


# INVITATION TO BID

State of Ohio  
Department of Administrative Services  
General Services Division  
Office of Procurement Services

The Original Signed Bid must be submitted to the Office of Procurement Services to receive consideration for award.		BIDDER NAME <b>Dominion Voting Systems, Inc.</b>	
BID NUMBER <b>OT902619</b>	OPENING DATE (1:00 p.m.) <b>October 26, 2018</b>	STREET ADDRESS <input type="checkbox"/> Check if remit address is different and list on separate sheet <b>1201 18th Street, Suite 210</b>	
General Services Division Office of Procurement Services 4200 Surface Road Columbus, OH 43228-1395 Attn: Bid Desk		CITY <b>Denver</b>	STATE <b>CO</b>
		ZIP <b>80202</b>	
		COUNTY <b>City and County of Denver</b>	MBE/EDGE CERTIFICATE NUMBER
		TELEPHONE NO. <b>( 828 ) 301-7670</b>	TOLL FREE NO. <b>1 - ( 866 ) 654-8683</b>
REQ./INDEX NO. <b>MAC113</b>		BID NOTICE DATE <b>September 27, 2018</b>	CONTACT PERSON <b>Mark Beckstrand</b>
		CONTRACTOR'S E-MAIL ADDRESS <b>mark.beckstrand@dominionvoting.com</b>	
SELECT YOUR PREFERRED METHOD OF RECEIVING PURCHASE ORDERS AND ENTER THE E-MAIL OR FAX NUMBER INFORMATION (ONLY SELECT ONE METHOD)			
<input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Fax			
In addition to the standard terms for payment, the payment terms for state agency(ies) will be 2% <del>10 Days</del> , <del>Net 30 Days</del> unless otherwise stated in the following space. If no discount is offered, bidder should circle "Net 30 Days". _____%, _____Days <b>Net 30 Days</b>			
PARTICIPATING AGENCY(IES): ALL STATE AGENCIES, AND PROPERLY REGISTERED COUNTIES, TOWNSHIPS, MUNICIPAL CORPORATIONS, REGIONAL TRANSIT AUTHORITIES, REGIONAL AIRPORT AUTHORITIES, PORT AUTHORITIES, SCHOOL DISTRICTS, CONSERVANCY DISTRICTS, TOWNSHIP PARK DISTRICTS AND PARK DISTRICTS, PURSUANT TO SECTION 125.04(B) OF THE OHIO REVISED CODE, THE COOPERATIVE PURCHASING ACT. STATE UNIVERSITIES, STATE VOCATIONAL SCHOOLS, STATE COMMUNITY COLLEGES OR OTHER INSTITUTIONS OF HIGHER EDUCATION MAY USE THESE CONTRACTS. SUCH USE, HOWEVER, IS BASED UPON EACH ENTITY'S PROCUREMENT AUTHORITY.			
THE DEPARTMENT OF ADMINISTRATIVE SERVICES, OFFICE OF PROCUREMENT SERVICES, IS SOLICITING BIDS FOR:			
<b>Voting Systems</b>			
<b>TERM OF CONTRACT:</b> This Invitation to Bid is to establish a requirements contract to procure the described supplies or services on behalf of the above participating agency(ies). The agency(ies) may place orders against the Contract beginning <u>11/05/18</u> or upon the date when DAS signs the Contract, whichever is later in time. The Contract will expire <u>06/30/23</u> unless DAS terminates the Contract based upon reasons set forth in the Standard Contract Terms and Conditions. No agencies may place purchase orders against the Contract beyond the expiration date unless DAS renews the Contract by amendment. The Contractor may begin performance under the Contract only upon receipt of a valid order from a participating agency.			
<b>CONTRACT RENEWAL:</b> This Contract may be renewed after the ending date of the Contract solely at the discretion of the Contracting Agency for a period of one month. Any further renewals will be by mutual agreement between the Contractor and the Contracting Agency for any number of times and for any period of time. The cumulative time of all mutual renewals may not exceed <u>36</u> months unless the Contracting Agency determines that additional renewal is necessary.			
<b>INSTRUCTIONS TO BIDDERS</b> and <b>STANDARD TERMS AND CONDITIONS</b> , Revised 01/01/18, are a part of this Invitation to Bid. Copies may be downloaded by clicking the link above. All prior versions of Instructions to Bidders, Contract Terms and Conditions are null and void.			
Contract Components. Once awarded, the Contract will consist of: the complete Invitation to Bid, including the Instructions to Bidders, the Standard Contract Terms and Conditions, any Special Contract Terms and Conditions, the bid specifications and any written addenda or amendments to the Invitation to Bid or Contract; the completed competitive sealed bid, including proper modifications, clarifications and samples; and applicable, valid State of Ohio purchase orders or other ordering documents ("Contract").			
<b>INQUIRIES:</b> All inquiries should be submitted a minimum of five (5) working days prior to the bid opening date through the Procurement website, <a href="http://procure.ohio.gov/">http://procure.ohio.gov/</a> . Locate the "Quick Links" menu on the right, select "Bid Opportunities Search"; Step 1, enter the "Bid Number; Step 2, click "Search"; Step 3, click the "Document/Bid Number." The "Submit Inquiry" button is at the bottom right of the Opportunity Detail page. Bidders will not receive a personalized e-mail response to their question, nor will they receive notification when the question is answered. Responses may be viewed by clicking the "View Q & A" button located beneath the "Submit Inquiry" button.			
Nicole Nollette EVP Operations	AUTHORIZED SIGNATURE (ORIGINAL SIGNATURE ONLY) (Please sign in blue ink) 		DATE <b>October 16, 2018</b>

