

This application is for: (check one)

COLORADO SECRETARY OF STATE

Elections Division

Application for Certification or Modification of a Voting System

Certification of a Voting Sy	stem Temporary A	pproval/Use	Modification of a Voting System
Vendor Contact Information			
Name of Vendor			
Dominion Voting Systems			
Address			
PO Box 343			
Address			
City	State		Zip Code
Broomfield	Colorado		80038
Person to Contact			
Nick Ikonomakis			
Telephone	Fax		E-mail
416-762-8683 x223			nick.ikonomakis@dominionvoting.com
Equipment Information			
Make		Model(s))
Democracy Suite		5.17-CO)
Description of each major sub			
			S server. It provides components for designing
			g ballot scanning and BMD stations, and tally of
			judicate scanned ballots from the ICC and also
provides the ability to conduc			
			OTS computer with a COTS scanner (Canon DR-
X10C, Canon DR-G1130, DR			
			ablets (Avalue) and prints ballots on COTS
			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.			
			a COTS laptop and allows poll workers to create
activation cards for voters util	izing the ICX BMD device	es.	
Software/Firmware Information	on		
All applicable version, release			
Democracy Suite 5.17-CO E	MS Software Platform C	omponents	
Software			
EMS Election Event Designer (EED) 5.17.17.1			
EMS Results Tally and Reporting (RTR) 5.17.17.1			
EMS Election Data Translator (EDT) 5.17.17.1			
EMS File System Service (FSS) 5.17.17.1			
EMS Audio Studio (AS) 5.17.17.1			
EMS Data Center Manager (DCM) 5.17.17.1			
EMS Application Server (APPS) 5.17.17.1			
EMS Adjudication Services 5.17.14.1			



Elections Division

Application for Certification or Modification of a Voting System

EMS	Adjudication Client 5.17.	14.1

EMS Logger 5.17.17.1

Smart Card Helper Service (SCHS) 5.17.17.1

Democracy Suite 5.17-CO EMS Standard Server Platform Components

Software

Microsoft Windows Server 2019 (v1809)

Microsoft SQL Server 2019 Standard with SP2

Microsoft SQL Server 2019 Management Studio

Microsoft IIS (part of Windows installation, not a separate item)

Microsoft .NET Framework 3.5

Microsoft .NET Framework 4.8

Microsoft Visual C++ 2013 Redistributable

Microsoft Visual C++ 2015 Redistributable

Microsoft Windows Defender

Arial Narrow Fonts 2.37a

Cepstral Voices (English, Spanish, etc.) 6.2.3

Hardware

Dell PowerEdge R640

Dell PowerEdge R630

Dell PowerEdge T630

Dell PowerEdge R710

Ethernet Switch: Dell x1026

Ethernet Switch: Dell x1018

Ethernet Switch: Dell N1524

Ethernet Switch: Cisco 24-port Switch (CBS350-24T-4G)

Mini-Server Rack: StarTech RK1236BKF (for rackmount components)

Rack Power Distribution Unit: APC AP9562 (for rackmount components)

UPS: Tripp Lite SMART1500RMXL2U (for rackmount components)

Democracy Suite 5.17-CO EMS Express Server Platform Components

Software

Microsoft Windows 10 Professional (Build 21H2)

Microsoft Access Database Engine 2010

Microsoft SQL Server 2019 Express with Advanced Services

Microsoft SQL Server 2019 Management Studio

Microsoft IIS (part of Windows installation, not a separate item)

Microsoft .NET Framework 3.5

Microsoft .NET Framework 4.8

Microsoft Visual C++ 2013 Redistributable

Microsoft Visual C++ 2015 Redistributable

Microsoft Windows Defender

Open XML SDK 2.0 for Microsoft Office

Dallas 1-Wire Device Driver version 4.1.0

Adobe Reader DC

Arial Narrow Fonts 2.37a

Cepstral Voices (English, Spanish, etc.) 6.2.3

(Optional) Microsoft Excel 2010 or later



Elections Division

Application for Certification or Modification of a Voting System

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Dell Precision 3460 XE

Dell Precision 3450 XE

Dell Precision 3440 XE

Dell Precision T3420

Dell Precision T1700

Ethernet Switch: Dell x1008

Ethernet Switch: Cisco 8-port Switch (CBS350-8T-E-2G)

