



Assurance Continuity Maintenance Report

BSI-DSZ-CC-0245-2005-MA-01

LSI module for Smart Card

SM4128(V3) A7step

from

Sharp Corporation



Common Criteria Arrangement

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-0245-2005.

The changes to the certified product are at the level of wire routing, its basic electrical circuits, adjusting a lock range of PLL and mask set modifications, changes that have no effect on assurance. 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-0245-2005 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-0245-2005.

Bonn, 28 March 2006



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 TOE [3], the Security Target [4] and the Evaluation Technical Report as outlined in [3].

The vendor for the SM4128(V3) A7step, Sharp Corporation, submitted an IAR [2] to the BSI for approval. The IAR is intended to satisfy requirements outlined in the document *Assurance Continuity: CCRA Requirements* [1]. In accordance with those requirements, the IAR describes the changes made to the certified TOE, the evidence updated as a result of the changes and the security impact of the changes.

The SM4128(V3) was changed due to error corrections and due to production process reasons. The changes are not significant from the standpoint of security, however Configuration Management procedures required a change in the version number from SM4128(V3) A5step to SM4128(V3) A7step.

Conclusion

The change to the TOE is at the level of wire routing, its basic electrical circuits, adjusting a lock range of PLL and mask set modifications, changes that has no effect on assurance. Examination of the evidence indicates that the changes required are limited to the identification of specific parts of the implementation representation, masks sets, new evidence on testing and thus of the TOE. 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. This report is an addendum to the Certification Report [3].

References

- [1] Common Criteria document CCIMB-2004-02-009 "Assurance Continuity: CCRA Requirements", version 1.0, February 2004
- [2] Impact analysis SM4128 A5-A7, Version 1.0.0, 22 March 2006 (confidential document)
- [3] Certification Report BSI-DSZ-CC-0245-2005 for SM4128(V3) A5step module, Bundesamt für Sicherheit in der Informationstechnik, 20.09.2005
- [4] Security Target BSI-DSZ-0245-2005, Version 1.8.5, March 29th, 2005, SM4128(V3) LSI FOR USE IN NATIONAL IDS AND PASSPORTS WITH SHARP SOFTWARE SECURITY TARGET,
- [5] SM4128 Configuration Items of LSI Design Gr. Ver. 1.1.0, 23 March 2006 (confidential document)