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## CERTIFICATION REPORT

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|------------|-------------------------------------------------------------------------------|
| Dossier #  | <b>2022-2</b>                                                                 |
| TOE        | <b>Eternal Packaging Centre Shanghai</b>                                      |
| Applicant  | <b>91310000MA1GCCW216 - Shanghai Eternal Information Electronics Co. Ltd.</b> |
| References |                                                                               |
|            | [EXT-7547] Certification Request                                              |
|            | [EXT-7687] Evaluation Technical Report                                        |

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Certification report of the site Eternal Packaging Centre Shanghai, as requested in [EXT-7547] dated 14/01/2022, and evaluated by Applus Laboratories, as detailed in the Evaluation Technical Report [EXT-7687] received on 08/04/2022.

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## EXECUTIVE SUMMARY

This document constitutes the Certification Report for the certification file of the site Eternal Packaging Centre Shanghai.

The following service and/or processes provided by EPCS are in the scope of the evaluation process:

- Reception, identification, registration, and storage of sawn wafers
- Assembly into modules
- Functional testing of finished modules (physical- electrical testing)
- Warehousing and dispatch of finished modules
- Scrap and rejects handling

**Developer/manufacturer:** Shanghai Eternal Information Electronics Co. Ltd.

**Sponsor:** Shanghai Eternal Information Electronics Co. Ltd..

**Certification Body:** Centro Criptológico Nacional (CCN).

**ITSEF:** Applus Laboratories.

**Protection Profile:** No.

**Evaluation Level:** Common Criteria v3.1 R5

To re-use certified ALC components in evaluations up to EAL5 + ALC\_DVS.2 + AVA\_VAN.5

**Security Assurance Components:** ALC\_CMC.4, ALC\_CMS.5, ALC\_DVS.2, ALC\_LCD.1, AST\_CCL.1, AST\_ECD.1, AST\_INT.1, AST\_OBJ.1, AST\_REQ.1, AST\_SPD.1 and AST\_SSS.1.

**Resistance to Attack Potential:** High.

**Evaluation end date:** 17/05/2022.

**Re-use expiration date:** 22/03/2024<sup>1</sup>.

All the assurance components required by the evaluation have been assigned a “PASS” verdict are resistant to attackers with a High attack potential. Consequently, the laboratory Applus Laboratories assigns the “PASS” VERDICT to the whole evaluation due all the evaluator actions are

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<sup>1</sup> This audit was performed as a virtual site audit according to [IT-013] and [JIL-COVID] policies, and therefore the re-use of evaluation activities is limited at most to 24 months since the site audit date (21/03/2022 – 22/03/2022) as this site has been previously certified by means of an on-site audit by this Certification Body.

satisfied, as defined by the Common Criteria v3.1 R5, the supporting document guidance CCDB-2007-11-001 Site Certification [SCER] and the JIWG supporting document Minimum site security requirements [MSSR].

The assurance components are chosen in order to re-use the results in evaluations up to EAL5 + ALC\_DVS.2 + AVA\_VAN.5. It has been assumed that the security measures are resistant to attacks performed by attackers with a *High* attack potential.

**Note:**

The site does not provide services that are covered by ALC\_TAT.2 as no development activities are carried out in the site.

The site does not provide contributions to ALC\_DEL.1 as no deliveries are done to the client.

Considering the obtained evidences during the instruction of the certification request of the site Eternal Packaging Centre Shanghai, a positive resolution is proposed.

## ***SITE SUMMARY***

The Eternal Packaging Centre Shanghai is located at

No. 3576, Zhaolou Road,

Minhang District Shanghai, 201112

People's Republic of China.

The whole EPCS site, which includes part of the 1st floor, the whole 2nd floor and part of the 3rd floor of the EPCS building are in the scope of this evaluation. The site is surrounded by a fence with surveillance and secured by security guards, restrictions and access controlled from main gate. Additionally, guard services, access control system and surveillance restrict the access to EPCS production plant.

The site includes security guard room, reception area, wastes area, loading/unloading area, logistics tunnel, engineering areas, security IC encapsulation production area, visitor corridor, equipment maintenance room, raw material temporary storage room, locker room, air shower room, testing room, central control room, finished product warehouse, lead frame warehouse, raw material warehouse, semi-finished product warehouse, chip warehouse, cold warehouse, packing area, packing material area, meeting room, office room, program editing room, printing room, documentation room, backup equipment room and a room used for the storage of sundries for the site.

