b>6</b>
2.1 Site Identification	6
2.2 Scope: Physical	6
2.3 Scope: Logical	6
2.4 Evaluation Approach	7
2.5 Evaluation Results	7
2.6 Comments/Recommendations	7
<b>3 Site Security Target</b>	<b>8</b>
<b>4 Definitions</b>	<b>8</b>
<b>5 Bibliography</b>	<b>9</b>

## Foreword

The Netherlands Scheme for Certification in the Area of IT Security (NSCIB) provides a third-party evaluation and certification service for determining the trustworthiness of Information Technology (IT) security products. Under this NSCIB, TrustCB B.V. has the task of issuing certificates for IT security products, as well as for protection profiles and sites.

Part of the procedure is the technical examination (evaluation) of the product, protection profile or site according to the Common Criteria assessment guidelines published by the NSCIB. Evaluations are performed by an IT Security Evaluation Facility (ITSEF) under the oversight of the NSCIB Certification Body, which is operated by TrustCB B.V. in cooperation with the Ministry of the Interior and Kingdom Relations.

An ITSEF in the Netherlands is a commercial facility that has been licensed by TrustCB B.V. to perform Common Criteria evaluations; a significant requirement for such a licence is accreditation to the requirements of ISO Standard 17025 “General requirements for the accreditation of calibration and testing laboratories”.

By awarding a Common Criteria certificate, TrustCB B.V. asserts that the product or site complies with the security requirements specified in the associated (site) security target, or that the protection profile (PP) complies with the requirements for PP evaluation specified in the Common Criteria for Information Security Evaluation. A (site) security target is a requirements specification document that defines the scope of the evaluation activities.

The consumer should review the (site) security target or protection profile, in addition to this certification report, to gain an understanding of any assumptions made during the evaluation, the IT product's intended environment, its security requirements, and the level of confidence (i.e., the evaluation assurance level) that the product or site satisfies the security requirements stated in the (site) security target.

Reproduction of this report is authorised only if the report is reproduced in its entirety.

## Recognition of the Certificate

At the time of publication, the Common Criteria Recognition Arrangement (CCRA) and the SOG-IS Mutual Recognition Agreement (SOG-IS MRA) do not cover the recognition of Site Certificates. The site-security evaluation process, however, followed all the rules of these agreements and used the agreed supporting document for site certification [CCDB]. Therefore, the results of this evaluation and certification procedure can be reused by any scheme in subsequent product evaluations and certification procedures that make use of the certified site.

Presence of the CCRA and SOG-IS logos on this certificate would indicate that the certificate is issued in accordance with the provisions of the CCRA and the SOG-IS MRA and is recognised by the participating nations. The CCRA and the SOG-IS MRA do not cover site certification, however, so these logos are not present on this certificate.

## 1 Executive Summary

This Certification Report states the outcome of the Common Criteria security evaluation of the INESA Shanghai. The operator of the site is Shanghai INESA intelligent Electronics Co., Ltd. located in Shanghai, China P.R. and they also act as the sponsor of the evaluation and certification.

The evaluated site is: INESA Shanghai.

The site is used by Shanghai INESA intelligent Electronics Co., Ltd. to participate in the production and testing of wafers for secure IC hardware products. To perform its activities, the site uses the: Shanghai INESA intelligent Electronics Co., Ltd. provided remote IT-infrastructure and local IT equipment (workstations, router, VPN) and works according to the Shanghai INESA intelligent Electronics Co., Ltd. defined processes. The activities of the site are wafer testing, wafer sawing and back grinding, module packaging, module testing and pre-personalization, warehousing, and secure physical shipment to the client.

The site activities could be related to Phase 3 and Phase 4 of the seven phases of the Lifecycle Model as defined in [PP].

The site has been evaluated by SGS Brightsight B.V. located in Delft, The Netherlands. The evaluation was completed on 14 August 2023 with the approval of the ETR. The certification procedure has been conducted in accordance with the provisions of the Netherlands Scheme for Certification in the Area of IT Security [NSCIB].

The scope of the evaluation is defined by the Site Security Target [SST], which identifies assumptions made during the evaluation and the level of confidence (evaluation assurance level) the site is intended to satisfy for product evaluations. Users of this site certification are advised to verify that their own use of, and interaction with, the site is consistent with the Site Security Target, and to give due consideration to the comments, observations and recommendations in this certification report.

The results documented in the Evaluation Technical Report [ETR]<sup>1</sup> and [STAR]<sup>2</sup> for this site provide sufficient evidence that this site meets the EAL6 assurance components ALC\_CMC.5, ALC\_CMS.5, ALC\_DVS.2 (at AVA\_VAN.5 level), and ALC\_LCD.1.

The evaluation was conducted using the Common Methodology for Information Technology Security Evaluation, Version 3.1 Revision 5 [CEM] and the Supporting Document Guidance: CCDB-2007-11-001 Site Certification, October 2007, Version 1.0, Revision 1 [CCDB], for conformance to the Common Criteria for Information Technology Security Evaluation, Version 3.1, Revision 5 [CC].

TrustCB B.V., as the NSCIB Certification Body, declares that the evaluation meets all the conditions of the Common Criteria and that the site certificate will be included on the NSCIB Certificates list. Note that the certification results apply only to the specific site, used in the manner defined in the [SST] or [SST-Lite].

---

<sup>1</sup> The Evaluation Technical Report contains information proprietary to the developer and/or the evaluator, and is not available for public review.

<sup>2</sup> The Site Technical Audit Report contains information necessary to an evaluation lab and certification body for the reuse of the site audit report in a TOE evaluation.

