Bundesamt
für Sicherheit in der
Informationstechnik

Assurance Continuity Maintenance Report

BSI-DSZ-CC-0998-2016-MA-01

Infineon Technologies AG Trusted Platform Module SLB9670_2.0 v7.40.2098.00 and v7.41.2375.00

from

Infineon Technologies AG

SOGIS
Recognition Agreement

The IT product identified in this report was assessed according to the *Assurance Continuity: CCRA Requirements,* version 2.1, June 2012 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-0998-2016.

The change to the certified product is at the level of implementation and guidance documentation. The change has 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.

The resistance to attacks has not been re-assessed in the course of this maintenance process. Therefore, the assurance statement as outlined in the Certification Report BSI-DSZ-CC-0998-2016 dated 28 January 2016 is of relevance and has to be considered when using the product. Details can be found on the following pages.

This report is an addendum to the Certification Report BSI-DSZ-CC-0998-2016.

Common Criteria
Recognition Arrangement
for components up to
EAL 4

Bonn, 31 May 2016

The Federal Office for Information Security

DAkkS
Deutsche
Akkreditierungsstelle
D-ZE-19615-01-00

Bundesamt für Sicherheit in der Informationstechnik
Godesberger Allee 185-189 - D-53175 Bonn - Postfach 20 03 63 - D-53133 Bonn
Phone +49 228 99 9582-0 - Fax +49 228 9582-5477 - Infoline +49 228 99 9582-111

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

The vendor for the Infineon Technologies AG Trusted Platform Module SLB9670_2.0 v7.40.2098.00 and v7.41.2375.00, 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 Technologies AG Trusted Platform Module SLB9670_2.0 v7.40.2098.00 and v7.41.2375.00 was added with version number v7.41.2375.00. The modification of the TPM2.0 software version v7.41.2375.00 to the version v7.40.2098.00 was minor, with the objective of correcting the way the electrical configuration of the PIRQ# pin of the chip is set in the firmware. Configuration Management procedures required a change in the product identifier.

The changes are also related to an update of the user guidance [6] and [8]. The changes in the user guidance provide some additional or updated information but do not affect the assurance.

Conclusion

The change to the TOE is at the level of implementation and guidance documentation. The change has no effect on assurance. As a result of the changes the configuration list for the TOE has been updated [5].

The Security Target was editorially updated [7].

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.

The resistance to attacks has not been re-assessed in the course of this maintenance process. Therefore, the assurance statement as outlined in the Certification Report BSI-DSZ-CC-0998-2016 dated 28 January 2016 is of relevance and has to be considered when using the product.

Additional obligations and notes for the usage of the product:

All aspects of assumptions, threats and policies as outlined in the Security Target not covered by the TOE itself need to be fulfilled by the operational environment of the TOE.

The customer or user of the product shall consider the results of the certification within his system risk management process. In order for the evolution of attack methods and techniques to be covered, he should define the period of time until a re-assessment for the TOE is required and thus requested from the sponsor of the certificate.

Some security measures are partly implemented in the hardware and require additional configuration or control or measures to be implemented by the IC Dedicated Support Software or Embedded Software.

For this reason the TOE includes guidance documentation which contains guidelines for the developer of the IC Dedicated Support Software and Embedded Software on how to securely use the microcontroller chip and which measures have to be implemented in the software in order to fulfil the security requirements of the Security Target of the TOE.

This report is an addendum to the Certification Report [3].

References

[1] Common Criteria document “Assurance Continuity: CCRA Requirements”, version 2.1, June 2012

[2] Evaluation Documentation SLB9670_2.0 Impact Analysis, Infineon Technologies AG, Version 1.2, 14 April 2016 (confidential document)

[3] Certification Report BSI-DSZ-CC-0998-2016 for Infineon Technologies AG Trusted Platform Module SLB9670_2.0 v7.40.2098.00, Bundesamt für Sicherheit in der Informationstechnik, 28 January 2016

[4] Security Target BSI-DSZ-CC-0998, Version 1.0, Security Target, Trusted Platform Module SLB9670_2.0, Infineon Technologies AG, 6 November 2015

[5] Evaluation Documentation SLB9670_2.0 Configuration Management Version 0.3, 14 April 2016 (confidential document)

[6] Trusted Platform Module TPM SLB9670 TCG Family 2 Level 00 Rev. 01.16, Databook, Infineon Technologies AG, Revision 1.5, 8 April 2016

[7] Trusted Platform SLB9670_2.0 Security Target, Infineon Technologies AG, V1.1, 14 April 2016

[8] TPM Trusted Platform Module Version 2.0 Errata and Updates, Infineon Technologies AG, Revision 1.5, 11 April 2016