## ***SITE DESCRIPTION***

The following services and/or processes provided by EPCS are in the scope of the evaluation process:

- Reception, identification, registration and storage of sawn wafers

- Assembly into modules
- Functional testing of finished modules (physical- electrical testing)
- Warehousing and dispatch of finished modules
- Scrap recycle and destruction (the wasted chips will be destroyed by the authorized 3rd party)

### **TYPICAL LIFE CYCLE OF SUPPORTED TOEs**

It is assumed that product certifications which refer to this certificate are related to a TOE that follows a TOE life-cycle according to [PP84], chap. 1.2.3. The Eternal Packaging Centre Shanghai covers the Phase 4 (IC Packaging) according to [PP84].

### **SECURITY ASSURANCE REQUIREMENTS**

The site was evaluated with all the evidence required to fulfil the evaluation activities resistant to attackers with a **High** attack potential, according to Common Criteria for Information Technology Security Evaluation Version 3.1 Revision 5.

The assurance components are chosen in order to re-use the results in evaluations up to EAL5. Therefore, it has been assumed that the security measures are resistant to attacks performed by attackers with a High attack potential.

| Assurance Class                             | Assurance Components                                               |
|---------------------------------------------|--------------------------------------------------------------------|
| <b>AST: Site Security Target Evaluation</b> | AST_INT.1 SST introduction                                         |
|                                             | AST_CCL.1 Conformance claims                                       |
|                                             | AST_SPD.1 Security problem definition                              |
|                                             | AST_OBJ.1 Security objectives                                      |
|                                             | AST_ECD.1 Extended components definition                           |
|                                             | AST_REQ.1 Security assurance requirements                          |
|                                             | AST_SSS.1 Site summary specification                               |
| <b>ALC: Life-cycle support</b>              | ALC_CMC.4 Production support, acceptance procedures and automation |
|                                             | ALC_CMS.5 Development tools CM coverage                            |
|                                             | ALC_DVS.2 Sufficiency of security measures                         |
|                                             | ALC_LCD.1 Developer defined life-cycle model                       |

**Note:**

The site does not provide services that are covered by ALC\_TAT.2 as no development activities are carried out in the site.

The site does not provide contributions to ALC\_DEL.1 as no deliveries are done to the client.

## IDENTIFICATION

|                                                                     |                                                                                                                                                                |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Site Name</b>                                                    | Eternal Packaging Centre Shanghai                                                                                                                              |
| <b>Site Location</b>                                                | Shanghai Eternal Information Electronics Co. Ltd.<br>No. 3576, Zhaolou Road,<br>Minhang District Shanghai, 201112<br>People's Republic of China                |
| <b>Areas in the scope of the certificate as declared in the SST</b> | See section 2.2 of [SST]                                                                                                                                       |
| <b>Activities in the product development</b>                        | Life cycle phases: <ul style="list-style-type: none"> <li>Phase 4 [PP84] – IC Packaging</li> </ul>                                                             |
| <b>Site Security Target</b>                                         | Site Security Target Eternal Packaging Centre Shanghai, version D/3.<br>08/04/2022                                                                             |
| <b>Evaluation Level</b>                                             | Common Criteria v3.1 R5 <ul style="list-style-type: none"> <li>To re-use certified ALC components in evaluations up to EAL5 + ALC_DVS.2 + AVA_VAN.5</li> </ul> |
| <b>Security Assurance Components</b>                                | ALC_CMC.4, ALC_CMS.5, ALC_DVS.2, ALC_LCD.1, AST_CCL.1, AST_ECD.1, AST_INT.1, AST_OBJ.1, AST_REQ.1, AST_SPD.1 and AST_SSS.1.                                    |
| <b>Attack Potential</b>                                             | High                                                                                                                                                           |

## SECURITY POLICIES

Eternal Packaging Centre Shanghai shall implement a set of security policies assuring the fulfilment of different standards and security demands.

The detail of these policies is documented in the Site Security Target [SST], chapter 4.3 (Organizational Security Policies).

### **ASSUMPTIONS AND OPERATIONAL ENVIRONMENT**

Each site operating in a production flow must rely on preconditions provided by the previous site. Each site has to rely on the information received by the previous site/client. This is reflected by the assumptions that must be defined for the interface.

The detail of the assumptions considered to be applicable is documented in the Site Security Target [SST], chapter 4.4 (Assumptions).

