



March 29<sup>th</sup>, 2022

U.S. Election Assistance Commission  
1335 East West Highway, Ste. 4300  
Silver Spring, MD 20910

**Re:** ECO-01524 Security Performance Optimization

Dear Mr. Panek,

At the request of Hart InterCivic, SLI is providing an assessment of ECO-01524, including supporting documentation provided by Hart InterCivic, to determine if this change is De Minimis, and no additional testing is required.

**Reference Documents:**

- EAC 2005 Voluntary Voting System Guidelines (VVSG) Volume II, Sec. 1.7.2
- EAC Voting System Testing and Certification Program Manual v. 3.0, Sec 3.5.1
- NOC 19-01 Software De Minimis Changes

**Summary Description:**

Security enhancements introduced in Verity 2.5 increased average scanning time in the Verity Scan series devices. The average scanning time increases as additional CVRs, and ballot images are added.

The ECO increases the predefined reorganization frequency from every 500 files to every 250 files.

Additionally, vDrive signing/validation algorithm optimizations developed in Verity 2.7 are implemented. The algorithm's optimizations reduce the number of system calls needed to perform the signature validation function, further improving performance.

The changes are limited to Verity Scan and Verity Scan with Relay device software only and is applicable to Verity Voting 2.5 and 2.6 only. There is no impact to the Base OS master images.

## Hart Verity ECO-01524 Security Performance Optimization Letter

### **Documentation used in SLI's Assessment:**

- "ECO-01524 QA Test Report for Verity 2.5 2.6 Verity Security Performance Optimization 4005806 A02"

### **Determination:**

Regarding the Hart ECO-01524 for Verity 2.5 & 2.6 Verity Security Performance Optimization, SLI Compliance has reviewed the submitted documentation from Hart. This included a review of the Hart documents listed above.

Based upon the examination of ECO-01524 with supporting documentation, SLI considers the nature of this change to be Minor and therefore not to affect the Federal certification status for all applicable Verity releases. No additional testing is required at this time.

As required under section 3.5.1 of the EAC's Voting System Testing and Certification Program Manual Version 3.0, Hart InterCivic has provided the necessary information to verify the ECO-01524 change is Minor.

If you have questions regarding this assessment, please contact Michael Santos.

Sincerely,



Traci Mapps  
Vice President, SLI Compliance