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Assurance Continuity Maintenance Report

Crypto Library V1.0 on P60x080/052/040PVC/PVC(Y)

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CONTENTS:

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Summary

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. The baseline for this assessment was the Certification Report, the Security Target and the Evaluation Technical Report of the product certified by the NSCIB under NSCIB-CC-12-36243.

The changes to the certified product are related to additional usage in combination with the updated NXP Smartcard controller family P60x080/052/040PVC(Y) that has been certified by BSI in a maintenance procedure of the hardware. There are no changes in the Crypto Library software. The identification of the maintained product is modified to Crypto Library V1.0 on P60x080/052/040PVC/PVC(Y) to include the updated controller family.

Consideration of the nature of the changes leads to the conclusion that they can be classified as minor changes 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 as outlined in the Certification Report NSCIB-CC-12-36243-CR dated 29 July 2013 is maintained for the new version of the product.

This report is an addendum to the Certification Report NSCIB-CC-12-36243-CR and reproduction is authorized provided the report is reproduced in its entirety.

1   Assessment

1.1   Introduction

The IT product identified in this report was assessed according to the Assurance Continuity: CCRA Requirements *[AC]* and the provided 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 *[NSCIB]* under NSCIB-CC-12-36243 as outlined in *[CR]*.

The vendor for the NXP Crypto Library V1.0 on P60x080/052/040PVC is NXP Semiconductors Germany GmbH, Business Unit Identification and on 13 March 2014 they submitted a request for assurance maintenance to the NSCIB with an *[IAR]* for assessment and approval. The *[IAR]* is intended to satisfy the requirements outlined in the document Assurance Continuity: CCRA Requirements *[AC]*. 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.

1.2   Description of Changes

The Crypto Library V1.0 on P60x080/052/040PVC is a composite product consisting of the Crypto Library V1.0 and the NXP SmartMX2 P60x080/052/040PVC Secure Smart Card Controller. The original evaluation of the TOE was conducted as a composite evaluation and used the results of the CC evaluation of the underlying NXP SmartMX2 P60x080/052/040PVC Secure Smart Card Controller certified under the German CC Scheme on June 24, 2013 (BSI-DSZ-CC-0837 *[HW CERT]*).

The changes to the certified product as described in the *[IAR]* are only related to additional usage in combination with the updated NXP Smartcard controller family P60x080/052/040PVC(Y) that has been certified by BSI in a maintenance procedure of the hardware *[HW-MA]*. The update to the controller family contains changes related to yield improvement and are at the level of chip configuration and of specific identification numbers. These chip level changes were classified by BSI as minor changes with no impact on security.

There are no changes in the Crypto Library software.

Configuration Management procedures required a change in the product identifier. Therefore the name was modified to Crypto Library V1.0 on P60x080/052/040PVC/PVC(Y) to include the updated controller family. An update of the guidance documentation is not needed.

The configuration list for the TOE has been updated as a result of the changes to include the updated Security Target *[ST]*

2   Conclusion

Consideration of the nature of the changes leads to the conclusion that they can be classified as minor changes 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 as outlined in the Certification Report NSCIB-CC-12-36243-CR dated 29 July 2013 is maintained for this version of the product.

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3 Bibliography

This section lists all referenced documentation used as source material in the compilation of this report:

[AC]	Common Criteria document "Assurance Continuity: CCRA Requirements", version 2.1, June 2012
[CR]	Certification Report Crypto Library V1.0 on P60x080/052/040PVC, NSCIB-CC-12-36243-CR dated 29 July 2013
[IAR]	NXP SmartMX2 Crypto Library V1.0 on P60x080/052/040PVC Impact Analysis Report, Rev. 0.4, February 26 2014, NSCIB-CC-12-36243 (confidential document)
[HW-CERT]	Certification Report. NXP Secure Smart Card Controller P60x080/052/040PVC, BSI-DSZ-CC-0837-2013, June 24, 2013
[HW-MA]	Assurance Continuity Maintenance Report, NXP Smart Card Controller P60x080/052/040PVC(y) and P60x080/052/040PVC(y) with IC dedicated Software, BSI-DSZ-CC-0837-2013-MA-01, 4 February 2014
[NSCIB]	Nederlands Schema for Certification in the Area of IT Security, Version 2.1, August 1st, 2011.
[ST]	Security Target, Crypto Library V1.0 on P60x080/052/040PVC/PVC(Y), Rev 1.2, 11 April 2014

(This is the end of this report).