

Assurance Continuity Maintenance Report

NXP JCOP 5.2 on SN100.C58 Secure Element

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Report number: **NSCIB-CC-0023577-3MA3**

Report version: **1**

Project number: **0023577-3m3**

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Date: **30 November 2021**

Number of pages: **5**

Number of appendices: **0**



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1 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 evaluator's assessment [pETR]. The baseline for this assessment was the Certification Report [CR], the previous maintenance reports [MA1] and [MA2], the Security Target and the Evaluation Technical Report of the product certified by the NSCIB under NSCIB-CC-21-0023577.

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 is modified to NXP JCOP 5.2 on SN100.C58 Secure Element, and the configuration "JCOP 5.2 R3.01.1-2" has been added.

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 the new version of the product.

This report is an addendum to the Certification Report NSCIB-CC-0023577-CR3 [CR], together with the previous maintenance reports [MA1] and [MA2], and reproduction is authorised provided the report is reproduced in its entirety.

2 Assessment

2.1 Introduction

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 evaluator's assessment [pETR]. The baseline for this assessment was the Certification Report [CR], the Security Target and the Evaluation Technical Report of the product certified by the NSCIB under NSCIB-CC-21-0023577 and previously maintained under NSCIB-CC-0023577-3MA1 and NSCIB-CC-0023577-3MA2.

On 03 November 2021 NXP Semiconductors Germany GmbH submitted a request for assurance maintenance for the NXP JCOP 5.2 on SN100.C58 Secure Element.

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 assessment [pETR].

2.2 Description of Changes

The TOE is a composite TOE, consisting of a Java Card smart card operating system and an underlying platform. 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 as described in [HW CERT].

The changes to the certified product as described in the [IAR] are only related to the introduction of patch code to configuration "JCOP 5.2 R3.01.1" resulting in configuration "JCOP 5.2 R3.01.1-2" (note this patch is applied independently of the patch identified as JCOP 5.2 R3.01.1-1). This update to the software was classified by developer [IAR] and original evaluator [pETR] as minor changes with no impact on security.

Configuration Management procedures required a change in the product identifier. The name remains unchanged as NXP JCOP 5.2 on SN100.C58 Secure Element, but includes the configuration "JCOP 5.2 R3.01.1-2" relating to the updated software component. An update of the guidance documentation was also provided to describe the identification method for new configuration ([UGMR3.01.1-2], [UGCSPR3.01.1-2] and [UGMSEM3.01.1-2]).

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

3 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.

4 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 NXP JCOP 5.2 on SN100.C58 Secure Element, NSCIB-CC-0023577-CR3, version 1, 14 June 2021
- [pETR] Evaluator Assessment of Changes Report (EAR) NXP JCOP 5.2 on SN100.C58 Secure Element– Partial ETR, 21-RPT-1162, version 2.0, 29 November 2021
- [IAR] JCOP 5.2 R3.01.1-2 Security Impact Analysis Report, Rev 0.1, 20 October 2021
- [HW-CERT] Certification Report, SN100 Series - Secure Element with Crypto Library SN100_SE B2.1 C25/C48/C58, NSCIB-CC-174263-CR5, Report version: 1, 174263_5, 12 July 2021
- [HW-ST-LITE] SN100 Series - Secure Element with Crypto Library Security Target Lite, Rev. 3.5, 21 April 2021
- [MA1] Assurance Continuity Maintenance Report NXP JCOP 5.2 on SN100.C58 Secure Element, NSCIB-CC-0023577-3MA1, version 1, dated 18 August 2021
- [MA2] Assurance Continuity Maintenance Report NXP JCOP 5.2 on SN100.C58 Secure Element, NSCIB-CC-0023577-3MA2, version 1, dated 20 August 2021
- [NSCIB] Netherlands Scheme for Certification in the Area of IT Security, Version 2.5, 28 March 2019
- [ST] NXP JCOP 5.2 on SN100.C58 Secure Element Security Target, Rev 3.9, 26 November 2021
- [ST-Lite] NXP JCOP 5.2 on SN100.C58 Secure Element Security Target Lite, Rev 3.7, 26 November 2021
- [UGCSPR3.01.1-2] JCOP 5.2 R3.01.1-2 User Guidance Manual Addendum for CSP API, version 1.0, 13 October 2021
- [UGMR3.01.1-2] JCOP 5.2 R3.01.1-2 User Guidance Manual, version 1.1, 12 November 2021
- [UGMSEM3.01.1-2] JCOP 5.2 R3.01.1-2 User Guidance Manual Addendum for SEMS API, version 1.1, 12 November 2021

(This is the end of this report).