

VENDOR APPLICATION FOR VOTING SYSTEM CERTIFICATION

Vendor Name: **Dominion Voting Systems, Inc.**

Vendor Address: **1201 18th Street, Suite 210, Denver CO 80202**

Name and Telephone Number of Technical Support:

Sheree Noell Phone: (559) 592-6601

Waldeep Singh Phone: (916) 803-6769

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

Democracy Suite 4.14-D

- 1. Election Management System (EMS) 4.14.37**
- 2. ImageCast Central (ICC) 4.14.17**
- 3. ImageCast Precinct (ICP) 4.14.17**
- 4. ImageCast Evolution (ICE) 4.14.21**

Additional State Functionality

- ICC DRS Scanner**

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

The Dominion Voting Systems Democracy Suite 4.14-D System is a paper-based optical scan voting system. The certified system consists of four major components:

- 1. The Election Management System (EMS)**
- 2. ImageCast Evolution (ICE) precinct scanner with optional ballot marking capabilities**
- 3. ImageCast Central (ICC) central count scanner**

1. Election Management System

The Dominion Voting Systems Democracy Suite 4.14-D EMS consists of eleven components running as either a front-end/client application or as a back-end/server application. Below is a list and brief description of each.

- Democracy Suite 4.14-D EMS Election Event Designer client application - integrates election definition functionality and represents a main pre-voting phase end-user application.**
- Democracy Suite 4.14-D EMS Results Tally and Reporting client application – integrates election results acquisition, validation, tabulation, reporting and publishing capabilities and represents a main post-voting phase end-user application.**

- **Democracy Suite 4.14-D EMS Audio Studio client application** - represents an end-user helper application used to record audio files for a given election project. As such, it is utilized during the pre-voting phase of the election cycle.
 - **Democracy Suite 4.14-D EMS Data Center Manager client application** - represents a system level configuration application used in EMS back-end data center configuration.
 - **Democracy Suite 4.14-D EMS Application Server application** - represents a server side application responsible for executing long running processes, such as rendering ballots, generating audio files and election files.
 - **Democracy Suite 4.14-D EMS Network Attached Storage (NAS) Server application** – represents a server side file repository for election project file based artifacts, such as ballots, audio files, reports, log files, and election files.
 - **Democracy Suite 4.14-D EMS Database Server application** - represents a server side RDBMS repository of the election project database which holds all the election project data, such as districts, precincts, candidates, contests, ballot layouts, tabulators, vote totals, and poll status.
 - **Democracy Suite 4.14-D EMS Election Data Translator (EDT)** – Exports and Imports data in a format suitable for rapid interaction with Election Event Designer (EED).
 - **Democracy Suite 4.14-D EMS Adjudication** – Represents the server and client components responsible for adjudication, including report and generation of adjudicated result files from ImageCast Central tabulators.
 - **Democracy Suite 4.14-D EMS Adjudication Service** – Represents a server side application which provides ballot information, such as contests, candidates and their coordinates from EMS to the Adjudication application.
 - **Democracy Suite 4.14-D EMS File System Service** – A stand-alone services that runs on client machines, enabling access to low level operating system API for partitioning CF cards and reading raw partition data on the ICP CF card.
2. **The ImageCast Evolution (ICE) precinct ballot tabulator** – It employs a precinct-level optical scan ballot counter (tabulator) in conjunction with an external ballot box. This tabulator is designed to mark and/or scan paper ballots, interpret voting marks, communicate these interpretations back to the voter (either visually through the integrated LCD display and/or audibly via integrated headphones), and upon the voter’s acceptance, deposit the ballots into the secure ballot box. The tabulator also features binary input devices which permit voters who cannot negotiate a paper ballot to generate a synchronously human and machine-readable ballot from elector-input vote selections (ADA sessions). The supported binary input devices include a Sip and Puff device, Foot Pedals, and Audio Tactile Interface (ATI). The addition of the external monitor added in this modification allows for simultaneous ADA and ballot casting sessions. In this sense, the ImageCast Evolution acts as a ballot marking device. These devices are interchangeable and may be shared between the ICE and ICP units. Additionally, ballots marked by the ImageCast Evolution may be subsequently scanned on the ImageCast Precinct or the ImageCast Central if a recount is required.

3. **ImageCast Precinct (ICP) precinct ballot tabulator** –The ImageCast Precinct is a precinct-based optical scan ballot tabulator that is used in conjunction with ImageCast-compatible ballot storage boxes. The system is designed to scan marked paper ballots, interpret voter marks on the paper ballot, and safely store and tabulate each vote from the paper ballot. Like the ImageCast Evolution, the ImageCast Precinct also supports enhanced accessibility voting which is enabled by connecting the interchangeable Sip-and-Puff device, Foot Pedals, or Audio Tactile Interface (ATI).
4. **ImageCast Central (ICC) central count scanner** – The ImageCast Central Count system is a high-speed, central ballot scan tabulator based on Commercial off the Shelf (COTS) hardware, coupled with the custom-made ballot processing application software. It is used for high speed scanning and counting of paper ballots. The workstation can be deployed in a stand-alone or networked configuration, allowing for automatic results transfers to the EMS Datacenter. For the Canon scanners, the central scanning system hardware consists of a combination of two COTS devices used together to provide the required ballot scanning processing functionality; a scanner, which is used to provide ballot scanning and image transfers to the local ImageCast Central Workstation, and a COTS computer used for ballot image and election rules processing and results transfer to the EMS Datacenter. The ImageCast Central Workstation is COTS hardware which executes software for both image processing and election rules application. In the case of the DRS PhotoScribe scanners, a COTS computer is built in to the scanner unit and is not a separate device. The COTS scanners supported by D-Suite 4.14-D are:
 - Canon DR-X10C Scanner
 - Canon DR-G1130 Scanner
 - DRS PhotoScribe PS960 Models A
 - DRS PhotoScribe PS960 Model B
 - DRS PhotoScribe PS976

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.

Dominion wishes to certify all functionality appropriate for the state of WA. Current documents are on the enclosed CD.

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.

No.

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

Yes. Below is a list of all state election authorities that have tested and approved the system for use:

1. **State of New York (system version 4.9, has New York specific ballot layouts and election rules)**

- 2. State of New Jersey (system versions 4.5 and 4.15, has New Jersey specific ballot layouts)**
- 3. State of Louisiana (central count vote capture only, not ImageCast Precinct)**
- 4. Commonwealth of Virginia (system version 4.14)**
- 5. State of Ohio (system versions 4.6 & 4.14)**
- 6. State of Tennessee (system versions 4.6 & 4.14)**
- 7. State of Missouri (system version 4.6)**
- 8. State of Iowa (system versions 4.6 & 4.14)**
- 9. State of Florida (system version 4.14)**
- 10. State of New Mexico (system version 4.14)**

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

Yes.