

SLI Compliance Engineering Change Evaluation and Review Form

Vendor:	Hart InterCivic	Date:	19-May-2020
Change ID:	ECO-01393	System(s):	Verity 2.4
Product:	HP Z4 G4 Workstation and P244 Display		

Change Summary Description

Summary Description: The Commercial Off the Shelf (COTS) workstation that Hart uses for its Verity workstations, the Hewlett Packard (HP) Z240, is End-of-Life (EOL) and no longer manufactured. Hart will use the HP Z4 G4 workstation as an equivalent replacement to the HP Z240.

The COTS display for use with the HP Z240 is also EOL and is replaced. The manufacturer has recommended that the P232 display be replaced by the P244.

New drivers are required to be added to the OS image to support the equivalent workstation hardware, however, the Windows operating system build and Verity Software are not modified by the change.

Reason for Change: The Hewlett Packard Z240 workstation and P232 display are no longer available. Hewlett Packard has suggested the Z4 G4 workstation and P244 display as equivalent replacements.

ECO Category: EOL / Alternate Part Replacement

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"/>	De Minimis change order: A de minimis 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.	The requested changes do not affect the system's reliability, functionality, capability, operation, or software.
<input checked="" type="checkbox"/>	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.	N/A
<input type="checkbox"/>	The change provides closure for an issue encountered during testing.	N/A
<input type="checkbox"/>	Requires Evaluation from a EMC/EMI Test Lab	N/A
<input type="checkbox"/>	Requires Evaluation from a NRTL Test Lab	N/A

Summary Comments


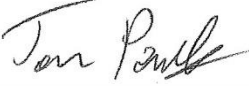

Hart's ECO-01393 updates the Z240 workstation and P232 with the manufacturer suggested replacement, the Z4 G4 workstation and the P244 display. The HP Z4 G4 workstation and the P244 display both support all features utilized by the Verity system and have equivalent or better regulatory specifications and performance.

A Workstation Manufacturing Process Document for Z4 G4 workstation deployments on Verity 2.4 has been created. The document content parallels the Verity Workstation Manufacturing document included in the Verity 2.4 TDP.

Hart has performed end-to-end Quality Assurance testing using the updated workstation images. As part of the supporting documentation, Hart has provided a QA test report including descriptions of testing performed and records of test results.

SLI performed a comparison of workstation hash files from the Verity 2.4 Trusted Build to the new hash files from the Z4 G4 workstations, demonstrating that the Verity software is unaffected. In addition, SLI has assessed the hardware change in ECO-01393, including supporting documentation. The requested change does not affect the system's reliability, functionality, capability, operation, or software. SLI considers the nature of this change to be De Minimis and therefore not to affect the Federal certification status for all applicable Verity releases. Hart's internal testing performed is appropriate. No additional testing is required.

As required under section 3.4.3 of the EAC's Voting System Testing and Certification Program Manual Version 2.0, Hart InterCivic has provided the necessary information for SLI to verify the ECO-01393 change is De Minimis.

	Approved by/Title	Signature:	Date:
	Jon Panek Test Manager		19-May-2020
	Traci Mapps Director		19-May-2020