Bundesamt für Sicherheit in der Informationstechnik

Assurance Continuity Maintenance Report

BSI-DSZ-CC-0470-2008-MA-02

Infineon Smart Card IC (Security Controller) SLE66CX162PE /m1531-a25 and SLE66CX80PE /m1533-a25 both optional with RSA2048 V1.5 and ECC V1.1 and both with specific IC dedicated software

from

Infineon Technologies AG

Common Criteria Recognition
Arrangement
for components up to EAL4

The IT product identified in this report was assessed according to the *Assurance Continuity: CCRA Requirements,* version 1.0, February 2004 and the developers Impact Analysis Report (IAR). The baseline for this assessment was the Certification Report, the Security Target and the Evaluation Technical Report of the product certified by the Federal Office for Information Security (BSI) under BSI-DSZ-CC-0470-2008.

The changes to the certified product are at the level of the included development, production, delivery sites, changes in isolation edges for improvement, those changes that have no effect on assurance. The Security Target is updated editorially for the changed TOE. The identification of the maintained product is indicated by a new version number compared to the certified product.
Consideration of the nature of the change leads to the conclusion that it is classified as a minor change and that certificate maintenance is the correct path to continuity of assurance.

Therefore, the assurance as outlined in the Certification Report BSI-DSZ-CC-0470-2008 is maintained for this version of the product. Details can be found on the following pages.

This report is an addendum to the Certification Report BSI-DSZ-CC-0470-2008.

Bonn, 6 April 2009

Common Criteria

Assessment

The IT product identified in this report was assessed according to the *Assurance Continuity: CCRA Requirements* [1] and the Impact Analysis Report (IAR) [2]. The baseline for this assessment was the Certification Report of the certified product (Target of Evaluation, TOE) [3], the Security Target [4] and the Evaluation Technical Report as outlined in [5]. The Security Target [4] is updated editorially for the changed TOE.

The vendor for the Infineon Smart Card IC (Security Controller) SLE66CX162PE /m1531-a25 and SLE66CX80PE /m1533-a25 both optional with RSA2048 V1.5 and ECC V1.1 and both with specific IC dedicated software, Infineon Technologies AG, submitted an IAR [2] to the BSI for approval. The IAR is intended to satisfy the requirements outlined in the document *Assurance Continuity: CCRA Requirements* [1]. In accordance with those requirements, the IAR describes (i) the changes made to the certified TOE, (ii) the evidence updated as a result of the changes and (iii) the security impact of the changes.

The Infineon Smart Card IC (Security Controller) SLE66CX162PE /m1531-a25 and SLE66CX80PE /m1533-a25 both optional with RSA2048 V1.5 and ECC V1.1 and both with specific IC dedicated software were changed due to improvement of the isolation edges and inclusion of the development, production and delivery sites. The changes are not significant from the standpoint of security, however Configuration Management procedures required a change in the version number from a24 to a25.

The Common Criteria assurance requirements

 – ACM – Configuration management (i.e. ACM_AUT.1, ACM_CAP.4, ACM_SCP.3),
 – ADO – Delivery and operation (i.e. ADO_DEL.2, ADO_IGS.1) and
 – ALC – Life cycle support (i.e. ALC_DVS.2, ALC_LCD.2, ALC_TAT.2),

are fulfilled for the audited sites of the TOE listed completely below:

Site	Address	Function
Altis-Toppan	Toppan Photomask, Inc. European Technology Center Boulevard John Kennedy 224 91105 Corbeil Essonnes Cedex, France	Mask Center
Amkor	Amkor Technology Philippines Km. 22 East Service Rd. South Superhighway Muntinlupa City 1702 Philipines Amkor Technology Philippines 119 North Science Avenue Laguna Technopark, Binan Laguna 4024, Philipines	Module Mounting
Augsburg	Infineon Technologies AG Secure Mobile Solutions Alter Postweg 101 86159 Augsburg, Germany	Development

