

Assurance Continuity Maintenance Report

NXP JCOP 5.1 on SN100.C48 Secure Element

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CONTENTS:

1 Summary	3
2 Assessment	4
2.1 Introduction	4
2.2 Description of Changes	4
3 Conclusion	5
4 Bibliography	5

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 analysis [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 CC-19-221699 and maintained under NSCIB-CC-221699-MA.

The changes to the certified product are related to the addition of a new production site for the SN100, which is the certified platform that is part of this composite TOE. The identification of the maintained product is retained as NXP JCOP 5.1 on SN100.C48 Secure Element.

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-221699-CR2 [CR] together with Maintenance Report NSCIB-CC-221699-MA [MA1] 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 analysis [pETR]. The baseline for this assessment was the Certification Report [CR], Maintenance Report NSCIB-CC-221699-MA [MA1], the Security Target and the Evaluation Technical Report of the product certified by the NSCIB under CC-19-221699.

On 06 May 2021 NXP Semiconductors Germany GmbH submitted a request for assurance maintenance for the NXP JCOP 5.1 on SN100.C48 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 analysis [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 addition of a new production site for the SN100, which is the certified platform that is part of this composite TOE. The update was classified as minor changes with no impact on security.

These updates were classified by developer [IAR] and original evaluator [pETR] as minor changes with no impact on security.

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 5.1 eSE SN100.C48 Secure Element, NSCIB-CC-221699-CR2, version 1, 25 November 2019
- [IAR] JCOP 5.1 / JCOP 5.2 on SN100 Secure Element Impact Analysis Report, Rev. 0.2, 12 April, 2021 (confidential document)
- [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
- [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 5.1 eSE SN100.C48 Secure Element, NSCIB-CC-221699-MA, version 1, 30 January 2021
- [NSCIB] Netherlands Scheme for Certification in the Area of IT Security, Version 2.5, 28 March 2019
- [pETR] Partial ETR NXP JCOP5.1 eSE on SN100.C48 Secure Element, 21-RPT-694, v4.0, 16 August 2021
- [ST] NXP JCOP 5.1 on SN100.C48 Secure Element Security Target, rev 2.5, 16 August 2021.
- [ST-Lite] NXP JCOP 5.1 on SN100.C48 Secure Element Security Target Lite, rev 2.5, 16 August 2021

(This is the end of this report).