



Assurance Continuity Maintenance Report

BSI-DSZ-CC-0376-2006-MA-03

Infineon Smart Card IC (Security Controller)

**SLE88CFX4000P/M8830-b17,
SLE88CFX4002P/M8834-b17,
SLE88CFX3520P/M8847-b17,
SLE88CFX2920P/M8849-b17,
SLE88CF4000P/M8845-b17,
SLE88CF4002P/M8846-b17,
SLE88CF3520P/M8848-b17,
SLE88CF2920P/M8850-b17**

each 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-0376-2006. A reassessment proofing the resistance against high attack potential (AVA_VLA.4) has been performed at 2009-03-25 of T-Systems assessment report and was approved by BSI on 2009-04-08.

The change to the certified product is at the level of the included development, production, delivery sites, those changes that has no effect on assurance. The TOE did not change.

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-0376-2006 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-0376-2006.



Bonn, 19 May 2009

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 vendor for the Infineon Smart Card IC (Security Controller) SLE88CFX4000P/M8830-b17, SLE88CFX4002P/M8834-b17, SLE88CFX3520P/M8847-b17, SLE88CFX2920P/M8849-b17, SLE88CF4000P/M8845-b17, SLE88CF4002P/M8846-b17, SLE88CF3520P/M8848-b17, SLE88CF2920P/M8850-b17 each 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) SLE88CFX4000P/M8830-b17, SLE88CFX4002P/M8834-b17, SLE88CFX3520P/M8847-b17, SLE88CFX2920P/M8849-b17, SLE88CF4000P/M8845-b17, SLE88CF4002P/M8846-b17, SLE88CF3520P/M8848-b17, SLE88CF2920P/M8850-b17 each with specific IC Dedicated Software was rated by the evaluation facility with a new version of the ETR [5] and ETR for Composition [6]. 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 (former DuPont)	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 Philippines Amkor Technology Philippines 119 North Science Avenue Laguna Technopark, Binan Laguna 4024, Philippines	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(former DuPont)	Toppan Photomask, Inc Rähnitzer Allee 9 01109 Dresden, Germany	Mask Center
Erfurt (former Sokymat)	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 change to the TOE is at the level of the evaluated and included sites. The product functionality did not change. Furthermore, the changes are not significant from the standpoint of security.

Conclusion

The TOE was rated by the evaluation facility with a new version of the ETR [5] and ETR for Composition [6]. The changes to the TOE are at the level of the included sites, those changes that have no effect on assurance. Examination of the evidence indicates that the changes required are limited to inclusion of the additional development and production sites as listed above. The Security Target [4] is still valid 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, SLE88CFX4000P M8830-b17, SLE88CFX4002P M8834-b17, SLE88CFX3520P M8847-b17, SLE88CFX2920P M8849-b17, SLE88CF4000P M8845-b17, SLE88CF4002P M8846-b17, SLE88CF3520P M8848-b17, SLE88CF2920P M8850-b17, Version 1.3, 2009-05-15 (confidential document)
- [3] Certification Report BSI-DSZ-CC-0376-2006 for Infineon Smart Card IC (Security Controller) SLE88CFX4000P/m8830b17, SLE88CFX4002P/m8834b17, SLE88CFX3520P/m8847b17, SLE88CFX2920P/m8849b17, SLE88CF4000P/m8845b17, SLE88CF4002P/m8846b17, SLE88CF3520P/m8848b17, SLE88CF2920P/m8850b17 each with PSL V0.50.23_E107 or PSL V0.50.23_E110 and specific IC Dedicated Software from Infineon Technologies AG, 21 June 2006, Bundesamt für Sicherheit in der Informationstechnik
- [4] Security Target, Security and Chipcard ICs, SLE88CFX4000P / m8830, Version 1.3, 25-04-2006 Infineon Technologies AG
- [5] EVALUATION TECHNICAL REPORT (ETR), BSI-DSZ-CC-0376, Version 1.33, 25.03.2009-03-25 from T-Systems (Confidential document)
- [6] ETR-lite for composition according to AIS36, BSI-DSZ-CC-0376, Version 1.31, 25.03.2009-03-25 from T-Systems (Confidential document)