

Assurance Continuity Maintenance Report

NXP eDoc Suite v4.0 on JCOP4.5 P71 - cryptovision ePasslet Suite – Java Card applet configuration providing Machine Readable Travel Document with „ICAO Application”, Extended Access Control with PACE

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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-2200052-01.

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 Machine Readable Travel Document with „ICAO Application“, Extended Access Control with PACE.

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-2200052-01-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-2200052-01.

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 Machine Readable Travel Document with „ICAO Application”, Extended Access Control with PACE.

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 consists of an applet and the certified Java Card platform that can be configured to be used as an eMRTD as specified in [ST]. The TOE provides the Extended Access Control according to the ICAO documents referenced in the [ST].

The TOE is delivered during the preparation phase after which the initialisation and personalisation are performed.

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] and [HW-MA].

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:

- [AC] Assurance Continuity: CCRA Requirements, Version 2.2, 30 September 2021
- [AGD_OPE] NXP eDoc Suite v4.0 on JCOP 4.5 P71 – cryptovision ePasslet Suite – Java Card applet configuration providing an ICAO MRTD application with Extended Access Control (EACv1) or with Basic Access Control (BAC) and Supplemental Access Control (SAC). Operational Guidance (AGD_OPE), version 1.0.9, dated 17 September 2024
- [AGD_PRE] NXP eDoc Suite v4.0 on JCOP 4.5 P71 – cryptovision ePasslet Suite – Java Card applet configuration providing an ICAO MRTD application with Extended Access Control (EACv1) or with Basic Access Control (BAC) and Supplemental Access Control (SAC). Preparation Guidance (AGD_PRE), version 1.0.10, dated 27 September 2024
- [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 Machine Readable Travel Document with „ICAO Application”, Extended Access Control with PACE, NSCIB-CC-2200052-01-CR, Dated 09 August 2023
- [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
- [IAR] NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite Impact Analysis Report NSCIB-CC-2200051, NSCIB-CC-2200052, NSCIB-CC-2200053, NSCIB-CC-2200054, version 1.5, dated 01 October 2024
- [HW-CERT] Certification Report BSI-DSZ-CC-1149-2022 for NXP Secure Smart Card Controller N7122 with IC Dedicated Software and Crypto Library (R1), Version 1.0, 30 June 2022
- [HW-MA] Assurance Continuity Maintenance Report BSI-DSZ-CC-1149-2022-MA-01. NXP Secure Smart Card Controller N7122 with IC Dedicated Software and Crypto Library (R1/R2) from NXP Semiconductors. Version 1.0, 30 November 2022
- [NSCIB] Netherlands Scheme for Certification in the Area of IT Security, Version 2.6, 02 August 2022

- [ST] NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite – Java Card applet configuration providing Machine Readable Travel Document with „ICAO Application”, Extended Access Control with PACE Security Target, Version 1.5, Dated 27 September 2024
- [ST-Lite] NXP eDoc Suite v4.0 on JCOP4.5 P71 – cryptovision ePasslet Suite – Java Card applet configuration providing Machine Readable Travel Document with „ICAO Application”, Extended Access Control with PACE Security Target Lite, version 1.6, Dated 01 October 2024

(This is the end of this report).