



Assurance Continuity Maintenance Report

Changed TOE

| | |
|---------------------|---|
| Application date/ID | February 23, 2005 (ITM-5003) |
| Certification No. | C0018 |
| Sponsor | Sharp Corporation |
| Name of TOE | Japan: Data Security Kit AR-FR4 Version M.21 Overseas: Data Security Kit AR-FR4 Version M.21, AR-FR5 Version E.21 |
| Version of TOE | AR-FR4: Version M.21, AR-FR5: Version E.21 |
| Conformed Claim | EAL4 |
| TOE Developer | Sharp Corporation |

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

March 1, 2005

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Evaluation Criteria, etc.: The changed TOE is verified for assurance continuity in accordance with the provision of the “General Requirements for Sponsors and Registrants of IT Security Certification” and “Requirements for Assurance Continuity in IT Security Certification”.

- Common Criteria for Information Technology Security Evaluation Version 2.1 (ISO/IEC 15408)
- Common Methodology for Information Technology Security Evaluation Version 1.0
- CCIMB Interpretations-0210

Certification Result: Pass

“Data Security Kit AR-FR4 Version M.21, AR-FR5 Version E.21” (the changed TOE) has been verified in accordance with the provision of the “General Rules for IT Product Security Certification” 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 changed “Japan: Data Security Kit AR-FR4 Version M.21, Overseas: Data Security Kit AR-FR4 Version M.21, AR-FR5 Version E.21 (hereinafter referred to as “the changed TOE”)” to the Certified TOE “Japan: Data Security Kit AR-FR4 Version M.20, Overseas: Data Security Kit AR-FR4 Version M.20, AR-FR5 Version E.20 (hereinafter referred to as “the certified TOE”)”, and its report to sponsor, Sharp Corporation.

The reader of the Assurance Continuity Maintenance Report is advised to read the following Certification Report, ST for the certified TOE and manual 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 certified TOE. The operational conditions and functional specifications are also described in the document attached to the changed TOE.

Note that the Assurance Continuity Maintenance Report presents the certification result in relation to assurance continuity which will give the changed TOE the same assurance level given to the certified TOE, and does not certify 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 TOE: | Japan: Data Security Kit AR-FR4 Overseas: Data Security Kit AR-FR4, AR-FR5 |
| Version of TOE: | AR-FR4: Version M.21, AR-FR5: Version E.21 |
| Developer: | Sharp Corporation |

1.2.2 Identification of the Certified TOE

The certified TOE of this assurance continuity is as follows:

| | |
|--------------------|---|
| Certification No.: | C0018 |
| Name of TOE: | Japan: Data Security Kit AR-FR4 Overseas: Data Security Kit AR-FR4, AR-FR5 |
| Version of TOE: | AR-FR4: Version M.21, AR-FR5: Version E.21 |
| Developer: | Sharp Corporation |
| Conformed Claim: | EAL4 |

1.2.3 ST Identification of the Certified TOE

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

| | |
|-------------------|---|
| Title: | Digital Multifunction Device Data Security Kit AR-FR4/AR-FR5 Security Target |
| Version: | 0.04 |
| Publication date: | July 30, 2004 |
| Author: | Sharp Corporation |

1.2.4 Identification of the Certification Report of Certified TOE

The certification report of certified TOE of this assurance continuity is as follows:

| | |
|-------------------|---|
| Name of TOE: | Japan: Data Security Kit AR-FR4 Overseas: Data Security Kit AR-FR4, AR-FR5 |
| Version of TOE: | AR-FR4: Version M.21, AR-FR5: Version E.21 |
| Application ID: | ITC-4026 |
| Publication date: | September 15, 2004 |
| 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[5] (hereinafter referred to as "IAR") prepared by 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], "Guidance for IT Security Certification Application, etc."[2], "General Requirements for Sponsors and Registrants of IT Security Certification"[3], "Requirements for Assurance Continuity in IT Security Certification"[4]. A Problem found in certification process was prepared as certification review, which was sent to the developer. The Certification Body confirmed such problems pointed out in the certification review were solved. 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 Certified TOE

In order to cope with the several IDE Control LSIs, the source codes constituting TOE have been changed. Changes are to identify IDE Control LSI as well as to control new IDE Control LSI. Change of source codes can be accomplished by changing processing within the existing function that controls IDE Control LSI. This change has no impact to the security functions of the certified TOE.

2) Change to development environment of Certified TOE

No change has been made for 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 revised version has been issued.

1.4.3 Documents Attached to the changed TOE

Since a part of developer evidence attached to TOE has been modified, all documents attaching to the changed TOE are shown below.

AR-FR4 Japanese version

- Document name: Instruction manual: Data Security Kit AR-FR4
- Version: 2003L DSC1 CINSJ2300FC53
- Intended reader: Key operator (administrator of the site)
- Contents: Offered as the guidance to use the TOE. The items necessary for managing and operating the TOE in a secure manner are described. Written in Japanese.

- Document name: AR-FR4 installation manual*
- Version: TCADZ6011FCZ1(1)
- Intended reader: DSK service person (a maintenance administrator dispatched for the sales company)
- Contents: The Japanese-version AR-FR4 comes as ROMs (BOOT ROM and MAIN ROM), which this document describes how to install in MFP. Besides Japanese, the document is available in English, French, German and Spanish.

