

Assurance Continuity Maintenance Report

NXP eDoc Suite v4.0 on JCOP4.5 P71 - cryptovision ePasslet Suite – Java Card applet configuration providing Secure Signature Creation Device with Key generation (SSCD)

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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 [EA]. The baseline for this assessment was the Certification Report [CR], the Security Target and the Evaluation Technical Report of the product certified under NSCIB, reference NSCIB-CC-2200053-02.

The changes to the certified product are related to additional usage in combination with a minor change in the software not impacting the security functionality of the certified product. The identification of the maintained product is NXP eDoc Suite v4.0 on JCOP4.5 P71 - cryptovision ePasslet Suite – Java Card applet configuration providing Secure Signature Creation Device with Key generation (SSCD).

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-2200053-02-CR [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 assessment [EA]. 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-2200053-02.

On 22 August 2024 cv cryptovision GmbH submitted a request for assurance maintenance for the NXP eDoc Suite v4.0 on JCOP4.5 P71 - cryptovision ePasslet Suite – Java Card applet configuration providing Secure Signature Creation Device with Key generation (SSCD).

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 [EA].

2.2 Description of Changes

The TOE is a Java Card with a set of applets (NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite) configured to provide a secure signature creation device (SSCD) with key generation for the creation of legally binding qualified electronic signatures and qualified electronic seals as defined in the eIDAS regulation. To allow secure access to the signature functionality over the contactless interface, it provides an optional PACE mechanism to build up a secure channel for the verification authentication data (signature password/PIN or data derived from a user's biometric characteristics).

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] remediate an incremental memory allocation within a platform-specific part of the ePasslet source code by providing an alternative applet package that may be used instead of the original applet package. This remediation is not relevant to all customers. Therefore, the decision of applying the described remediation shall remain optional. This update to the software was classified by developer [IAR] and original evaluator [EA] 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:

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- [AGD_OPE SSSCD] NXP eDoc Suite v4.0 on JCOP 4.5 P71 cryptovision ePasslet Suite Java Card applet configuration providing a Secure Signature Creation Device application with on-chip key generation / key import. Operational Guidance (AGD_OPE), version 1.0.10, dated 26 February 2024
- [AGD_PRE] NXP eDoc Suite v4.0 on JCOP4.5 – cryptovision ePasslet Suite – Java Card applet configuration providing a Secure Signature Creation Device application with key generation dedicated to be used as Security Access Module (SAM) – Preparation Guidance (AGD_PRE_SAM), version 1.0.6, dated 27 September 2024
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- [AGD_gen] NXP eDoc Suite v4.0 on JCOP 4.5 P71 – cryptovision ePasslet Suite – Java Card Applet Suite providing Electronic ID Documents applications. Guidance Manual. Version 1.0.2, dated 22 January 2024
- [CR] Certification Report NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite – Java Card applet configuration providing Secure Signature Creation Device with Key generation (SSCD), NSCIB-CC-2200053-02-CR, Dated 03 May 2024
- [EA] Evaluator Assessment of Changes Report (EAR) - NXP eDoc Suite v4.0 on JCOP4.5 P71 - cryptovision ePasslet Suite, 24-RPT-1109, Version 2.0, Dated 01 October 2024
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- [NSCIB] Netherlands Scheme for Certification in the Area of IT Security, Version 2.6,
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- [ST] NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite – Java
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- [ST-Lite] NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite – Java
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(This is the end of this report).