



Assurance Continuity Maintenance Report

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Information-technology Promotion Agency, Japan

Changed TOE

| | |
|---------------------|-------------------------|
| Application date/ID | 2011-03-03 (ITM-1071) |
| Certification No. | C0215 |
| Sponsor | Canon Inc. |
| Name of TOE | Canon MFP Security Chip |
| Version of TOE | 2.01 |
| Conformed Claim | EAL3 |
| Developer | Canon Inc. |

This is to report that the result of assurance continuity for the above changed TOE is as follows.

2011-03-29

Takumi Yamasato, Technical Manager
Information Security Certification Office
IT Security Center

Evaluation Criteria, etc.: The changed TOE is verified for assurance continuity in accordance with the provisions of the "IT Security Evaluation and Certification Scheme".

- Common Criteria for Information Technology Security Evaluation Version 2.3
- Common Methodology for Information Technology Security Evaluation Version 2.3

Certification Result: Pass

"Canon MFP Security Chip Version 2.01" (the changed TOE) has been verified in accordance with the provisions of the "IT Security Certification Procedure" by Information-technology Promotion Agency, Japan, and has confirmed the assurance continuity as the maintained TOE.

Notice:

This document is the English translation version of the Assurance Continuity Maintenance Report published by the Certification Body of Japan Information Technology Security Evaluation and Certification Scheme.

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1. Executive Summary

1.1 Introduction

This Assurance Continuity Maintenance Report describes the certification result in relation to the assurance continuity for the changed "Canon MFP Security Chip Version 2.01" (hereinafter referred to as the "changed TOE") from the Certified TOE "Canon MFP Security Chip Version 2.00" (hereinafter referred to as the "certified TOE"), and its report to sponsor, Canon Inc.

Readers of the Assurance Continuity Maintenance Report are advised to read the following Certification Report, ST for the certified TOE, and manuals attached to the changed TOE (please refer to "1.4.3. Documents attached to the changed TOE" for further details) together with this report. The assumed environment, corresponding security objectives, security functional and assurance requirements needed for its implementation and their summary specifications are specifically described in the ST of the certified TOE. The operational conditions and functional specifications are also described in the documents attached to the changed TOE.

Note that the Assurance Continuity Maintenance Report presents the certification result in relation to assurance continuity, which gives the changed TOE the same assurance level given to the certified TOE, and does not certify an individual IT product itself.

1.2 Identification of Assurance Continuity

1.2.1 Identification of the Changed TOE

The changed TOE which this assurance continuity applies is as follows:

| | |
|---------------------|-------------------------|
| Name of the TOE: | Canon MFP Security Chip |
| Version of the TOE: | 2.01 |
| Developer: | Canon Inc. |

1.2.2 Identification of the Certified TOE

The certified TOE of this assurance continuity is as follows:

| | |
|---------------------|-------------------------|
| Certification No.: | C0215 |
| Name of the TOE: | Canon MFP Security Chip |
| Version of the TOE: | 2.00 |
| Developer: | Canon Inc. |
| Assurance Level: | EAL3 |

1.2.3 ST Identification of the Certified TOE

The ST of the certified TOE of this assurance continuity is as follows:

| | |
|-------------------|---|
| Title: | Canon MFP Security Chip Security Target |
| Version: | 1.05 |
| Publication date: | 2009-02-02 |
| Author: | Canon Inc. |

1.2.4 Identification of the Certification Report of the Certified TOE

The Certification Report of the certified TOE of this assurance continuity is as follows:

| | |
|---------------------|---|
| Name of the TOE: | Canon MFP Security Chip |
| Version of the TOE: | 2.00 |
| Application ID: | ITC-8217 |
| Certification No.: | C0215 |
| Publication date: | 2009-06-17 |
| Author: | Information Security Certification Office, IT Security Center Information-technology Promotion Agency, Japan |

1.3 Certificate of Assurance Continuity

Based on IT Security Evaluation/Certification Program operated by the Certification Body, the Certification Body verifies the Impact Analysis Report [3] (hereinafter referred to as "IAR") prepared by the developer and confirmed that assurance will be maintained against the changed TOE in accordance with those publicized documents such as "IT Security Evaluation and Certification Scheme"[1] and "IT Security Certification Procedure"[2]. The Certification Body prepared the Assurance Continuity Maintenance Report based on the IAR and concluded the certification activities.

1.4 Overview of Report

1.4.1 Description of Change

1) Change to the Certified TOE

- Flash Memory is changed

Due to the discontinuance of the Flash ROM used in the certified TOE, the changed TOE used a different Flash ROM.

The new Flash ROM has the same capacity and is compatible in terms of terminal specifications. Therefore, there are no changes to the hardware of the TOE other than the Flash ROM.

However, the control sequence differs between the two Flash ROMs, which necessitated changes to the Flash ROM-controlling firmware in the changed TOE.

