Assurance Continuity Maintenance Report

Firmware Libraries V2.0 and V2.0.1 on P40C008/012/024/040/072 VD/VE

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Summary

The IT product identified in this report was assessed according to the Assurance Continuity: CCRA Requirements *[AC]*, the developer's Impact Analysis Report *[IAR],* and the evaluator's IAR Analysis *[IA]*. 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-15-65156 in *[CR]*.

The changes to the certified product are related to a minor change in the software not impacting the security functionality of the certified product. The identification of the maintained product now includes Firmware Libraries V2.0 and V2.0.x on P40C008/012/024/040/072 VD/VE with the 'x' currently being only a '1'.

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 the 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 *[CR]* is maintained for the new version of the product.

This report is an addendum to the Certification Report NSCIB-CC-15-65156-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-15-65156 as outlined in *[CR]*.

The developer submitted a request for assurance maintenance for the Firmware Libraries V2.0 and V2.0.x on P40C008/012/024/040/072 VD/VE is NXP Semiconductors Germany GmbH.

NSCIB has assessed the *[IAR]* according to 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.

This is supported by the evaluator's IAR Analysis *[IA].*

1.2 Description of Changes

The Firmware Libraries V2.0 and V2.0.x on P40C008/012/024/040/072 VD/VE is a firmware library (cryptographic library plus supportive libraries) composed on already certified hardware. The original evaluation of the TOE was conducted as a composite evaluation and used the results of the CC evaluation of the underlying hardware certified under the Dutch CC Scheme as described in *[HW CERT]*.

The changes to the certified product as described in the *[IAR]* are only related to minor change in the HAL subsystem of the firmware. This update to the firmware was classified by developer *[IAR]* and original evaluator *[IA]* as minor changes with no impact on security.

Configuration Management procedures required a change in the product identifier. Therefore the name was modified to Firmware Libraries V2.0 and V2.0.x on P40C008/012/024/040/072 VD/VE to include the updated software component. Currently the 'x' can only be a '1'

An update of the guidance documentation and the *[ST]* was needed due to the addition of the V2.0.1 libraries.

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 *[CR]* is maintained for this version of the product.

3 Bibliography

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

[AC]	Assurance Continuity: CCRA Requirements, 2012-06-01, Version 2.1, June 2012
[CR]	Certification Report Firmware Libraries V2.0 on P40C008/012/024/040/072 VD/VE, NSCIB-CC-15-65156, December 22th, 2015
[IA]	16-LTR-099/08817, April 5, 2016
[IAR]	Firmware Libraries V1.2.1 and V2.0.1 on P40C008/012/024/040/072 VE, Impact Analysis Report – FWLibs v1.2 versus v1.2.1 and v2.0 versus v2.0.1, Rev. 0.4 – 26 January 2016 (confidential document)
[HW-CERT]	Certification Report NXP P40C008/012/024/040/072 VD/VE, Revision 1.0, 18 August 2015
[NSCIB]	Netherlands scheme for certification in the area of IT security, Version 2.1, August1st, 2011.
[ST]	Firmware Libraries V2.0 and V2.0.x on P40C008/012/024/040/072 VD/VE Security Target, 0.8, NXP Semiconductors, 02 March 2016.

(This is the end of this report).