The ORIGINAL signed Bid must be submitted to the Office of Procurement Services by 1:00 o'clock p.m., on the above listed opening date to receive consideration for award. It is requested that the Bidder NOT sign their bid in BLACK ink. BIDDER CERTIFIES, by signature affixed to its bid, that the information provided by it in its bid including the certified statements, is accurate and complete. Bidder declares to have read and understood and agrees to be bound by all of the instructions, terms, conditions and specifications of this Invitation to Bid and agrees to fulfill the requirements of any awarded contract at the prices bid.

Effective: 01/01/18

D.W

10-26-18

I HEREBY CERTIFY THAT THIS BID  
WAS PROPERLY SEALED, OPENED  
AND READ PUBLICLY IN  
ACCORDANCE WITH 125.10 ORC



# Invitation to Bid

Below Dominion has provided a copy of our signed and completed *Invitation to Bid* form. We have included the original signed document within this ITB response as well.

## INVITATION TO BID

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		ZIP 80202	
		COUNTY City and County of Denver	MERGE/CERTIFICATE NUMBER
		TELEPHONE NO ( 828 ) 301-7670	TOLL FREE NO 1-( 866 ) 654-8683
REQ/INDEX NO MAC113		BID NOTICE DATE September 27, 2018	CONTRACTOR'S E-MAIL ADDRESS mark.beckstrand@dominionvoting.com
SELECT YOUR PREFERRED METHOD OF RECEIVING PURCHASE ORDERS AND ENTER THE E-MAIL OR FAX NUMBER INFORMATION (ONLY SELECT ONE METHOD)			
<input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Fax			
In addition to the standard terms for payment, the payment terms for state agency(ies) will be 2% <del>40 Days</del> Net 30 Days unless otherwise stated in the following space. If no discount is offered, bidder should circle "Net 30 Days" _____ % _____ Days <b>Net 30 Days</b>			
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Nicole Nollette EVP Operations	AUTHORIZED SIGNATURE (ORIGINALS ONLY) (Please sign in blue ink) 		DATE October 16, 2018

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Effective: 01/01/18

Rev: 02/24/18

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# Executive Summary

Dominion Voting Systems, Inc. (“Dominion”) appreciates the opportunity to submit this bid in response to the Ohio Department of Administrative Services bid for Electronic Voting Machine Solutions, Bid #OT902619. Dominion’s flagship offering, Democracy Suite®<sup>1</sup>, is a specialized elections technology platform that provides all the tools necessary in order to run successful, secure and transparent elections. Democracy Suite is a modular solution that can be modified, upgraded or expanded on a component level basis, preserving each county’s investment for the long-term.

