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May 26, 2022

Director, Voting System Testing and Certification
U.S. Election Assistance Commission
633 3rd Street NW, Suite 200
Washington, DC 20001

Re: Hart ECO-01538 – Updated COTS HP P24v G4 Monitor for Verity Workstation

Dear Mr. Panek,

Hart has requested that SLI review ECO-01538 and supporting documentation to determine if the proposed update can be considered a minor change.

Summary Description:

The Commercial-Off-The-Shelf (COTS) monitor (display) for use with Verity workstations is End-Of-Life (EOL) and replaced. The manufacturer, Hewlett Packard has recommended that the P24 G4 24 is replaced with the P24v G4. The P24v G4 display is a complete form, fit, and function match with the HP P244 with all the same specifications, and features. The DisplayPort output is removed and connectivity to the workstation is via an HDMI to MiniDP cable.

The Hewlett Packard P24 G4 24 monitor is no longer available. Hewlett Packard has suggested the P24v G4 as an equivalent replacement.

Reference Documents:

- EAC 2005 Voluntary Voting System Guidelines (VVSG) Volume II, Sec. 1 & 4
- EAC Voting System Testing and Certification Program Manual Version 3.0, Sec. 3.5.1
- NOC 12-01 COTS Computer Equivalency for de minimis Change

Documentation used in SLI's Assessment:

- ECO-01538 Summary - Updated HP Monitor 4005711 A00
- 4005711_Supporting_Documents:
 - AML:
 - 2005880 Rev B AML Report.pdf

- 2005880 Rev C AML Report.pdf
- Datasheets:
 - c06691966.pdf
 - HP ProDisplay P24 G4 24 Monitor Datasheet.pdf
 - HP ProDisplay P24v G4 Monitor Datasheet.pdf

Conclusion:

There are no changes to software or OS images associated with this ECO.

SLI Compliance performed a comparison of key specifications for the COTS P24 G4 24 monitor and their requested replacement the COTS P24v G4 monitor. The analysis showed the manufacturer datasheet specifications are equivalent with respect to performance characteristics, power consumption, environmental compliance, operating environment, efficiency compliance, and regulatory certifications.

SLI has assessed the proposed change in ECO-01538 including supporting documentation and Hart's internal QA testing. 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 considers the nature of ECO-01538 to be minor change and therefore not to affect the Federal certification status for all applicable Verity releases.

Please refer to the attached SLI Evaluation Hart ECO-01538 form for additional information.

If you have questions regarding this assessment, please contact Darrick Forester.

Sincerely,



Traci Mapps

Vice President, SLI Compliance