TÜV Rheinland Nederland B.V.

Assurance Continuity Maintenance Report

TOSMART-P080 Version 01.07.05 + NVM Version 01.00.01

Sponsor and developer:	**TOSHIBA CORPORATION**
	Social Infrastructure Systems Company
	1-1, Shibaura 1-Chome, Minato-Ku,
	Tokyo 105-8001
	Japan
Evaluation facility:	**Brightsight**
	Delftechpark 1
	2628 XJ Delft
	The Netherlands
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Foreword

The Netherlands Scheme for Certification in the Area of IT Security (NSCIB) provides a third-party evaluation and certification service for determining the trustworthiness of Information Technology (IT) security products. Under this NSCIB, TÜV Rheinland Nederland B.V. has the task of issuing certificates for IT security products.

A part of the procedure is the technical examination (evaluation) of the product according to the Common Criteria assessment guidelines published by the NSCIB. Evaluations are performed by an IT Security Evaluation Facility (ITSEF) under the oversight of the NSCIB Certification Body, which is operated by TÜV Rheinland Nederland B.V. in cooperation with the Ministry of the Interior and Kingdom Relations.

An ITSEF in the Netherlands is a commercial facility that has been licensed by TÜV Rheinland Nederland B.V. to perform Common Criteria evaluations; a significant requirement for such a license is accreditation to the requirements of ISO Standard 17025, General requirements for the accreditation of calibration and testing laboratories.

The IT product identified in this report was assessed according to the Assurance Continuity: CCRA Requirements, version 1.0, February 2004 and the developers Impact Analysis Report (IAR). The baseline for this assessment was the Certification Report, the Security Target and the Evaluation Technical Report of the product certified by NSCIB under NSCIB-CC-10-26681.

The changes to the certified product are at the level of the developer environment to facilitate pre-personalisation, developer documentation and the corresponding software implementation, changes that have no effect on assurance. The identification of the maintained product is indicated by a new version number compared to the certified product.

Consideration of the nature of the changes leads to the conclusion that they are classified as minor changes and that certificate maintenance is the correct path to continuity of assurance. Therefore, the assurance as outlined in the Certification Report NSCIB-CC-10-26681-CR is maintained for this version of the product. Details can be found on the following pages.

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1   Introduction

The TOSMART-P080 Version 01.06.04 + NVM Version 01.00.01 is a certified TOE that has been evaluated and for which a certificate has been issued (NSCIB-CC-10-26681). The certified TOE has been changed to a version that differs from the certified TOE.

The certified TOE is:

- TOSMART-P080 Version 01.06.04 + NVM Version 01.00.01
- Guidance Document for Personalization agent   MC-SJ0046-06
- Preparative guidance MC-SJ0045-02
- Application Specification MC-SM0914-05
- Personalization Manual   MC-SJ0047-05
- AA Personalization Manual MC-SJ0048-05
- Authentication Manual MC-SJ0049-05
- Authentication Manual using MUTUAL AUTHENTICATE command   MC-SJ0050-05
- Authentication Manual using BAC   MC-SJ0051-05
- Authentication Manual using TA MC-SJ0100-02
- Personalization Specification   MC-SM0812-04
- Procedural Request of Security Products Delivery and Receipt MB-ICCARD-W471

The changed TOE is:

- TOSMART-P080 Version 01.07.05 + NVM Version 01.00.01
- Guidance Document for Personalization agent   MC-SJ0046-08
- Preparative guidance MC-SJ0045-02
- Application Specification MC-SM0914-07
- Personalization Manual   MC-SJ0047-07
- AA Personalization Manual MC-SJ0048-07
- Authentication Manual MC-SJ0049-07
- Authentication Manual using MUTUAL AUTHENTICATE command   MC-SJ0050-07
- Authentication Manual using BAC   MC-SJ0051-07
- Authentication Manual using TA MC-SJ0100-04
- Personalization Specification   MC-SM0812-06
- Procedural Request of Security Products Delivery and Receipt MB-ICCARD-W471

2   Description of Changes

The following changes to the functionality claimed by the TOE were made. The changes have only a minor impact on the TOE security functionality.

- Changes were made to the Target of Evaluation (TOE). This involved strengthening several mechanisms that had already been determined to meet the claimed assurance requirements of the certified TOE to make it even stronger. These mechanisms have been retested by the evaluation lab that performed the original evaluation.
- Changes were made to the currently published Security Target to reflect the updated TOE and guidance version numbers etc. There are no changes to the security problem definition, PP claims, Security Functional Requirements. This has been verified by the author of this document who was performed a compare of the existing and updated Security Targets.
- Changes were made to design, guidance and test documentation provided for the evaluation of the certified TOE.
- Changes were made the to ALC documents as a consequence of changes in the development environment.
- Changes were made to cover additional delivery forms. The current certification has a form factor 'Sheet' (Inlay, Inlet). Toshiba's customers also need the TOE be delivered in 'Module', 'Chip' and 'Wafer' form factors as well. These changes do not affect the security functionality offered by the TOE.

As stated above, the changes described in the Impact Analysis Report have been verified by Brightsight BV who performed the original evaluation. Additional penetration testing on the strengthened mechanisms was also performed by Brightsight BV using the current JIL Attack Methods for Smartcards and Similar Devices documentation. It has been determined that the updated TOE still meets the claim made in the Security Target.

