



## Assurance Continuity Maintenance Report

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### Changed TOE

Application date/ID	2010-08-17 (ITM-0065)
Certification No.	C0220
Sponsor	Hitachi, Ltd.
Name of TOE	Hitachi Adaptable Modular Storage Microprogram
Version of TOE	0862/A
Conformed Claim	EAL2
Developer	Hitachi, Ltd.

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

2010-09-28

Takumi Yamasato, Technical Manager  
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IT Security Center

**Evaluation Criteria, etc.:** The changed TOE is verified for assurance continuity in accordance with the provision 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

"Hitachi Adaptable Modular Storage Microprogram Version 0862/A" (the changed TOE) has been verified in accordance with the provision 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 changed "Hitachi Adaptable Modular Storage Microprogram Version 0862/A" (hereinafter referred to as "the changed TOE") to the Certified TOE "Hitachi Adaptable Modular Storage 2300 Microprogram Version 0862/A-M" (hereinafter referred to as "the certified TOE"), and its report to sponsor, Hitachi, Ltd.

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:

<b>Name of TOE:</b>	<b>Hitachi Adaptable Modular Storage Microprogram</b>
<b>Version of TOE:</b>	<b>0862/A</b>
<b>Developer:</b>	<b>Hitachi, Ltd.</b>

#### 1.2.2 Identification of the Certified TOE

The certified TOE of this assurance continuity is as follows:

<b>Certification No.:</b>	<b>C0220</b>
<b>Name of TOE:</b>	<b>Hitachi Adaptable Modular Storage 2300 Microprogram</b>
<b>Version of TOE:</b>	<b>0862/A-M</b>
<b>Developer:</b>	<b>Hitachi, Ltd.</b>
<b>Conformed Claim:</b>	<b>EAL2</b>

### 1.2.3 ST Identification of the Certified TOE

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

**Title:** Hitachi Adaptable Modular Storage 2300 Microprogram Security Target  
**Version:** Rev. 11  
**Publication date:** 2009-04-13  
**Author:** Hitachi, Ltd.

### 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:** Hitachi Adaptable Modular Storage 2300 Microprogram  
**Version of TOE:** 0862/A-M  
**Application ID:** ITC-8210  
**Publication date:** 2009-06-29  
**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 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], "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 Certified TOE

The following operation environment is added to the changed TOE compared with the certified TOE. Since the operation environment became not limited to Hitachi Adaptable Modular Storage 2300, the name of TOE was changed. There is no difference in the specification between the changed TOE and the certified TOE.

- The certified TOE is the control program (software) installed in the disk array subsystem "Hitachi Adaptable Modular Storage 2300".
- The changed TOE is the control program (software) installed in the following disk array subsystems.
  - > Hitachi Adaptable Modular Storage 2100
  - > Hitachi Adaptable Modular Storage 2300
  - > Hitachi Adaptable Modular Storage 2500

The differences of the operation environments "Hitachi Adaptable Modular Storage 2100", "Hitachi Adaptable Modular Storage 2300" and "Hitachi Adaptable Modular 2500" are the performance and the disk capacity. Analyzed by the developer, it was verified that the differences of the operation environment did not affect the behavior and the usage method related to the TOE security functions.

## 2) Change to development environment of Certified TOE

There is no change to the development environment.

### 1.4.2 Modified Developer Evidence

The changes to TOE required changes to a part of the developer evidence that was previously submitted for the certified TOE. The changed developer evidence was exactly identified, and the revised version was created.

### 1.4.3 Documents Attached to the changed TOE

The documents attached to the changed TOE are as shown below.

- Hitachi Adaptable Modular Storage ISO/IEC 15048 Certification Acquisition Function Instruction Manual (Administer Edition)
- Hitachi Adaptable Modular Storage ISO/IEC 15048 Certification Acquisition Function Instruction Manual (User Edition)
- Hitachi Adaptable Modular Storage ISO/IEC 15048 Certification Acquisition Function Instruction Manual (Service Personnel Edition)
- Hitachi Adaptable Modular Storage 2100/2300 Series Disk Array User's Guide  
(Note) Attached when the operation environment is Hitachi Adaptable Modular Storage 2100 or Hitachi Adaptable Modular Storage 2300
- Hitachi Adaptable Modular Storage 2500 Series Disk Array User's Guide  
(Note) Attached when the operation environment is Hitachi Adaptable Modular Storage 2500

## 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 2010-08-17 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.

### 2.2 Conduct of Certification

The following verification was conducted based on the IAR submitted by the developer during 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 is satisfying the EAL2 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.

<b>CC:</b>	<b>Common Criteria for Information Technology Security Evaluation</b>
<b>CEM:</b>	<b>Common Methodology for Information Technology Security Evaluation</b>
<b>EAL:</b>	<b>Evaluation Assurance Level</b>
<b>IAR:</b>	<b>Impact Analysis Report</b>
<b>ST:</b>	<b>Security Target</b>
<b>TOE:</b>	<b>Target of Evaluation</b>

The glossaries used in this report are listed below.

<b>IAR:</b>	<b>A report which records the analysis of the impact of changes to the certified TOE.</b>
<b>the certified TOE:</b>	<b>The version of the TOE that has been evaluated and for which a certificate has been issued.</b>
<b>the changed TOE:</b>	<b>A version that differs in some respect from the certified TOE.</b>
<b>the maintained TOE:</b>	<b>A changed TOE that has undergone the maintenance process and to which the certificate for the certified TOE also applies.</b>

## 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] Hitachi Adaptable Modular Storage Microprogram Impact Analysis Report Rev. 1.03 September 17, 2010 Hitachi, Ltd.