### **CLARIFICATIONS ON NON-COVERED THREATS**

The following threats do not suppose a risk for the site Eternal Packaging Centre Shanghai, although the agents implementing attacks have a High attack potential for the Security Assurance Requirements ALC\_CMC.4, ALC\_CMS.5, ALC\_DVS.2, ALC\_LCD.1, AST\_CCL.1, AST\_ECD.1, AST\_INT.1, AST\_OBJ.1, AST\_REQ.1, AST\_SPD.1 and AST\_SSS.1, and always fulfilling the assumptions and the proper security policies satisfaction.

For any other threat not included in this list, the evaluation results of the site security properties and the associated certificate, do not guarantee any resistance.

The detail of these threats is documented in the Site Security Target [SST], chapter 4.2 (Threats).

## **DOCUMENTS**

The site evaluation has been based on the evidences listed in the chapter 4 (Evaluation evidence) of the Evaluation Technical Report of Eternal Packaging Centre Shanghai [EXT-7687].

These evidences describe the global procedures and security measures in the site. For each specific TOE, some accessory documents including specific characteristics of the TOE should be provided in addition to the above evidences.

The above evidences should be made available to ITSEFs in order to re-use the results of this certificate.

## **EVALUATION RESULTS**

The site Eternal Packaging Centre Shanghai has been evaluated against the Security Target [SST].

All the assurance components required by the evaluation have been assigned a “PASS” verdict are resistant to attackers with a High attack potential. Consequently, the laboratory Applus Laboratories assigns the “PASS” VERDICT to the whole evaluation due all the evaluator actions are

satisfied, as defined by the Common Criteria v3.1 R5, the supporting document guidance CCDB-2007-11-001 Site Certification [SCER] and the JIWG supporting document Minimum site security requirements [MSSR].

## COMMENTS & RECOMMENDATIONS FROM THE EVALUATION TEAM

The laboratory has not additional comments on the evaluation.

## CERTIFIER RECOMMENDATIONS

Considering the obtained evidences during the instruction of the certification request of the site Eternal Packaging Centre Shanghai, a positive resolution is proposed.

This Certification Report only applies to the site and its evaluated scope as indicated. The confirmed assurance components is only valid on the condition that all assumptions and preconditions required by the site, as given in this report and in the Site Security Target, are observed.

The owner of the certificate is obliged:

1. when advertising the Site Certificate or the fact of the Site Certification, to refer to the Site Certification Report as well as to provide the Site Certification Report and the Site Security Target and documentation mentioned herein to any client for the application and proper usage of the certified site,
2. to inform this Certification Body immediately about vulnerabilities of the site that have been identified by the sponsor or applicant or any third party after issuance of the certificate,
3. to inform this Certification Body immediately about security relevant changes in the scope of the evaluated site, e.g. changes related to the logical and physical development and production environment, to processes, and to services of the site.

In case of changes to the certified site, the validity can be extended to the changed site, provided the sponsor applies for assurance continuity (i.e. re-certification or maintenance) of the modified site, in accordance with the procedural requirements, and the evaluation does not reveal any security deficiencies.

## RE-USE OF THE SITE CERTIFICATE

The re-use of this Site Certificate is limited to the extent defined in the Spanish Certification Body (CCN) Technical Interpretation "IT-003 Instrucción técnica: reutilización de resultados mediante la certificación de centros de desarrollo" [IT003], the Supporting Document Guidance Site



Certification [SCER] and the SOG-IS Smartcard and similar devices supporting documents, such as the Minimum site security requirements [MSSR].

The results from a site certification can be re-used for product certifications. For each specific TOE, accessory documents including specific TOE characteristics should be evaluated in addition to the above specified documents. These evidences shall rely and shall be consistent with the evidences used in the site certificate evaluation and in the Site Security Target.

Currently the Recognition Agreements in place do not cover the recognition of Site Certificates. However, the evaluation process performed was outlined according to the rules of the agreements and by using the agreed supporting document on Site Certification [SCER] and [MSSR]. Therefore, the results of this evaluation and certification procedure can be re-used by the issuing scheme in a subsequent product evaluation and certification procedure.

When re-using the results of the activities that uphold this site certificate in a product evaluation, the scheme responsible for certifying the product may decide to fully recognize the results or contact this scheme to query about specific assurance activities carried out in the scope of this site certification.

## SITE CERTIFICATE VALIDITY REVIEW

In this case, and according to arrangements in SOG-IS Smart Card and similar devices technical domain, to re-use the evaluation activities that uphold this Site Certificate in a product specific evaluation, a reassessment of the assurance activities validity should be done at most 24 months after the site audit date as virtual site audit procedure of [IT-013] and [JIL-COVID] policies has been applied and this site has been previously certified by means of an on-site audit by this Certification Body. Therefore, a reassessment of the assurance activities validity should be done before 22/03/2024.