Democracy Suite 5.17-CO EMS Client Application Platform Components

Software

Microsoft Windows 10 Professional (Build 21H2)

Microsoft Access Database Engine 2010

Microsoft .NET Framework 3.5

Microsoft .NET Framework 4.8

Microsoft Visual C++ 2013 Redistributable

Microsoft Visual C++ 2015 Redistributable

Microsoft Windows Defender

Open XML SDK 2.0 for Microsoft Office

Dallas 1-Wire Device Driver version 4.1.0

Adobe Reader DC

Arial Narrow Fonts 2.37a

(Optional) Microsoft Excel 2010 or later

Hardware

Dell Precision 3460 XE

Dell Precision 3450 XE

Dell Precision 3440 XE

Dell Precision T3420

Dell Precision T1700

Democracy Suite 5.17-CO Auxiliary Components Common to EMS Platforms

Hardware

iButton to 1-Wire USB Adapter: Dallas Maxim DS1402-RP8+

iButton Reader/Writer: Dallas Maxim DS9490R#

Smart Card Reader: Advanced Card Systems ACR38U

Smart Card Reader: Advanced Card Systems ACR39U

Smart Card Reader: HID Global Omnikey 3121

LCD Monitor: Dell P2422H

LCD Monitor: Dell P2419H

LCD Monitor: Dell P2417H

Keyboard, Mouse, Headset with microphone, Audio Adapter - COTS computing accessories

UPS: APC SMT1500 Smart-UPS

UPS: APC SMT1500C Smart-UPS

UPS: CyberPower PR1500LCD

UPS: CyberPower PR1500LCD-VTVM

UPS: APC BR1000G

EMS Report Printer: Canon LBP6230DW laser or equivalent



Elections Division

Application for Certification or Modification of a Voting System

EMS Report Printer: HP LaserJet M404dn or equivalent

Democracy Suite 5.17-CO Election Media Components

Hardware

iButton (Pollworker): Dallas Maxim DS1963S-F5+ (w/Black Key Ring Mount DS9093A+)

Compact Flash Memory (16GB): Centon C4-CM-CF-16.4

USB Memory Device (128GB): Apricorn Aegis ASK3-NX-128GB

USB Memory Device (32GB): Apricorn Aegis ASK3-NX-32GB

USB Memory Device (120GB): Apricorn Aegis ASK3-120GB

USB Memory Device (30GB): Apricorn Aegis ASK3-30GB

USB Memory Device (16GB): Centon (BiCS4) C4-CT-U3P2-16.3

USB Memory Device (16GB): Centon S4-CM-U3P2-16.1

USB Memory Device (8GB): Centon (BiCS4) PN: C4-CT-U3P2-8.3

USB Memory Device (8GB): Centon S4-CM-U3P2-8.1

USB Memory Device (16GB): Apacer EH353-M APHA016GAG0CG-3TM

USB Memory Device (8GB): Apacer EH353-M APHA008GAG0CG-3TM

Smart Cards: ACOS-6-64

Democracy Suite 5.17-CO ICVA Platform Components

Software

Microsoft Windows 10 Professional (Build 21H2)

ImageCast Voter Activation Application 5.17.17.1

Smart Card Helper Service (SCHS) 5.17.17.1

Microsoft .NET Framework 3.5

Microsoft .NET Framework 4.8

Microsoft Windows Defender

Hardware

Dell Latitude 3330

Dell Latitude 3420

Dell Latitude 3410

Dell Latitude 3400

Dell Latitude 3490

Dell Latitude e3480

Dell Latitude e3470

Dell Latitude e7450

Dell Latitude e7470

Smart Card Reader: Advanced Card Systems ACR38U

Smart Card Reader: Advanced Card Systems ACR39U

Smart Card Reader: HID Global Omnikey 3121

Democracy Suite 5.17-CO ICC Platform Components

Software

Microsoft Windows 10 Professional (Build 21H2)