## The Dominion Offer

### **Election Management System: Democracy Suite EMS**

Our solution starts with **Democracy Suite**, our robust Election Management System that drives all voting channels from a single comprehensive database; mail-in ballots, in-person voting, accessible voting, and UOCAVA voting. All pre-election and post-election tasks take place in the same database. From ballot layout to results reporting on Election Night, Democracy Suite is a powerful and versatile platform that encompasses a complete, end-to-end elections solution.

Democracy Suite is certified to EAC VSG 2005 standards, and Democracy Suite 5.5 is currently certified in the State of Ohio.

### **Precinct Solutions**

Dominion offers a variety of in-person voting options, all of which are fully integrated within Democracy Suite. All of Dominion’s in-person voting options offer integrated accessible voting, ensuring all voters, regardless of ability, are able to vote privately and independently. Dominion offers two precinct optical scan ballot tabulator options, the ImageCast®<sup>2</sup> Precinct and the ImageCast Evolution, both of which are currently certified for use in the State of Ohio. Dominion’s newest in-person voting option, the ImageCast X, is a flexible touchscreen in-person voting device, which can be configured as a Ballot Marking Device (BMD) when paired with a commercial printer, or as a Direct Record Electronic (DRE) device with a Voter Verified Paper Audit Trail (VVPAT).

### **Central Count Solutions**

The ImageCast Central is a high-speed ballot counting system engineered for operational simplicity and efficiency. Using industry-leading commercially available off-the-shelf (COTS) hardware, the system can easily scale to address future growth in county voter registration. The system efficiently scans ballots, while simultaneously identifying all ballot images that need to be reviewed. The adjudication module (optional item for this ITB) then takes over in real time, allowing for the completion of central count ballot processing end-to-end without compromising transparency or accuracy. The digital Adjudication process eliminates the need to remove, duplicate, re-scan and document ballots that have overvotes, write-ins and marginal marks. Every action taken is logged

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<sup>1</sup> Democracy Suite is a registered trademark of Dominion Voting Systems.

<sup>2</sup> ImageCast is a registered trademark of Dominion Voting Systems.

and all adjudication decisions are appended to the original ballot image, providing a transparent audit log. This solution will greatly reduce processing time, increase back office efficiency, improve absentee count precision, and eliminate individual hand-feed interaction.

### **Accuracy and Transparency**

Dominion has invested in the development of technology that **truly sets its products apart from the competition**. The Democracy Suite system features Dominion's patented, exclusive ballot-level audit trail, the AuditMark®<sup>3</sup>, which not only creates a digital image of every ballot cast, but also appends to that image a record of how the voter's marks were interpreted by the voting system.

### **Project Implementation and Operational Expertise**

Dominion understands that a critical element in the implementation of a new voting system is our commitment to customer service and project implementation. We are confident in our ability to provide reliable technical expertise, professional project coordination, timely and effective communication, as well as detailed planning to exceed all customer expectations. We are keenly aware of the realities involved in making a smooth and efficient transition to a new voting system platform, and we are prepared to ensure our customers succeed. Dominion's Ohio team includes key experienced Ohio-based staff, with extensive expertise in system implementation, project management and technical support obtained through years of dedicated customer service within the elections industry.

### **In Closing: The Power of Partnership**

Dominion believes that our core values – product innovation and exemplary customer service – make us the partner of choice for election officials across the United States, and globally. We understand that the selection of a voting solution is one of critical importance, not only for today, but for years to come. We are looking forward to partnering with Ohio Boards of Elections and the Ohio Secretary of State's Office; always adapting to meet the challenges of today and the opportunities of tomorrow. Dominion thanks you for your consideration and looks forward to working with you in the future.

Best Regards,



Mark Beckstrand  
Regional Sales Manager

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<sup>3</sup> AuditMark is a registered trademark of Dominion Voting Systems.

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## Certification Statements

Dominion has read and understands the Certification Statements regarding Domestic, Ohio, and Veteran preferences.

