HART
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September 1, 2022

Mr. Stuart Holmes
Director of Elections
Washington Secretary of State
520 Union Ave SE
Olympia, WA 98501

Via: Electronic Mail

RE: Application for Certification of Verity Voting 2.7 Modification

Dear Mr. Holmes,

Hart InterCivic, Inc. is seeking certification of Verity Voting 2.7, a modification of the currently certified Verity 2.5 voting system, for use in the State of Washington. Verity Voting 2.7 is certified by the EAC as conformant with the federal *Voluntary Voting System Guidelines* (VVSG), Version 1.0 (2005).

Verity Voting 2.7 includes the following components:
- Verity Data – Election data management software
- Verity Build – Election definition software application
- Verity Central – Central scanning software application
- Verity Count – Tabulation and reporting software application
- Verity Desktop – Secure desktop management application
- Verity User Management – User management software application
- Verity Election Management – Election management software application
- Verity Print – Ballot production device, for on-demand printing
- Verity Scan – Digital scanning voting device
- Verity Touch Writer with Access – Ballot marking device, with audio tactile interface
- Verity Controller – Touch Writer Duo polling place management device
- Verity Touch Writer Duo – Ballot marking device, with optional audio tactile interface (ATI) and internal COTS ballot summary printer
- Verity Touch Writer Duo Standalone – Standalone ballot marking device, with optional audio tactile interface (ATI) and internal COTS ballot summary printer
- Verity Duo Go – Curbside carrier with integrated printer for Verity Duo devices

Testing and Deployment Status:
- Verity Voting 2.7 was certified to the 2005 *Voluntary Voting System Guidelines* by the Election Assistance Commission on June 7, 2022. The Certificate of Conformance and Scope of Certification are included with this application.
- Verity Voting 2.7 concluded testing at SLI Compliance (Wheat Ridge, Colorado), and the VSTL test report is included with this application.
- Verity 2.7 is certified in the State of Ohio.
- Verity Voting 2.7 is currently in the certification process in the States of Florida, Idaho, New York, Oregon, and Pennsylvania.

Overview of the Verity Voting system

The Verity Voting system includes software, hardware, devices, and peripheral components that allow election professionals to accomplish the following high-level tasks:
- Election definition
- Ballot production
- Flash media production
- Voting machine configuration and use
- Central scanning and adjudication of ballots
- Counting of votes
- Consolidation and reporting of results and audit logs

Identification of the Verity Voting system
Software Applications

- **Verity Data** is a component of the Verity Voting system used by officials to enter election data for contests, candidates, proposition text, translations, and audio. Data also provides the user with controls for proofing of data, layout, and performs validation prior to locking the data to ensure its readiness for use in Verity Build.

- **Verity Build** enables election officials to define ballot styles and generate election definitions. In addition to producing paper and electronic ballot styles, Build allows users to program voting device behavior in a variety of ways. After ballot generation, Build electronically writes the election data file (including all ballot styles) to portable flash media known as vDrives, which can then be deployed for a variety of different voting types, such as central scanning with Verity Central or in-person voting with Verity Scan and Verity Touch Writer. After generating election definitions, Verity Build can also print ballots or output them electronically for third-party printers.

- **Verity Central** enables election officials to scan paper ballots at a central location using a commercial-off-the-shelf (COTS) scanner, adjudicate voter selection marks as necessary, and convert voter selection marks to electronic Cast Vote Records (CVRs). Verity Central is especially well-suited for scanning and adjudicating by-mail ballots. When all ballots have been scanned and adjudicated, Central writes Cast Vote Records to vDrive portable flash media, which can be

tabulated in Verity Count tabulation software. It is important to note that Verity Central does not tabulate votes; because it simply scans and records Cast Vote Records, this allows jurisdictions to begin scanning before the close of polls, thereby greatly accelerating the scanning workflow. While Central does produce a variety of reports, because it does not tabulate, it does not produce reports containing results totals.

- **Verity Count** allows election officials to tabulate and report the results of Cast Vote Records stored on vDrives. vDrives inserted into the tabulation workstation can contain by-mail votes from Central, or in-person votes from Scan devices. Once the CVRs have been read and tabulated, Count can produce a variety of standard and customized reports. Verity Count also allows officials to adjudicate write-in votes from Verity Scan or Verity Central. Finally, Count also collects and stores audit logs from Verity voting devices, allowing for post-election audit and/or analysis.

- **Verity Desktop** allows authorized users to set the system date and time, export Verity application file hashes to removable USB media for software validation and import printer configuration files.

- **Verity User Management** enables users with administrative permissions to create and manage user accounts within the Verity Voting system. Depending on the component for which the accounts are created, permissions may be managed by various roles. Depending on the role, each user has access to different features of the Verity software applications and other components.