ImageCast Central Application 5.17.15.1

Microsoft .NET Framework 3.5

Microsoft .NET Framework 4.8

Microsoft Windows Defender

Microsoft Visual C++ 2015 Redistributable



Elections Division

Application for Certification or Modification of a Voting System

Dallas Maxim 1-Wire driver 4.1.0
HiPro 821dd driver 1.3.0.4
Canon DR-X10C driver 1.15 SP3
Canon DR-G1130 driver 1.2 SP6
Canon DR-G2140 driver 1.1 SP2
Canon DR-M160II driver 1.2 SP6
Hardware - Canon
Dell Optiplex 3050 AIO
Dell Optiplex 7440 AIO
Dell Optiplex 9030 AIO
Dell Precision 3440 XE with Monitor
Dell Precision 3450 XE with Monitor
Dell Precision 3460 XE with Monitor
Monitor: Planar PCT2235
Scanner: DR-G2140 (FW 1.23) with optional post-imprinter
Scanner: DR-G1130 v1 (FW 1.33) with optional post-imprinter
Scanner: DR-G1130 v2 (FW 2.02) with optional post-imprinter
Scanner: DR-X10C (FW 2.8)
Scanner: DR-M160II (FW 2.02)
Hardware - HiPro
Dell Optiplex XE4 with Monitor
Dell Optiplex XE3 with Monitor
Dell Optiplex 7050 with Monitor
Dell Optiplex 7060 with Monitor
Monitor: Lenovo 10QXPAR1US
Monitor: Lenovo 11GCPAR1US
Monitor: Dell P2418HT
Scanner: InterScan HiPro 821dd with integrated imprinter
iButton to 1-Wire USB Adapter: Dallas Maxim DS1402-RP8+
iButton Reader/Writer: Dallas Maxim DS9490R#

iButton to 1-Wire USB Adapter: Dallas Maxim DS1402-RP8+
iButton Reader/Writer: Dallas Maxim DS9490R#
Democracy Suite 5.17-CO ICX Platform Components
Software
ICX Application 5.17.17.1
Android 8.1.0-2.2.4 (ICX Classic)
Google TTS 3.15.18
Hardware
ICX Tablet: Avalue SID-21V-Z37 (ICX Classic)
UPS: APC SMT1500 Smart-UPS (for HP M402dne printer configurations only)
UPS: APC SMT1500C Smart-UPS (for HP M402dne printer configurations only)
UPS: CyberPower PR1500LCD
UPS: CyberPower PR1500LCD-VTVM
Printer: HP M402dne
Printer: Avision AP3061
Printer: HP M404dn
(Optional) Headphone: Cyber Acoustics ACM-70, ACM-70B or equivalent
(Optional) Sip & Puff: Enabling Devices #972

(Optional) Sip & Puff Straws: Enabling Devices #970K



Elections Division

Application for Certification or Modification of a Voting System

(Optional) Paddle Switches: AbleNet 10033400 (2x)

(Optional) Paddle Switch Cable: Hosa Technology YMM-261 (for use with AbleNet switches)

(Optional) Accessible Tactile Interface (ATI-USB) box

(Optional) ICX Classic BMD Transport Bag

(Optional) ICX Voting Booth

Federal Testing Information

NASED or EAC Qualification or Certification Number(s):

DVS-DemSuite5.17

Rule 21.3.6- Trusted Build Documentation

☐ Trusted Build Installation Instructions

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
- ∇STL 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)

- 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



Elections Division

Application for Certification or Modification of a Voting System

- 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

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	VP, Engineering
Name / /	Title
March	
1////	_02/14/2023
Signature	Date