- Domestic Preference (Buy American)
- Ohio Preference (Buy Ohio)
- Veterans Preference (Buy Veteran)

As we are not applying for any preference considerations, we have not completed or returned the form. We would be happy to provide any additional information upon request.



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## Special Contract Terms and Conditions

Dominion understands that the sample language provided in the Ohio ITB is a standard template, written broadly to work with different types of vendors and technology. As there are very unique considerations to a voting system, licensing and services agreement, such as State certification of equipment, closed system networks, software licensing (not work for hire or custom software) and many other items, which Dominion believes requires discussions and further modifications. Therefore, Dominion respectfully reserves the right to negotiate final agreement terms upon award by the State of Ohio and participating jurisdictions.

REDACTED →  
SEE  
INSERT ON  
NEXT PG

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## Eshelman, Michael

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**From:** Colin Cooper <colin.cooper@dominionvoting.com>  
**Sent:** Wednesday, October 31, 2018 2:49 PM  
**To:** Eshelman, Michael  
**Cc:** Kevin DeFries; Mark Beckstrand  
**Subject:** RE: Ohio ITB - MAC113 OT902619 - Dominion Voting

Mr. Eschleman:

Thank you for reaching out to us with regard to the COI question and the Special Contract Terms and Conditions Clause, and it was a pleasure speaking with you moments ago about each of those items.

As to the COI, we have been in contact with our Insurance Provider and will have the required limit in place by the end of this week or early next week.

With reference to the Special Contract Terms and Conditions Clause, we will waive that request in order to eliminate any contradiction of confusion, as our signing of the Cover Letter has already indicated compliance.

Per our conversation, we respectfully ask that any favorable conditions or allowances that are conveyed to any qualified vendor responding to this ITB, be granted to Dominion, as well.

The purpose for the Special Contract T&C Clause, was to ensure or ascertain the ground rules, boundaries, limits of a county or state recount, and to better understand how any cost associated with such should it be deemed a vendor related issue, would be formulated and applied.

Thank you for your consideration and courtesy.

Colin Cooper

COLIN COOPER | PROPOSAL SPECIALIST

**DOMINION VOTING**

1201 18<sup>th</sup> St., Suite 210, Denver, CO 80202  
866-654-VOTE (8683) | DOMINIONVOTING.COM

866-654-8683 OFFICE (ext 9288)

---

**From:** Michael.Eshelman@das.ohio.gov <Michael.Eshelman@das.ohio.gov>  
**Sent:** Wednesday, October 31, 2018 12:37 PM  
**To:** Colin Cooper <colin.cooper@dominionvoting.com>  
**Cc:** Kevin DeFries <kevin.defries@dominionvoting.com>; Mark Beckstrand <mark.beckstrand@dominionvoting.com>  
**Subject:** RE: Ohio ITB - MAC113 OT902619 - Dominion Voting

Good afternoon Mark/Colin,

Per our previous conversation, could you please reply confirming acknowledgement of the retraction of page 11, "Special Terms and Conditions" from your bid?

Thanks again for your help, and please feel free to contact me with any questions or concerns.

-Mike

**Mike Eshelman**  
*State Procurement Analyst*  
General Services Division  
Office of Procurement  
1-614-466-6741  
[michael.eshelman@das.ohio.gov](mailto:michael.eshelman@das.ohio.gov)



Have you received outstanding customer service from DAS? If so, [click here](#) to tell us about it.

---

**From:** Colin Cooper <[colin.cooper@dominionvoting.com](mailto:colin.cooper@dominionvoting.com)>  
**Sent:** Monday, October 29, 2018 12:35 PM  
**To:** Eshelman, Michael <[Michael.Eshelman@das.ohio.gov](mailto:Michael.Eshelman@das.ohio.gov)>  
**Cc:** Kevin DeFries <[kevin.defries@dominionvoting.com](mailto:kevin.defries@dominionvoting.com)>; Mark Beckstrand <[mark.beckstrand@dominionvoting.com](mailto:mark.beckstrand@dominionvoting.com)>  
**Subject:** Ohio ITB - MAC113 OT902619 - Dominion Voting

Mr. Eshelman,

My name is Colin Cooper with Dominion Voting, and I am responding to your request for searchable pricing in word or excel format for the Ohio ITB for Voting machines. As per the request of Mark Beckstrand we have included the required pricing in word format. We also have provided a Master Price list in Excel format. Please let me know if you have additional requests or require further documentation. Thank you for your time and consideration.

