Communications Security Establishment | Centre de la sécurité des télécommunications

CANADIAN CENTRE FOR CYBER SECURITY

COMMON CRITERIA MAINTENANCE REPORT

Lexmark CX725h and XC4150 Multi-Function Printers with firmware version CXTAT.041.245

10 January 2020

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Canada

FOREWORD

This Maintenance Report is an UNCLASSIFIED publication, issued under the authority of the Chief, Communications Security Establishment (CSE).

If your department has identified a requirement for this maintenance report based on business needs and would like more detailed information, please contact:

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OVERVIEW

This is a Maintenance Report for **Lexmark CX725h and XC4150 Multi-Function Printers with firmware version CXTAT.041.245** (hereafter referred to the TOE), that satisfies the requirements outlined in Assurance Continuity: CCRA Requirements, v2.1, June 2012. In accordance with those requirements, an Impact Assessment Report was submitted which describes the changes implemented in the TOE, (the maintained Target of Evaluation), the evidence updated as a result of the changes and the security impact of the changes.

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1 CHANGES

The following characterizes the changes implemented in the TOE and/or the environment. For each change, it was verified that there were no required changes to the security functional requirements in the ST, and thorough functional and regression testing was conducted by the developer to ensure that the assurance in the Target of Evaluation (TOE) was maintained.

1.1 DESCRIPTION OF CHANGES IN THE MAINTAINED TARGET OF EVALUATION

Resulting from the updating of the firmware version from CXTAT.040.204c3 to CXTAT.041.245, the changes to the TOE comprise the following:

- Addressing known vulnerabilities in a third-party library incorporated into the TOE (CVE-2017-7376 and CVE-2019-12900)
- Fix for a fax buffer overflow vulnerability (CVE-2018-15520)
- Fix for an inability for a user to access their job queue within a third-party application
- Fix for faxes not printing as scheduled
- Support for Pantum splash screens and Bootup animation
- Various bug fixes and feature enhancements resulting from defects detected and resolved through the QA/test process that do not affect the existing security features of the TOE

1.2 AFFECTED DEVELOPER EVIDENCE

Modifications to the product necessitated changes to a subset of the developer evidence that was previously submitted for the TOE. The set of affected developer evidence was identified in the IAR.

Modifications to the security target were made to reflect the new product versions.

2 CONCLUSIONS

Through functional and regression testing of the TOE, assurance gained in the original TOE certification was maintained. As all of the changes to the maintained TOE have been classified as minor, it is the conclusion of the CB that the maintained TOE is appropriate for assurance continuity and re-evaluation is not required.

The IT product identified in this report has been previously evaluated at an approved evaluation facility established under the Canadian Common Criteria Evaluation and Certification Scheme using the Common Methodology for IT Security Evaluation, Version 3.1 Revision 5, for conformance to the Common Criteria for IT Security Evaluation, Version 3.1 Revision 5.

This is not an endorsement of the IT product by CSE or by any other organization that recognizes or gives effect to this certificate, and no warranty of the IT product by CSE or by any other organization that recognizes or gives effect to this certificate, is expressed or implied.

2.1 REFERENCES

Reference
Assurance Continuity: CCRA Requirements, v2.1, June 2012
Certification Report for Lexmark CX725h and XC4150 Multi-Function Printers, v1.0, 1 March 2018
Security Target for Lexmark CX725h and XC4150 Multi-Function Printers, v1.8, 25 October 2019