

SLI Compliance Engineering Change Evaluation and Review Form

Vendor:	Hart InterCivic	Date:	6/25/2024
Change ID:	ECO-01658	System(s):	Applicable Verity Releases: Verity Voting 2.7
Product:	Verity Touch Writer, Verity Print, Verity workstation software		

Change Summary Description

Summary Description:

ECO-01658 accommodates the End-of-Life (EOL) notice of the Brother HL-L6400DWVS COTS laser printer introduced in Verity Voting 2.7. This printer model is used with the Verity Print device, the Verity Touch Writer device, and on the Verity workstations as a report and ballot printer. The product model is replaced with an equivalent model in the same form factor that is purposely designed for long life support through the year 2030, the Brother HLEX415DW.

There are no changes to software to accommodate this change as identical firmware settings on the Brother HL-EX415DW printer result in complete compatibility with the existing Verity device and workstation software.

Reason for Change: Accommodate supply chain challenges

ECO Category: COTS EOL / Equivalent Replacement

Reference Documents:

EAC 2005 Voluntary Voting System Guidelines (VVSG) Vol. II, Sec. 1.7.2
 EAC Voting System Testing and Certification Program Manual Ver. 3.0, Sec. 3.5.1.
 NOC 12-01 COTS Computer Equivalency for de minimis Change

Documentation used in SLI's Assessment:

ECO-01658 Summary - Brother HL-L6400DW EOL 4005841 A00
 Supported Documentation:

- AML
- ECO-01658 EMC Test Report 4005843 A00
- ECO-01658 QA Test Report for Brother HL-EX415DW printer 4005842 A00

	Change Evaluation	Comments
<input type="checkbox"/>	The change affects the form, fit or function of the equipment and therefore requires hardware testing to be performed. The testing requirements are defined in the Hardware Test Matrix table below. Any changes made to a system under test will result in the manufacturer supplying a list and detailed description of all changes.	N/A
<input checked="" type="checkbox"/>	Minor change order: A minor change order is a change to a certified voting system's hardware, software, Technical Data Package (TDP), or data, the nature of which will not materially alter the system's reliability, functionality, capability, or operation.	This change request does not materially alter the system's reliability, functionality, capability, or operation of the certified devices.



☒	System documentation: The manufacturer has provided a description of how this change will impact any relevant system documentation and has provided the updated documentation, if applicable.	Supported documentation was provide for all equivalent components.
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Summary Comments

There are no changes needed to the Verity 2.7 software to accommodate the new printer.

The Brother HL-L6400DWVS is replaced by the Brother HL-EX415DW, a laser printer of the identical form factor and specifications, but purposely designed during component selection for long life support. Brother intends to sell the Brother HL-EX415DW printer through the year 2030.

The Brother HL-EX415DW will have its WiFi and NFC modules removed by the manufacturer prior to shipping to Hart to facilitate use by the elections industry, just as Brother did for the Brother HL-L6400DWVS printer.

ECO-01658 EMC Test Report 4005843 A00 performed on the Verity Touch Writer with the new Brother HL-EX415DW printer attached includes the following EMC tests:


- Radiated Emissions and Radiated RF Immunity.

Hart’s internal QA testing as detailed in ECO-01658 QA Test Report for Brother HL-EX415DW printer 4005842 A00 completed with no failures identified.

ECO-01658 EMC Test Report 4005843 A00, and Hart’s internal QA tests passed without issue.

SLI has assessed the proposed changes in ECO-01658 including supporting documentation. The requested change does not affect the system’s reliability, functionality, capability, or operation.

As required under section 3.5.1 of the EAC's Voting System Testing and Certification Program Manual Version 3.0, SLI Compliance considers the nature of ECO-01658 to be Minor and therefore not to affect the Federal certification status for Verity Voting 2.7. ECO-01658 EMC Test Report 4005843 A00 and Hart’s internal QA testing provides adequate coverage. No additional testing is required.

	Approved by/Title	Signature:	Date:
	Darrick Forester Hardware Test Engineer	<i>Darrick E Forester</i>	6/25/2024
	Michael D. Santos Director	<i>Michael D. Santos</i>	6/25/2024