Site	Address	Function
Bangkok	Smartrac Technology, 142 Moo 1 Hi-Tech industrial Estate, Ban Laean, Bang, Pa-In Phra na korn Si Ayatthaya, 13160 Thailand	Inlay Antenna Mounting
Bucharest	Infineon Technology AG Bd. Dimitrie Pompeiu 6, Sector 2 020335 Bucharest, Romania	Development
Dresden	Infineon Technologies Dresden GmbH & Co. OHG Königsbrücker Str. 180 01099 Dresden, Germany	Production
Dresden-Toppan	Toppan Photomask, Inc Rähnitzer Allee 9 01109 Dresden, Germany	Mask Center
Erfurt	Assa Abloy Identification Technologies GmbH (former Sokymat GmbH) In den Weiden 4b, 99099 Erfurt	Module Mounting with Inlay Antenna Mounting
Graz / Villach / Klagenfurt	Infineon Technologies Austria AG Development Center Graz Babenbergerstr. 10 8020 Graz, Austria Infineon Technologies Austria AG Siemensstr. 2 9500 Villach, Austria Infineon Technologies Austria AG Lakeside B05 9020 Klagenfurt, Austria	Development
Großostheim	Infineon Technology AG, DCE, Kühne & Nagel Stockstädter Strasse 10 - Building 8A 63762 Großostheim, Germany	Distribution Center
Hayward	Kuehne & Nagel 30805 Santana Street Hayward, CA 94544 U.S.A.	Distribution Center
Lustenau	New Logic Technologies AG, - A Wipro Company, Millenium Park 6, 6890 Lustenau, Austria	Development
Munich	Infineon Technologies AG Am Campeon 1-12 85579 Neubiberg, Germany Infineon Technologies AG Otto-Hahn-Ring 6 81739 München (Perlach), Germany	Development
Regensburg-West	Infineon Technologies AG Wernerwerkstraße 2 93049 Regensburg, Germany Smartrac Technology GmbH, Wernerwerkstraße 2 93049 Regensburg, Germany	Module Mounting Inlay Antenna Mounting, Distribution Center
Singapore	DHL Exel Singapore Pte Ltd Richland Business Center 11 Bedok North Ave 4 Singapore	Distribution Center

Site	Address	Function
Singapore Kallang	Infineon Technologies AG 168 Kallang Way Singapore 349253	Module Mounting
Tokyo	Kintetsu World Express, Inc. Tokyo Import Logistics Center Narita Terminal Tokyo, Japan	Distribution Center
Wuxi	Infineon Technologies (Wuxi) Co. Ltd. No. 118, Xing Chuang San Lu Wuxi-Singapore Industrial Park Wuxi 214028, Jiangsu, P.R. China	Module Mounting, Distribution Center

The changes to the certified product are at the level of the included development, production, delivery sites, changes in isolation layer for improvement, those changes that have no effect on assurance.

Conclusion

The changes to the certified product are at the level of the included development, production and delivery sites and changes in isolation edges for yield improvement, those changes that have no effect on assurance. Examination of the evidence indicates that the changes performed are limited to the improvement of the isolation edges and limited to the inclusion of the additional development and production sites as listed above. The Security Target [4] is updated editorially for the changed TOE. Consideration of the nature of the change leads to the conclusion that it is classified as a minor change and that certificate maintenance is the correct path to continuity of assurance.

Therefore, BSI agrees that the assurance as outlined in the Certification Report [3] is maintained for this version of the product. Additional Note: The strength of the cryptographic algorithms was not rated in the course of the product certification and this maintenance procedure (see BSIG Section 4, Para. 3, Clause 2). In addition to the baseline certificate BSI notes, that cryptographic functions with a security level of 80 bits or lower can no longer be regarded as secure against attacks with high attack potential without considering the application context. Therefore, for these functions it shall be checked whether the related crypto operations are appropriate for the intended system. Some further hints and guidelines can be derived from the 'Technische Richtlinie BSI TR-02102' (www.bsi.bund.de). This report is an addendum to the Certification Report [3].

References

[1] Common Criteria document CCIMB-2004-02-009 "Assuarance Continuity: CCRA Requirements", version 1.0, February 2004

[2] Impact Analysis, SLE66CX162PE M1531-a25, SLE66CX80PE M1533-a25 both with optional libraries, Version 1.3, 2009-03-17 (confidential document)

[3] Certification Report BSI-DSZ-CC-0470-2008 for Infineon Smart Card IC (Security Controller) SLE66CX162PE /m1531-a24 and SLE66CX80PE / m1533-a24 both optional with RSA2048 V1.5 and ECC V1.1 and both with specific IC dedicated software, Bundesamt für Sicherheit in der Informationstechnik, 2008-08-08

[4] Security Target, Security Chipcard ICs SLE66CX162PE m1531-a25, SLE66CX80PE m1533-a25 both with optional libraries RSA2048 V1.5 and ECC V1.1, 17. March 2009, Version 1.4, Infineon Technologies AG

[5] EVALUATION TECHNICAL REPORT (ETR), SLE66CX162PE / m1531-a24, SLE66CX80PE / m1533-a24, both with RSA2048 V1.5 and ECC 1.1 Version 2, 2008-07-21 (Confidential document)