

VENDOR APPLICATION FOR VOTING SYSTEM CERTIFICATION

Vendor Name: Clear Ballot Group

Vendor Address: 7 Water Street, 7th floor Boston, Massachusetts 02109

Name and Telephone Number of Technical Support: Edwin Smith 720-849-1775

Name of the System: (include version numbers/release numbers): ClearVote version 1.3

Type of System (i.e., DRE, Optical Scan, etc.):
(Provide a brief description of how it functions)

ClearVote is an optical scan voting system with ballot marking device. Every voter ends the process with a paper ballot. Please see the attached file *ClearVote Functional Overview Diagram*.

The ClearVote system comprises three components:

ClearDesign – ClearDesign is the ballot layout software in the ClearVote system. It runs on Linux and allows for a server-client architecture. ClearDesign allows for the import of jurisdiction information such as geographic data, ballot text, and business logic rules (such as vote for n). ClearDesign allows the jurisdiction to rapidly try different layout parameters such as varying the number of columns on the ballot, ballot length, and other parameters to obtain an optimal layout. Languages and associated text are easily produced or imported. ClearDesign has over 70 proofing reports to aid the jurisdiction in assuring the quality of the finished ballot. ClearDesign then exports digitally signed pdf packages for the ballot printer as well as machine programming files for ClearAccess and ClearCount.

ClearAccess – ClearAccess is for in-person voting and carries accessible voting features. Voters approach the ClearAccess voter terminal (or with a 2-in-1 laptop and battery powered printer, ClearAccess can come to the voter) and is situated at the station. The Pollworker selects the appropriate ballot style or precinct for that voter then can exit the area or assist the voter to select options in ClearAccess such as font size and color scheme. After the voter completes their selections and review, their ballot is printed. Jurisdictions typically place a blank ballot into the printer and have the printer produce a “marks only” ballot, but a blank piece of ballot stock can also be used and ClearAccess will print a ballot in whole (ballot content plus voter marks).

ClearCount – ClearCount is the heart of the ClearVote system and provides for central ballot scanning, results reporting, and adjudication/write-in resolution. ClearCount runs on a closed, isolated Ethernet network in which a ScanServer running Linux is attached to one or more scanners. Each scanner is attached via USB to a ScanStation computer. ClearCount has been tested with Fujitsu and ibml brand scanners to provide a range of scan capacities. Additional computers (Election Administration Stations) can be attached to the network and used to obtain operational reports before polls close and results reports after polls close. There are a number of native reports available from ClearCount; and an additional reporting tool in ClearCount allows for custom, on-the-fly, reports to be defined and generated as needed. Ballots

can be adjudicated through ClearCount. Additional Election Administration Stations are attached to the closed network for adjudication. When the Write-In Tool is also installed on an Administration Station it is used to display the images of write-in blocks in each contest so that the adjudication board can resolve the voter's write-in choice to candidate names.

See the attached file *ClearCount Ballot Scanning Architecture* for details regarding the high speed central count scanning system configuration.

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.)

Clear Ballot wishes to certify the following:

- ClearDesign: jurisdiction import, ballot layout and proofing, machine programming
- ClearAccess: ballot display, marking, and accessible voting, mobile accessible voting
- ClearCount: high speed scanning and scan management, results reporting, adjudication including write-in adjudication

The full TDP plus training materials for each component product is being sent along with a hard copy of this Application to the Office of the Secretary of State.

Is this a modification of a system currently certified with Washington State? No

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.

Is the system certified or used in other states? (Which states?). Yes

New York State (ClearCount only)

Florida (ClearCount only, being used for audit)

Oregon (ClearDesign and ClearCount)

Colorado (ClearDesign, ClearAccess, and ClearCount)

Does the system comply with Washington state law, including the ability to handle Washington's "split precincts"?

Clear Ballot staff members have reviewed WAC 434-335 and RCW 29A.04 and 29A.12 as well as other sections of Washington statute and Rule to confirm that ClearVote complies with Washington state law including the ability to program and report split precincts.