COLORADO SECRETARY OF STATE
Elections Division

Application for Certification or Modification of a Voting System

This application is for: (check one)

☐ Certification of a Voting System ☐ Temporary Approval/Use ☒ Modification of a Voting System

Vendor Contact Information		
Name of Vendor Dominion Voting Systems		
Address 120118th Street		
Address Suite 210		
City Denver	State Colorado	Zip Code 80011
Person to Contact Nick Iklonomakis		
Telephone 303-482-5668	Fax 303-291-3909	E-mail nick.ikonomakis@dominionvoting.com

Equipment Information	
Make Democracy Suite	Model(s) 5.11-CO
Description of each major subsystem or component: (including if it is required or optional) EMS: Election Management System software that operates on a COTS server. It provides components for designing election databases, ballot artwork styling and generation, programming ballot scanning and BMD stations, and tally of results and reporting. Additionally, the EMS provides the ability to adjudicate scanned ballots from the ICC. ICC: ImageCast Central workstation and scanner that operates on a COTS computer with a COTS scanner (Canon DR-X10C, DR-G1130, DR-M160II; InterScan 821dd HiPro) to count paper ballots. ICX: ImageCast X is a ballot marking device that operates on COTS tablets (AValue and Samsung) and prints ballots on COTS printers (HP M402dne). These devices are used at VSPCs to allow voters to mark and print ballots that can be verified by the voter prior to casting and can be read by an ICC scanner. ICVA: ImageCast Voter Activation is an application that operates on a COTS laptop and allows poll workers to create activation cards for voters utilizing the ICX BMD devices.	

Software/Firmware Information	
All applicable version, release, and firmware numbers **Democracy Suite 5.11-CO EMS Software Platform Components**	

Software	Version
EMS Election Event Designer (EED)	5.11.3.1
EMS Results Tally and Reporting (RTR)	5.11.3.1
EMS Election Data Translator (EDT)	5.11.3.1
EMS File System Service (FSS)	5.11.3.1
EMS Audio Studio (AS)	5.11.3.1
EMS Data Center Manager (DCM)	5.11.3.1
EMS Application Server (APPS)	5.11.3.1
EMS Adjudication Services	5.11.3.1
EMS Adjudication Client	5.11.3.1

Smart Card Helper Service (SCHS)	5.11.3.1

Democracy Suite 5.11-CO EMS Client Application Software Components

Software
Microsoft Windows 10
Microsoft Windows Server 2016
Microsoft SQL Server 2016
Microsoft .NET Framework 4.6.1
Microsoft Visual C++ 2013 Redistributable
Microsoft Visual C++ 2015 Redistributable
Dallas 1-Wire Device Driver version 4.0.5 or newer
Adobe Reader DC or later

Democracy Suite 5.11-CO ICC Platform Components

Software	Version
Microsoft Windows 10	COTS
ImageCast Central Application	5.11.3.2
Microsoft Visual C++ 2015 Redistributable	COTS
Dallas Maxim 1-Wire driver	4.0.5, 64-bit
HiPro 821dd driver	1.1.2.0
Canon DR-X10C driver	1.15 SP3
Canon DR-G1130 driver	1.2 SP6
Canon DR-M160II driver	M160II_DRIT_V12SP6

Democracy Suite 5.11-CO ICX Platform Components

Software	Version
ICX Client	5.11.4.2
ImageCast Voter Activation (ICVA)	5.11.3.1
Smart Card Helper Service (SCHS)	5.11.3.1
Microsoft Windows 10 (ICVA)	COTS
Android 4.4 (ICX Samsung Galaxy Tab Pro)	COTS
Android 5.0 (ICX Samsun Galaxy Note Pro)	COTS
Android 8.1 (ICX Classic)	COTS

Federal Testing Information
NASED or EAC Qualification or Certification Number(s): DVS-DemSuite5.5

Rule 21.3.6– Trusted Build Documentation
☒ Trusted Build Installation Instructions

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Rule 21.4.4 and 21.4.11(a) – External Test Documentation *(check all that apply)*
☒ An application penetration test conducted to analyze the system for potential vulnerabilities
☒ A source code evaluation conducted in accordance with Software Design and Coding Standards of the 2002 Voting System Standard
☒ A complete report detailing all findings and recommended compensating controls for vulnerabilities and deficiencies
☒ VSTL test documentation
☒ Other State test documentation

Rule 21.4.6(b) - Physical and Design Characteristics Documentation
☒ Drawings, photographs and any related brochures or documents

Rule 21.4.10(c), 21.4.10(d)(1) and 21.4.11(b)(5) - Database and Operating System Documentation *(check all that apply)*
☒ Database Hardening Procedure
☒ Operating System Hardening Procedure
☒ Minimum services and executables required to run the voting system application

Rule 21.4.11(b), (i), (j), and (k) – General Documentation *(check all that apply)*
☒ Standard issue users/operator manual
☒ System administrator/application administration manual
☒ Training manual and related materials
☒ Election definition programming and diagnostics manuals
☒ Minimum services needed for the successful, secure and hardened operation of all components of the voting system
☒ Security measures for all systems, software, devices (upload, download, and other programming devices) that act as connectors and any additional recommended security measures
☒ Processing standards for each component of the voting system
☒ Detailed information as to the type of hardware required to execute the software
☒ A statement of all requirements and restrictions regarding environmental protection, electrical service, telecommunications service and any other facility or resource required for the installation, operation and storage of the voting system

Rule 21.4.11(d) – Battery Documentation *(check all that apply)*
☒ The steps and times required for charging batteries for each type of device submitted for certification
☒ Estimated time of battery operation for each type of device submitted for certification, assuming continuous use of the devices by voters during an interruption of normal electrical power

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Rule 21.4.11(g) – Audit Documentation *(check all that apply)*

Documentation that includes the location and a description of the content of the audit trail information that applies to:

☒ Operating systems
☒ Election management system
☒ Election tabulation devices

Rule 21.4.11(h) - Voting System Security Documentation *(check all that apply)*

The documentation must contain configurations, properties and procedures to prevent, detect and log changes to system capabilities for:

☒ Defining ballot formats
☒ Casting and recording votes
☒ Calculating vote totals consistent with defined ballot formats
☒ Reporting vote totals
☒ Altering of voting system audit records
☒ Changing or preventing the recording of a vote
☒ Introducing data for a vote not cast by a registered voter
☒ Changing calculated vote totals
☒ Preventing access to vote data, including individual votes and vote totals, to unauthorized individuals
☒ Preventing access to voter identification data and data for votes cast by the voter

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The applicant shall be responsible for providing confidential or other "trade secret" documentation in a separate binder and/or electronic media with the information clearly marked as "confidential" or "trade secret" pursuant to section 24-72-204(3)(IV), C.R.S.

In making application for certification of the voting system listed above, I assert that the system meets the requirements of the Colorado Secretary of State Election Rules (8 CCR 1505-1).

Nick Ikonomakis
Name

Signature

VP, Engineering
Title

6/6/2019
Date