- Document name: SHARP MFP Data Security Version:M.21 E.21 Installation Check list; Instruction manual supplementary version; Models: AR-FR4 and AR-FR5
- Version: TCADZ6023FCZ1
- Intended reader: Key operator and DSK service person
- Contents: The items that DSK service person and Key operator are required to perform for the secure management and operations of TOE are described to help install TOE. Described in Japanese.

AR-FR4 Overseas version

- Document name: AR-FR4 Data Security Kit Operation Manual
- Version: 2003M DSC1 CINSZ2302FC53
- Intended reader: Key operator (Administrator of the sites to be used)
- Contents: Offered as the guidance to use the TOE. The items necessary for managing and operating the TOE safely. Available in English, French, German and Spanish.

- Document name: AR-FR4 installation procedure manual*
- Version TCADZ5011FCZ1(1)

- Intended reader: DSK service person (Maintenance administrator dispatched from a sales company)
- Contents: The overseas-version AR-FR4 comes in the form of ROMs (BOOT and MAIN). The manual explains how to install these ROMs in MFP. Besides Japanese, the manual is available in English, French, German and Spanish.
- Document name: SHARP MFP Data Security Kit Version:M.21 E.21 Installation Checklist Supplemental Sheet Models:AR-FR4 AR-FR5
- Version: TCADZ1672FCZ2
- Intended reader: Key operator and DSK service person
- Contents: The items that DSK service person and Key operator are required to perform for the secure management and operations of TOE are described to help install the TOE. Available in English.

AR-FR5 Overseas version

- Document name: AR-FR5 Data Security Kit Operation Manual
- Version: 2003M DSC1 CINSZ2304FC53
- Intended reader: Key operator (Administrator of the sites to be used)
- Contents: Offered as the guidance to use the TOE. The items necessary for managing and operating the TOE safely are described. Available in English, French, German and Spanish.
- Document name: AR-FR4 installation procedure manual*
- Version: TCADZ6011FCZ1(1)
- Intended reader: DSK service person (Maintenance administrator dispatched from a sales company)
- Contents: The overseas-version AR-FR5 comes in the form of a ROM (MAIN only). The manual describes how to install it. Besides Japanese, it is available in English, French, German and Spanish.
- Document name: SHARP MFP Data Security Kit Version:M.21 E.21 Installation Checklist Supplemental Sheet Models:AR-FR4 AR-FR5
- Version: TCADZ1672FCZ2
- Intended reader: Key operator and DSK service person
- Contents: The items that DSK service person and Key operator are required to perform for the secure management and operations are described. Available in Japanese.

* All of the Japanese-version AR-FR4/FR5 installation manual and the English-, French-, German- and Spanish-version installation manuals describe the same contents.

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 February 23, 2005 and concluded with completion of the Report for Assurance Continuity. The Certification Body received the IAR necessary for assurance continuity by provided by developer, and examined the impacts to changed TOE.

A problem found by the Certification Body in the examination process was issued as the certification review and was reported to developer. This problem was investigated by the developer and reflected in the IAR.

2.2 Conduct of Certification

The following verification was conducted based on the IAR submitted by the developer during certification process.

- a. Description of the changes to the certified TOE shall be correct;
- b. The developer evidence to be changed shall be properly;
- c. The result of impact analysis to the changed TOE based on the developer evidence to be changed shall be properly.

A problem found in certification process was prepared as certification review, which was sent to the developer.

The Certification Body confirmed such problems pointed out in the certification review were solved in the IAR..

3. Conclusion

3.1 Certification Result

The Certification Body verified the submitted IAR and confirmed that the changed TOE is satisfying the EAL4 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 |
| ST: | Security Target |
| TOE: | Target of Evaluation |
| IAR: | Impact Analysis Report |
| IDE: | Integrated Drive Electronics |

The glossaries used in this report are listed below.

| | |
|---------------------|---|
| 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. |
| IDE: | One of hard disk interface for personal computers. Approved by ANSI (American National Standards Institute) and managed by X3T92 group. |
| IDE Controlled LSI: | LSI (Large Scale Integration) for controlling hard disk of IDE interface. Mounted on the controller PWB of digital MFP. TOE controls IDE Control LSI and reading and writing operations for hard disk are executed. |

5. Bibliography

- [1] IT Security Evaluation and Certification Scheme, April 2004, Information-Technology Promotion Agency, Japan ITQM-24 (Revised on November 5, 2004)
- [2] Guidance for IT Security Certification Application, etc. April 2004, Information-Technology Promotion Agency, Japan ITQM-23 (Revised on November 5, 2004)
- [3] General Requirements for Sponsors and Registrants of IT Security Certification, April 2004, Information-Technology Promotion Agency, Japan ITQM-08 (Revised on November 5, 2004)
- [4] Requirements for Assurance Continuity in IT Security Certification, November 5, 2004, Information-Technology Promotion Agency, Japan ITQM-31
- [5] Digital MFD Data Security Kit AR-FR4/AR-FR5 Impact Analysis Report Version 0.03
February 28, 2005 Sharp Corporation