Assurance Continuity Maintenance Report

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Changed TOE

Application date/ID	August 11, 2005 (ITM-5008)
Certification No.	C0019
Sponsor	Konica-Minolta Business Technologies, Inc
Name of TOE	Japan: bizhub PRO 1050 zentai seigyo software Overseas: bizhub PRO 1050 control software
Version of TOE	Image control program (Image control I1) : 21-0000 Controller control program (IP controller P1): 20-0000
Conformed Claim	EAL3
TOE Developer	Konica-Minolta Business Technologies, Inc

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

October 12, 2005

TABUCHI Haruki, Technical Manager
Information Security Certification Office
IT Security Center
Information-Technology Promotion Agency, Japan

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

"Japan:bizhub PRO 1050 zentai seigyo software(Gazou seigyo program (Gazou seigyo I1): 21-0000, Controller seigyo program (IP control P1): 20-0000),Overseas:bizhub PRO 1050 control software (Image control program (Image control I1): 21-0000, Controller control program (IP controller P1): 20-0000)" (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.

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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:bizhub PRO 1050 zentai seigyo software(Gazou seigyo program (Gazou seigyo I1): 21-0000, Controller seigyo program (IP control P1): 20-0000),Overseas:bizhub PRO 1050 control software (Image control program (Image control I1): 21-0000, Controller control program (IP controller P1): 20-0000) (hereinafter referred to as "the changed TOE")" to the Certified TOE "Japan:bizhub PRO 1050 zentai seigyo software(Gazou seigyo program (Gazou seigyo I1): 11-0000, Controller seigyo program (IP control P1): 10-0000),Overseas:bizhub PRO 1050 control software (Image control program (Image control I1): 11-0000, Controller control program (IP controller P1): 10-0000) (hereinafter referred to as "the certified TOE")", and it report to sponsor, Konica-Minolta Business Technologies, Inc..

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: bizhub PRO 1050 zentai seigyo software Overseas: bizhub PRO 1050 control software

Version of TOE:	Japan: Gazou seigyo program (Gazou seigyo I1): 21-0000
	       Controller seigyo program (IP control P1): 20-0000
	Overseas: Image control program (Image control I1): 21-0000
	       Controller control program (IP control P1): 20-0000

Developer:	Konica-Minolta Business Technologies, Inc.

1.2.2 Identification of the Certified TOE

The certified TOE of this assurance continuity is as follows:

Certification No.:	C0019
Name of TOE:	Japan: bizhub PRO 1050 zentai seigyo software
	Overseas: bizhub PRO 1050 control software
Version of TOE:	Japan: Gazou seigyo program (Gazou seigyo I1): 11-0000
	Controller seigyo program (IP control P1): 10-0000
	Overseas: Image control program (Image control I1): 11-0000
	Controller control program (IP control P1): 10-0000
Developer:	Konica-Minolta Business Technologies, Inc.
Conformed Claim:	EAL3

1.2.3 ST Identification of the Certified TOE

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

Title:	Multi functional printer (digital copier) bizhub PRO 1050 Series Security Target
Version:	Version 10
Publication date:	December 21, 2004
Author:	Konica-Minolta Business Technologies, Inc.

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: bizhub PRO 1050 zentai seigyo software
	Overseas: bizhub PRO 1050 control software
Version of TOE:	Image control program (Image control I1): 11-0000
	Controller control program (IP control P1): 10-0000
Application ID:	ITC-4027
Publication date:	February 9, 2005
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

Modifications for products include "process improvements," "support for retailer requests," "performance/functional improvements," and "bug fixes." Modifications for products are shown in Table 1-1.

Table 1-1. Modifications for Products

<Image Control Program>

Modification Type	Modification Purpose	Detailed Information
Improvement and promotion of efficiency in manufacturing process	Modification of non-volatile initial value.	Modify factory default value of software switch.
	Response to new destinations.	Add factory default value in accordance with the destinations.
Support for combined new optional equipments.	Response to new combination of finishers.	Add "status notification" to the controller for a configuration of SD501 and FS503.
Improvement of performance/function	Response to image quality stability in large volume of prints.	Add control to make correction for image quality stability during JOB.
	Improvement of printing image registration accuracy.	Add control to reflect the correct image size received from controller to the image base position.
Support for new functions	Response to PI insertion function.	- Add PI (Post Inserter) tray to tray selection in blank insertion mode of sheet insertion function. - Add control to insert sheet from PI.
	Response to HDD each page output function.	- Add control to enable output only any one page in the file recalled from user BOX. - Add screen to select any page.

Modification Type	Modification Purpose	Detailed Information
	Response to thumbnail for each page.	- Add control to enable thumbnail only any one page in the file recalled from user BOX. - Add screen to select any page.
	Response to any stamp function.	- Add function to print out any stamp (numbering/date/arbitrary character string) on the scanned image. - Add operation to select any stamp. - Add operation to pre-register any stamp.
	Response to CMS function.	Add operation to release and clear count of each replaceable part for CMS function which enables user to replace any part in the machine.
	Response to function button.	Add function to register the setting pre-registered in setting memory function to function button made on copier screen.
	Response to CSRC registration.	- Allow CSRC registration only in case that it has been not made before. - Complete registration only when calling and response for CSRC registration are successfully completed. - Prohibit to modify ID when CSRC registration is completed. - Send communication log data by command request to CSRC.
	Response to registration adjustment mode.	- Add screen to adjust front-to-back printing position. - Add inside pattern image for making consistent registration. - Add calculation process for making consistent registration.
	Response to save file to HDD by overwriting as same file name.	- Add selection screen of "Overwrite Yes or No" in case of using same file name when the file recalled from user BOX is saved again in setting check screen or newly in copier mode. - Add action to overwrite as same file name in case of "Overwrite Yes".