- **Verity Election Management** enables users with administrative permissions to add, copy, delete, import, export, archive, restore, and manage elections in the Verity system.

Voting Devices and Peripheral Equipment

- **Verity Print** is a pre-voting ballot production device for use by election officials and/or poll workers. Verity Print produces unmarked paper ballots. Print is paired with a commercial off-the-shelf printer to allow the user to select and print the desired ballot style based on the precinct and voter registration information. The Verity Print device is activated so the election official can print one or more blank ballots from one selected precinct at a time. Ballots can be printed on-demand for immediate use, or they can be printed in advance for additional inventory.

- **Verity Scan** is a digital scanner for paper ballots. Scan is paired with a purpose-built ballot box to ensure accurate, secure, and private ballot scanning and vote casting for each voter. Poll workers perform a minimal number of steps to open the polls and activate the Verity Scan device so that it can receive paper ballots. Once the polls are open, to vote, voters insert their ballots when Scan indicates it is appropriate, and then voters wait for Scan to indicate that the ballot has been successfully cast. Scan also supports "second chance" voting for mismarked ballots. During the election definition process in Verity Build, election officials may specify the types of mismarks for which Verity Scan should reject ballots and present voter instruction messages for "second chance voting;" officials can choose to flag undervotes, overvotes, and blank ballots, and they can also specify whether voters are required to have poll worker assistance to cast a mismarked ballot.

After scanning, each ballot's Cast Vote Record is stored on vDrive portable flash media, which can be tabulated by the Verity Count software application.

- **Verity Controller** is a poll worker facing device is configured for use with Verity Touch Writer Duo. Using Verity Controller and Touch Writer Duo, poll workers issue access codes with Verity Controller, which voters use to access, vote and print a paper vote record on Touch Writer Duo's integrated thermal printer.

- **Verity Touch Writer, Touch Writer Duo, and Touch Writer Duo Standalone** are ballot marking devices for paper ballots. Voters use the electronic interface to privately and independently make their selections on the ballot. Voters can also make selections with Verity Access, an Audio-Tactile interface (ATI) component with three tactile buttons, one audio port (for headphones), and one port for external two-switch devices. When voters finish making their selections, they print the marked ballot. Verity Touch Writer Duo Standalone does not require the use of a Verity Controller and is akin to the Touch Writer device and includes a thermal report printer. These devices all offer support for the optional AutoBallot barcode scanner. The Verity Touch Writer Duo series may be used with the optional Duo Go curbside carrier.

- **Verity Access** is an audio tactile interface (ATI) controller that is connected to Verity Touch Writer ballot marking devices as a complement to the touchscreen display, to provide additional options for accessible voting. Access has three tactile buttons, one audio port, one port for two-switch adaptive devices (such as "jelly switches" or sip-and-puff devices), and a custom USB cable. Jacks for headphones and adaptive devices are located on the top edge of the device, and the device has gripping surfaces on either side.

- **Ballot Box.** Designed to work seamlessly with the Verity Scan device, the Verity Ballot Box is designed for security and ease of deployment. Using an innovative folding design, the durable ballot box includes separate secure compartments for scanned and un-scanned ballots, and it folds to just 5" thin for easy transportation and storage.

- **Voting Booth.** The specially designed voting booth for Verity Touch Writer and Verity Touch Writer Duo includes only three parts to assemble and has durable nylon privacy screens. ADA-compliant versions of the Verity voting booth are designed to comply with VVSG requirements for accessibility.

- **Verity vDrive.** vDrives are flash memory media devices that carry the election definition from Verity Build to Verity devices, including Scan, Touch Writer and Print. vDrives also store Cast Vote Records (CVRs) and audit information. After polls are closed, vDrives can be removed from devices to transfer CVRs and/or audit logs to Verity Count. vDrives are used to store CVRs associated with scanned ballots in Verity Central. vDrives from Scan and Central are read into Count, which tabulates votes and reports results.

- **Verity Key** is a two-factor authentication device used to secure access to critical functions throughout the election. Users must have the physical device key and know the passcode associated with the physical security device. This electronic device is required for access to secure functions in the Build, Central, and Count applications.

<u>Additional Materials</u>

Hart is including the following items with this application submission:

- Certificate of Conformance and Scope of Certification Document from the U.S. Election Assistance Commission.

- Test report by an independent testing authority indicating conformance to standard for voting equipment issued by the U.S. Election Assistance Commission.

The full Technical Data Package, which includes the requested documentation, will be provided separately via the Hart InterCivic Transfer Server.

Hart InterCivic looks forward to your favorable review of this application and approval to begin the approval process for Verity Voting 2.7. For questions or additional information, please contact me at 512.299.0249 (tgosch@hartic.com).

Respectfully submitted,

Tyson Gosch
Certification Project Manager, Hart InterCivic