According to [JIL-COVID], despite from the 24 months mentioned, a “virtual audit” should be replaced by a regular on-site audit as soon as the restrictions of the pandemic situation and scheduling of the parties involved allows for.

## SHARED TECHNICAL AUDIT REPORT (STAR)

The evaluation activities carried out in this site certification dossier have been summarized in a Shared Technical Audit Report (STAR). This STAR has been validated by this Certification Body according to [ASAREP]. The reference of the STAR is:

- **Report name:** CC Site Technical Audit Report (STAR).
- **Report ID:** CCEETE001R2-STAR-M0.

- **Version:** M0.
- **Issue Date:** 08/04/2022
- **Issuing ITSEF:** Applus Laboratories.
- **Site audit dates:** 21-22/03/2022

The STAR report constitutes an evaluation evidence, therefore according to article 25 of Presidential Order PRE/2740/2007 which regulates the CCN Certification Body, written authorization must be requested by Applus Laboratories to the Certification Body to share any information of this certification dossier (including the STAR report) with third parties.

It is expected that if the applicant Shanghai Eternal Information Electronics Co. Ltd. is willing to share the STAR report with any third party, they may contact Applus Laboratories to perform an authorization request to the CCN Certification Body to distribute this report.

## SITE SECURITY TARGET

Along with this certification report, the complete site security target (SST) of the evaluation is stored and protected in the Certification Body premises. This document is identified as:

- Site Security Target Eternal Packaging Centre Shanghai, version D/3. Date: 2022.04.08

The public version of this document constitutes the SST Lite. The SST Lite has also been reviewed for the needs of publication according to sanitation [SANT], and it is published along with this certification report in the Certification Body. The SST Lite identifier is:

- Site Security Target Lite Eternal Packaging Centre Shanghai Version: D/3 Date: 2022.04.08

## GLOSSARY

|        |                                                     |
|--------|-----------------------------------------------------|
| CCN    | Centro Criptológico Nacional                        |
| CNI    | Centro Nacional de Inteligencia                     |
| EAL    | Evaluation Assurance Level                          |
| ETR    | Evaluation Technical Report                         |
| ITSEF  | Information Technology Security Evaluation Facility |
| JIWG   | Joint Interpretation Working Group of SOG-IS        |
| OC     | Organismo de Certificación                          |
| SOG-IS | Senior Officials Group Information Systems Security |

SST                    Site Security Target  
TOE                   Target of Evaluation

## BIBLIOGRAPHY

The following standards and documents have been used for the evaluation of the product:

[ASAREP] ISCI WG1 - ALC Site Audit Reuse Exchange Procedure, draft version 1.1. March 2018.

[CC\_P1] Common Criteria for Information Technology Security Evaluation Part 1: Introduction and general model, Version 3.1, R5 Final, April 2017.

[CC\_P2] Common Criteria for Information Technology Security Evaluation Part 2: Security functional components, Version 3.1, R5 Final, April 2017.

[CC\_P3] Common Criteria for Information Technology Security Evaluation Part 3: Security assurance components, Version 3.1, R5 Final, April 2017.

[CEM] Common Methodology for Information Technology Security Evaluation: Version 3.1, R5 Final, April 2017.

[IT-003] Instrucción técnica: reutilización de resultados mediante la certificación de centros de desarrollo. Versión 3.

[IT-013] Instrucción técnica temporal para la realización de actividades de evaluación con motivo del coronavirus COVID-19, versión 6.

[JIL-COVID] JIL Temporary Covid19 pandemic operational SOGIS evaluation and certification policy and rules, Version 1.4, February 2022.

[MSSR] Joint Interpretation Library. Minimum site security requirements. Version 3.0. Date February 2020.

[PP84] EUROSMArt's protection profile "Security IC Platform Protection Profile with Augmentation packages. Version 1.0, 2014"

[SANT] Common Criteria Recognition Arrangement. ST sanitising for publication. Document number CCDB-2006-04-004. Date April, 2006.

[SCER] Common Criteria. Supporting Document Guidance. Site Certification. Document number CCDB-2007-11-001. Version 1.0, Revision 1, Date October, 2007.

[SST] Site Security Target Eternal Packaging Centre Shanghai, version D/3