## 2 Certification Results

### 2.1 Site Identification

The Target of Evaluation (TOE) for this evaluation is the INESA Shanghai located in Shanghai, China P.R.

### 2.2 Scope: Physical

This site certification considers two buildings in a single location occupied only by Shanghai INESA intelligent Electronics Co., Ltd.

The area where the relevant activities take place is limited to.

- Office/Wafer Manufacture building:
  - The wafer manufacturing part: in total 4 floors
  - Raw material warehouse (1st floor)
  - Die bank (1st floor)
  - Wafer testing (2nd floor)
  - Wafer sawing and back grinding (1st floor)
  - Secure IT server room (2nd floor)
  - Security guard room (2nd floor)
  - Finished-good and scrap warehouse (2nd floor)
  - The office part: in total 5 floors
  - HR management room (2nd floor)
  - IT server room (3rd floor)
- Module Manufacturing building: in total 2 floors
  - Finished good warehouse (1st floor)
  - Module packaging (1st floor)
  - Module testing and pre-personalization (1st floor)
  - Security guard room (1st floor)

In addition to the above security areas, the fences/walls of the campus, outer walls of the buildings, access control system, and the CCTV systems are in the physical scope.

### 2.3 Scope: Logical

The site performs secure production activities related to security ICs in accordance with client instructions. The activities at INESA Shanghai site are wafer testing, wafer sawing and back grinding, module packaging, module testing and pre-personalization, warehousing, and secure physical shipment to the client.

For smartcard products, these activities could be related to Phase 3 and/or Phase 4 of the seven phases of the Lifecycle Model in [PP].

Within those phases, the site is involved in:

- ALC\_DVS to control access to the assets (at AVA\_VAN.5 level)
- ALC\_CMC/CMS to handle the site internal documentation and TOE development-related configuration items
- ALC\_LCD as part of TOE development and testing

This site does not have a direct role in ALC\_DEL or ALC\_TAT and therefore those activities in an associated TOE evaluation are not impacted by the operations of this site.

## 2.4 Evaluation Approach

The site was previously audited and certified as NSCIB-SS-21-210064 on 18 August 2021. The previous evaluation was performed by the same ITSEF as in the current evaluation. Previous evaluation evidence was not re-used, but it was noted that there have been no significant changes.

In the evaluation all evaluator actions, including an in-person site visit, have been performed. For assessment of the ALC\_DVS aspects, the Minimum Site Security Requirements [MSSR] have been used.

## 2.5 Evaluation Results

The evaluation lab documented its evaluation results in the [ETR]<sup>3</sup>, which references other evaluator documents. To support reuse of the site evaluation activities a derived document [STAR]<sup>4</sup> was provided and approved. This document provides details of the site evaluation that must be considered when this site is used in a product evaluation.

The evaluation lab concluded that the site meets the assurance requirements listed in the [SST] as assessed in accordance with [CC], [CEM] and [CCDB].

## 2.6 Comments/Recommendations

The Site Security Target [SST] contains necessary information about the usage of the site. During a product evaluation, the evidence for fulfilment of the Assumptions listed in the [SST] shall be examined by the evaluator of the product when reusing the results of this site evaluation.

---

<sup>3</sup> The Evaluation Technical Report contains information proprietary to the developer and/or the evaluator, and is not available for public review.

<sup>4</sup> The Site Technical Audit Report contains information necessary to an evaluation lab and certification body for the reuse of the site audit report in a TOE evaluation.

### 3 Site Security Target

The Site Security Target INESA Shanghai, YDZNCC-ZD, v1.6, 27 April 2023 [SST] is included here by reference.

Please note that for the need of publication a public version [SST-lite] has been created and verified according to [ST-SAN].

### 4 Definitions

This list of acronyms and definitions contains elements that are not already defined by the CC or CEM:

IT	Information Technology
ITSEF	IT Security Evaluation Facility
JIL	Joint Interpretation Library
MSSR	Minimum Site Security Requirements
NSCIB	Netherlands Scheme for Certification in the area of IT Security
TOE	Target of Evaluation



## 5 Bibliography

This section lists all referenced documentation used as source material in the compilation of this report.

- [CC] Common Criteria for Information Technology Security Evaluation, Parts I, II and III, Version 3.1 Revision 5, April 2017
- [CCDB] Supporting Document Guidance: CCDB-2007-11-001 Site Certification, October 2007, Version 1.0, Revision 1
- [CEM] Common Methodology for Information Technology Security Evaluation, Version 3.1 Revision 5, April 2017
- [ETR] Evaluation Technical Report Site Audit INESA Shanghai, 23-RPT-714, v2.0, 11 August 2023
- [MSSR] Joint Interpretation Library, Minimum Site Security Requirements, Version 3.0, February 2020
- [NSCIB] Netherlands Scheme for Certification in the Area of IT Security, Version 2.6, 02 August 2022
- [PP] Security IC Platform Protection Profile with Augmentation Packages, BSI-CC-PP-0084-2014, Revision 1.0, 13 January 2014
- [SST] Site Security Target INESA Shanghai, YDZNCC-ZD, v1.6, 27 April 2023
- [SST-lite] Site Security Target Lite INESA Shanghai, YDZNCC-ZD-lite, v1.6, 03 August 2023
- [ST-SAN] ST sanitising for publication, CC Supporting Document CCDB-2006-04-004, April 2006
- [STAR] Site Technical Audit Report INESA Shanghai, 23-RPT-715, v2.0, 11 August 2023

(This is the end of this report.)