3   Affected Developer Evidence

The following developer evidence is impacted by the changes described in the previous section.

Evidence	Name	Version (certified)	Version (now)
[ADV Module list]	Toshiba Corporation, TOSMART-P080 module list	Version 01.00.28, October 14, 2010	Version.01.00.30 June 10, 2011
[ADV Module Relation]	Toshiba Corporation, TOSMART-P080 module relation, MC-SM0828	Version 01.01.71, October 14, 2010	Version 01.01.73 June 10, 2011
[AGD AAPM]	Toshiba Corporation, ePassport AA Personalization Manual, IB-MC-SJ0048	Version 01.00.05, January 28, 2011	Version 01.00.07, November 4, 2011
[AGD AS]	Toshiba Corporation, Application Specification for ePassport, IB-MC-SM0914,	Version 01.00.06, January 28, 2011	Version 01.00.08 November 4, 2011
[AGD Pers Spec]	Toshiba Corporation, Personalization Specification for ePassport, IB-MC-SM0812	Version 01.00.06, January 28, 2011	Version 01.00.08 November 4, 2011
[AGD PM]	Toshiba Corporation, ePassport Personalization Manual, IB-MC-SJ0047	Version 01.00.05, January 28, 2011	Version 01.00.07, November 4, 2011
[ALC DVS]	Toshiba Corporation, TOSMART-P080 Development Security Document, MC-SM0831,	Version 01.00.02, August 31, 2010	Version 01.00.03, June 30, 2011
[ATE ES Log]	TOSMART-P080 Integration Testing result logs	v010604_TMv010001 November 4, 2010	v010705_TMv010001 August 2, 2011
[ATE ES Result]	Toshiba Corporation, Files with tests results	v010001, November 4, 2010	v010001, August 2, 2011
[ATE ES Result]	TOSMART-P080 Integration and system testing	v010001, November 4, 2010	v010001, August 2, 2011

Evidence	Name	Version (certified)	Version (now)
	results		
[ATE Unit Spec]	TOSMART-P080 Unit test specification, MC-SG0247	September 10, 2010	April 29, 2011
[CI List]	Toshiba Corporation, Configuration items plan and list	Version 01.00.01, August 31, 2010	Ver.01.01.11 2011/12/13
[FSP]	Toshiba Corporation, TOSMART-P080 Functional Specification, MC-SM0833	Version 01.00.04, October 14, 2010	Version 01.00.06 November 4, 2011
[IMP Code]	Toshiba Corporation, Source code	V01.06.04 with NVM V01.00.01 August 18, 2010	V01.07.05 with NVM V01.00.01 April 30, 2011
[IMP Change]	Summary of source code change from ES#6 to ES#7	-	April 30, 2011
[PRE AM BAC]	Toshiba Corporation, Authentication Manual using BAC for ePassport, IB-MC-SJ0051	Version 01.00.05, January 28, 2011	Version 01.00.07, November 4, 2011
[PRE AM MUTUAL]	Toshiba Corporation, Authentication Manual using MUTUAL AUTHENTICATE command for ePassport, IB-MC-SJ0050	Version 01.00.05, January 28, 2011	Version 01.00.07 November 4, 2011
[PRE AM TA]	Toshiba Corporation, Authentication Manual using TA for ePassport, IB-MC-SJ0100	Version 01.00.02, January 28, 2011	Version 01.00.04 November 4, 2011
[PRE AM]	Toshiba Corporation, Authentication Manual, IB-MC-SJ0049	Version 01.00.05, January 28, 2011	Version 01.00.07, November 4, 2011
[QAD]	Toshiba Corporation, TOSMART-P080 Quality Assurance Document, MC-SM0830,	Version 01.00.02, August 31, 2010	Version 01.00.04 November 4, 2011
[ST]	Toshiba Corporation, TOSMART-P080 Security Target,	Version 01.00.03, May 13, 2011	Version 01.00.06 December 14, 2011
[ST-SAN]	Sanitized Toshiba Corporation, TOSMART-P080 Security Target,	Version 01.00.00 of [ST] Version 01.00.03 May 13, 2011	Version 01.00.00 of [ST] Version 01.00.06 December 14, 2011
[TDS]	Toshiba Corporation, TOSMART-P080 Design, MC-SM0834	Version 01.00.02, October 22, 2010	Version 01.00.03 June 13, 2011
[TOE ID]	Toshiba Corporation, picture of TOE HW identification	November 4, 2010	August 2, 2011
[USR]	Toshiba Corporation, TOSMART-P080 and TOSMART-P080-AAJePassport Guidance Document For Personalization Agent, MC-SJ0046	Version 01.00.06, January 28, 2011	Version 01.00.08 November 4, 2011

4 References

Common Criteria document CCIMB-2004-02-009 "Assurance Continuity: CCRA Requirements", Version 1.0, February 2004.

Impact Analysis Report TOSMART-P080, version 00.00.06, December 14th 2011 (confidential document).

Certification Report NSCIB-CC-10-26681-CR for TOSMART-P080 Version 01.06.04 + NVM Ver.01.00.01, NSCIB, June 16th 2011.

JIL Attack Methods for Smartcards and Similar Devices (controlled distribution), Version 2.0, February 2011

(This is the end of this report).