VENDOR APPLICATION FOR VOTING SYSTEM CERTIFICATION

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Name of the System: (include version numbers/release numbers)
Verity Voting 2.0, which is comprised of:

> Verity Data 2.0.2 – Election data management application
> Verity Build 2.0.2 – Election definition software application
> Verity Central 2.0.2 – Central scanning software application
> Verity Count 2.0.2 – Tabulation and reporting software application
> Verity User Management 2.0.2 - User management software application
> Verity Election Management 2.0.2 - Election management software application
> Verity Touch Writer 2.0.3 – Ballot marking device (BMD), with audio tactile interface
> Verity Scan 2.0.3 – Digital scanning voting device
> Verity Print 2.0.3 – Ballot production device, for on-demand printing

Type of System (i.e., DRE, Optical Scan, etc.): Digital scan for paper ballots, with BMD
(Provide a brief description of how it functions)

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 used by election 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, 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 and reporting 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 on Election Day, thereby greatly accelerating results reporting.

- **Verity Count** allows election officials to tabulate and report the results of Cast Vote Records stored on vDrives, as well as other system-wide reporting functions, such as comprehensive access to voting device audit logs, for example. vDrives inserted into the tabulation and reporting 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 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 election data in the Verity system.

- **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 simply 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, or not. 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 Scan is capable of printing reports with ballot count totals or unofficial tally results in the polling place. Verity Scan includes a compact and durable integrated storage case, for secure, easy transportation and storage.

- **Verity Touch Writer** is a ballot marking device for paper ballots. Touch Writer's electronic interface is paired with a commercial-off-the-shelf (COTS) printer, so that voters can mark selections electronically, review their selections, and then print a marked ballot that is the same format as ballots produced for voters who hand-mark their ballots. Because Verity Touch Writer prints a complete ballot from blank stock, including voter selections, it provides true equality of access for all voters. Poll workers perform a minimal number of steps to open the polls and activate the Verity Touch Writer device so that it is ready to receive a voter's activation code; this allows voters to activate their ballot session by entering an anonymous Access Code, privately.   The removable vDrive flash memory on Verity Touch Writer allows its audit logs to be transferred to the Verity Count workstation for review. It is important to note that Touch Writer is a ballot marking device only, and as such it does not store electronic cast vote records. Ballots marked with Verity Touch Writer are cast by inserting them into a Verity Scan device. Like Verity Scan, Touch Writer includes a compact and durable integrated storage case, for secure, easy transportation and storage.

- **Verity Access** is an audio tactile interface (ATI) controller that is connected to Verity Touch Writer voting devices, as a complement to the touchscreen display, in order to provide additional options for accessible voting. Access has three tactile buttons, one audio port, and one port for two-switch adaptive devices (such as "jelly switches" or sip-and-puff devices). 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, light weight, 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.** Like the Verity Ballot Box, the specially designed voting booth for Verity Touch Writer is designed for light weight and easy set up. The booth includes only three parts to assemble, and it also includes durable nylon privacy screens. The Verity voting booth is also designed to comply with VVSG requirements for accessibility and controls within reach.

- **Verity vDrive.** vDrives are flash memory media devices that carry the election definition from Verity Build to Verity devices, including Scan and Touch Writer. vDrives also store Cast Vote Records (CVRs) and audit information. After polls are closed, vDrives can be removed from Scan or Touch Writer to transfer CVRs and/or audit logs to Verity Count. vDrives are also 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. Two-factor authentication means that users must have the physical Key device, which is similar to a USB token, as well as knowing 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, including tasks such as accepting ballot styles, opening new election functions, and tabulating votes.

What functions do you want to certify in the State of Washington? (Provide electronic copies of operating and maintenance manuals, training materials, technical and operational specifications, etc.)
We would like to certify the following functions in the State of Washington:
- 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

The full Technical Data Package as submitted to the Election Assistance Commission, which includes the requested documentation, is provided on the USB drive that is included in the application materials.

Is this a modification of a system currently certified with Washington State?
If so, provide a brief description of the extent of the changes as well as a list that describes in complete operational and technical detail all differences between the originally certified equipment or system and the modified equipment or system.
Verity Voting 2.0 is a modification of Verity Voting 1.0, which is currently certified with Washington State.

In addition to the devices and features included in Verity Voting 1.0, the following new products relevant to the State of Washington are introduced in 2.0:
- Data: The Data software application provides capabilities to enter jurisdiction and election-specific data for an election, including contests, parties, propositions, and audio. Verity Data replaces Verity Layout's role in the 1.0 configuration.
- Print: A ballot production device that provides poll workers and/or election staff the ability to select the ballot style and print an unmarked ballot; especially well-suited for convenience voting applications, such as Early Voting or Vote Centers, where many electronic ballot styles are available in a single polling location, and physical ballots for particular styles can be printed as-needed.

A list of deltas from Verity Voting 1.0 to Verity Voting 2.0 that is relevant to the State of Washington is provided as an attachment to this application.

Is the system certified or used in other states? (Which states?).
Verity Voting 2.0 has not yet been certified or used in other states. It only recently completed the federal EAC certification process.

Does the system comply with Washington state law, including the ability to handle Washington's "split precincts"?
Verity Voting 2.0 complies with Washington state law, including the ability to handle split precincts.