Modification Type	Modification Purpose	Detailed Information
	Relaxation of conformable all trays when recalling in HDD.	Add control to enable the file recalled from user BOX to print out even if all trays conditions do not conform with that in saving (it is valid if only used tray conforms).
	Response to completion with saving to HDD in wait mode.	Add operation to complete by only saving to HDD when the designated JOB in wait mode from printer driver is clicked Stop button on check screen.
	Response to change to Group mode from Sort mode for JOB recalled in wait mode.	Add operation to allow the file recalled in wait mode from user BOX to change to Group mode from Sort mode in output setting on check screen.
	Response to continuous output when switching to single double-folding JOB from folding & stapling JOB.	Add control to perform continuous output when single double-folding JOB is switched to folding & stapling JOB.
	Response to serial number display.	Add display of main body's serial number with Detail Check button in utility screen.
	Response to any setting of date/time stamp printing.	Add function to print date/time by any user setting in date/time printing mode of stamp function.
	Improvement of operability for releasing saddle stitcher "output tray full".	Modify control to release alarm by removing paper if "output tray full" alarm occurs in saddle stitcher (optional finisher).
	Improvement of action for new sub BOX name designated from printer driver.	Allow save for new sub BOX name designated from printer driver.
	Response to weight conversion table.	Add weight conversion table on top menu in HELP screen. (g/m^2 to lb)
Improvement of failure	Improvement of failure.	Correct source codes for a variety of failures related to action, operation and setting after the start of JOB.

<Controller Control Program>

Modification Type	Modification Purpose	Detailed Information
Addition of new functions	Response to addition of positioning correction function for printing image.	Add process with parameter added to printer driver.
	Response to addition of page insertion function from PI tray.	Add process with parameter added to printer driver.
	Response to addition of tandem printing function.	Add process with parameter added to printer driver.
	Response to addition of printing function by page.	Add process for printing command addition.
	Response to addition of header page printing function.	Add process with parameter added to printer driver.
	Response to addition of message display of "printing completion".	Add process with parameter added to printer driver.
	Response to addition of form page function.	Add process with parameter added to printer driver.
	Response to addition of SNMPTrap function.	Add process for SNMPTrap function.
	Response to addition of StatusReadBack command.	Add process for command addition.
	Response to addition of PDF direct printing (PDF1.4/1.5).	Add process for PDF1.4/1.5 function. Update version to VxWorks5.5.
Improvement of failure	Improvement of failure	Correct source codes for a variety of failures related to action, operation and setting after the start of JOB.

2) Change to development environment of Certified TOE

No modifications to the development environment.

1.4.2 Modified Developer Evidence

Modifications of this certified TOE needed to modify a part of the developer evidence that was submitted for the certified TOE before. The modified developer evidence was correctly identified and the revised version was created.

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.

Japanese Documents

<Manuals for CE>

- bizhub PRO 1050 Installation Manual 56UA97360　　2005.09
  It describes the installation procedures for the main unit.

<Manuals for Administrators/General Users>

- bizhub PRO 1050 User's Guide Copier　　2005.09
  It describes the usage method of copier function.

- bizhub PRO 1050 User's Guide Network Scanner　　2005.09
  It describes the usage method of document box, and the usage method of bizhub PRO 1050 main unit in connecting to network and using scanner function.

- bizhub PRO 1050 User's Guide POD Administrator's Reference　　2005.09
  It describes the mechanical adjustment method of main unit and the method of management function etc.

- bizhub PRO 1050 User's Guide Security　　2005.09
  It describes the operational method of bizhub PRO 1050 control software, the useable function, and the security function.

Overseas Documents

<Manuals for CE>

- bizhub PRO 1050 INSTALLATION MANUAL 56UA97360　　2005.09
  It describes the installation procedures for the main unit.

<Manuals for Administrators/General Users>

- bizhub PRO 1050 User's Guide Copier　　2005.09
  It describes the usage method of copier function.

- bizhub PRO 1050 User's Guide Network Scanner　　2005.09
  It describes the usage method of bizhub PRO 1050 main unit in connecting to network and using scanner function.

- bizhub PRO 1050 User's Guide POD Administrator's Reference　　2005.09
  It describes the mechanical adjustment method of main unit and the method of management function etc.

- bizhub PRO 1050 User's Guide Security　　2005.09
  It describes the operational method of bizhub PRO 1050 control software, the useable function, and the security function.

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

2.1 Overview of Assurance Continuity Conducted

The assurance continuity has started on August, 2005 and concluded with completion of the Report for Assurance Continuity October, 2005. 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 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

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.

SD501:   A finisher that functions folding and stapling, trimming, multi center folding, and multi letter folding.

FS503:   A finisher that functions stapling, offset, and non-offset.

Factory default mode: A mode to enter the machine's serial number and set the initial value of non-volatile memory 1 in accordance with destinations.

PI: An optional finisher "Post Inserter" connected to the main body

CMS function: A function that enables user to replace any part in the machine.

Weight: The thickness of paper.

Header Page Printing Function:
                   A function to print a page mentioned user name, file name and so on of print JOB in advance.

Form Page Function: A function to save, add, delete, display list, and overlay printing for image that can be overlaid to print.

SNMPTrap Function: A function to notify any failure information on communication protocol SNMP (Simple Network Management Protocol).

StatusReadBack Command

A command to set the status variation notification of printer and read the status.

PDF Direct Print: A function to print by sending directly document data in PDF format to the printer without involving printer driver and so on.

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] Multi functional printer (digital copier) bizhub PRO 1050 Series Impact Analysis Report Version 7 October 7, 2005 Konica-Minolta Business Technologies, Inc.