

Assurance Continuity Maintenance Report

NXP JCOP 5.2 on SN100.C58 Secure Element

Sponsor and developer: **NXP Semiconductors GmbH**
Troplowitzstrasse 20
22529 Hamburg
Germany

Evaluation facility: **BrightSight**
Brassersplein 2
2612 CT Delft
The Netherlands

Report number: **NSCIB-CC-0023577_2m1-MA**

Report version: **1**

Project number: **0023577_2m1**

Author(s): **Denise Cater**

Date: **23 October 2020**

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 IAR Analysis [IA]. 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-20-0023577.

The changes to the certified product are related to a minor change in the software not impacting the security functionality of the certified product although resulted in an additional TOE version and a new iteration of the TOE guidance. The identification of the maintained product is modified to NXP JCOP 5.2 on SN100.C58 Secure Element (versions R1.01.1, R2.01.1, R2.02.1 and the new R2.03.1).

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 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-CR2 [CR] 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 IAR Analysis [IA]. 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-20-0023577.

On 25 September 2020 NXP Semiconductors 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 IAR Analysis [IA].

2.2 Description of Changes

The TOE is a Java Card with GP functionality, extended with eUICC and CSP functionality. 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].

This update to the software was classified by developer [IAR] and original evaluator [IA] as minor changes with no impact on security. The changes were minor functional bugfixes in the eUICC domain and a minor change in the validation order of incoming data for the PUT KEY to allow encoding of key data as specified in GP2.3. The updates resulted in the additional TOE version JCOP 5.2 R2.03.1.

Configuration Management procedures required an additional product identifier. Therefore although the TOE name (NXP JCOP 5.2 on SN100.C58 Secure Element) was unchanged, a new version (R2.03.1) was included in the list of TOE versions in [ST] Section 1.1. To support the new version of the TOE a new iteration of the TOE guidance was also produced.

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

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-CR2, 09 July 2020.
- [IA] IAR Analysis by lab, Evaluator Analysis Report (EAR) JCOP 5.2 on SN100.C58 Secure Element, Partial ETR, 20-RPT-1032, v1.0, 8 October 2020.
- [IAR] JCOP 5.0 R2.03 – Security Impact Analysis Report, Rev 1.0, 14 September 2020 (confidential document).
- [HW-CERT] Certification Report SN100 Series - Secure Element with Crypto Library SN100_SE B2.1 C25/C48/C58, NSCIB-CC-174263-CR2, version 1.0, 18-09-2019.
- [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. 2.4, 1 October 2020.
- [ST-Lite] NXP JCOP 5.2 on SN100.C58 Secure Element Security Target Lite, Rev. 2.1, 1 October 2020.

(This is the end of this report).