This modification does not change the functionality of the TOE.

- Modification of failure

The firmware of the certified TOE has a failure in timer handling. It is confirmed that this failure does not weaken the security functions.

This failure is corrected in the changed TOE. This modification is to make the TOE operate according to specifications and does not affect the specification itself.

- Editorial changes to the guidance

Typographical errors in the English version of the installation procedure guidance were corrected.

- Changes to the guidance regarding the changed TOE

The guidance for the changed TOE was modified to include the version of the changed TOE.

2) Change to development environment of Certified TOE

There is no change to the development environment.

1.4.2 Modified Developer Evidence

Change to the TOE required modification for a part of developer evidence that had been provided for the certified TOE before. Modified developer evidence has been identified properly, and the revised version has been issued.

1.4.3 Documents Attached to the changed TOE

The following documents are attached to the changed TOE.

- HDD Data Encryption Kit-C Series Installation Procedure (Japanese/English) FT1-0323-020
- HDD Data Encryption Kit-C Series Reference Guide (Japanese) FT5-2437(020)
- HDD Data Encryption Kit-C Series Reference Guide (English) USRM1-4642-02
- Attached document "Caution" (Japanese) FT5-2438(010)
- Attached document "Caution" (English) FT5-2441(010)

2. Conduct and Results of Assurance Continuity by the Certification Body

2.1 Overview of Assurance Continuity Conducted

Application for the assurance continuity was accepted on 2011-03-03 and concluded upon completion of the Report for Assurance Continuity. The Certification Body received the IAR necessary for assurance continuity provided by the developer, and examined the impacts to the changed TOE.

2.2 Conduct of Certification

The following verification was conducted based on the IAR submitted by the developer during the certification process in order to confirm that there is no impact to the assurance of the changed TOE.

- a. The developer evidence of the changed TOE shall be appropriate;
- b. The process and result of impact analysis to the changed TOE shall be appropriate;
- c. Appropriate tests shall be conducted.

3. Conclusion

3.1 Certification Result

The Certification Body verified the submitted IAR and confirmed that the changed TOE satisfies EAL3 assurance requirements of the certified TOE, and also confirmed that there is not any impact to the assurance of the changed TOE.

Further, the Certification Body confirmed that there is not any impact on behavior of the changed TOE based on regression testing performed by the developer.

3.2 Recommendations

None

4. Glossary

The abbreviations used in this report are listed below.

| | |
|------|---|
| CC: | Common Criteria for Information Technology Security Evaluation |
| CEM: | Common Methodology for Information Technology Security Evaluation |
| EAL: | Evaluation Assurance Level |
| IAR: | Impact Analysis Report |
| ST: | Security Target |
| TOE: | Target of Evaluation |

The glossaries used in this report are listed below.

Canon MFP/printer: A general term that refers to a Canon-made multifunction product or printer.

HDD: In this report, this term refers to the built-in hard disk drive of a Canon MFP/printer, unless otherwise noted.

HDD Data Encryption Kit:
A board with a security chip that is aimed at providing security enhancement. It has a physical interface to a Canon MFP/printer and its HDD.

HDD Data Encryption Kit C Series:
HDD Data Encryption Kits using the TOE as a security chip. The C-series HDD Data Encryption Kits are completely identical in terms of functionality and the security chip used: they only differ in the product name and the board shape that has a different design for each target Canon MFP/printer model.
The HDD Data Encryption Kit C Series includes the following products.
English version: HDD Data Encryption Kit-C Series
French version: Kit d'encryptage des données disque dur-Série C

HDD Data Encryption & Mirroring Kit C Series:
HDD Data Encryption Kits using the TOE as a security chip. The C-series HDD Data Encryption & Mirroring Kits are completely identical in terms of functionality and the security chip used: they only differ in the product name and the board shape that has a different design for each target Canon MFP/printer model.
The HDD Data Encryption & Mirroring Kit C Series includes the following products.
English version: HDD Data Encryption & Mirroring Kit-C Series
French version: Kit d'encryptage et d'écriture des données disque dur-Série C

IAR: A report which records the analysis of the impact of changes to the certified TOE.

- the certified TOE: The version of the TOE that has been evaluated and for which a certificate has been issued.
- the changed TOE: A version that differs in some respect from the certified TOE.
- the maintained TOE: A changed TOE that has undergone the maintenance process and to which the certificate for the certified TOE also applies.

5. Bibliography

- [1] IT Security Evaluation and Certification Scheme, May 2007, Information-technology Promotion Agency, Japan CCS-01
- [2] IT Security Certification Procedure, May 2007, Information-technology Promotion Agency, Japan CCM-02
- [3] Canon MFP Security Chip Impact Analysis Report Version 2.05, February 16, 2011, Canon Inc.