Sincerely,  
Colin Cooper

COLIN COOPER | PROPOSAL SPECIALIST

**DOMINION VOTING**  
1201 18<sup>th</sup> St., Suite 210, Denver, CO 80202  
866-654-VOTE (8683) | [DOMINIONVOTING.COM](http://DOMINIONVOTING.COM)  
866-654-8683 OFFICE (ext 9288)

# Specifications and Requirements

## I. Definitions

“EAC” is the United State Election Assistance Commission.

“Vendor” means the person that owns, manufactures, distributes, or has the legal right to sell or control the use of the voting system, or the person’s agents and employees.

“Voting system” is a specific combination of mechanical, electromechanical and electronic equipment used to define ballots, cast and count votes, report or display election results, connect the voting system to the voter registration system, and maintain and produce any audit trail. It includes “State-Funded” Items (Table A of the Bid Price) and some “Non-State-Funded” Items (Table B of the Bid Price).

“Voting system’s life expectancy” means that the voting system is expected to function as intended with reasonable and necessary modifications and engineering change orders for at least 10 years from the date of its delivery to a purchaser.

“Customer” is the Ohio Secretary of State or State.

Dominion Voting, Inc. has read and agrees to the stated Definitions as provided by the State of Ohio.

## II. Introduction

The Ohio Secretary of State is the state's Chief Elections Official who is charged with directing the conduct of boards of elections in Ohio. Elections are conducted locally in each county by a bipartisan board of elections. There are 88 counties in Ohio. The Ohio Department of Administrative Services (DAS) is a state agency responsible for assisting other Ohio governmental entities with procuring goods and services.

The voting system for each county should include the following equipment:

- 1) One American with Disabilities Act (ADA) accessible voting unit per polling location and in-person absentee voting location (required by Ohio Revised Code §3506.19). There are 88 in-person absentee voting locations in Ohio (one per county). A list of current polling locations is linked as [Attachment A](#).
- 2) For counties with a population equal to or less than 75,000 registered electors, one high speed optical scanner. A list of registered electors by county is linked as [Attachment B](#).
- 3) For counties with a population greater than 75,000 registered electors, one high speed optical scanner for the initial 75,000 registered electors and an additional high-speed optical scanner for each 75,000 (in whole or part) registered electors.
- 4) If a voting system uses an electronic, touchscreen interface (Direct Recording Electronic or otherwise) as its primary voting unit, at least one touchscreen unit per 175 registered electors and no less than 3 units per polling location.
- 5) If voting system is an optical scan system, one precinct based optical scanner per precinct.
- 6) One printer capable of printing ballots as needed that is compatible with the voting system and part of an EAC certified configuration.

The vendor must provide an itemized list of the cost to purchase each item listed above. A county must be able to purchase additional equipment during the duration of this Invitation to Bid at the cost provided by the vendor.

A vendor may not engage subcontractors or enter into a subcontract for the purpose of carrying out its responsibilities under any contract offered by or negotiated through the State of O without prior written consent of DAS and the Ohio Secretary of State. An amendment will be issued if subcontracting is approved.

Agreed. Dominion has provided the costs to purchase each piece of equipment listed above in the Pricing section of this response.



### III. Payment and Deliverables

A voting system purchased by the Customer must be shipped F.O.B. Destination Prepaid to a site designated by the county that has selected the system. The total cost due to the vendor for any and all "State-Funded" items is payable by the State upon receipt of the system by the county board of elections, successful acceptance testing of all parts of the system, and confirmation of the vendor's compliance with the Escrow and Warranty requirements set forth herein. The county is liable for the cost of "State-Funded" items that exceed the county's allocated funding amount by 2018 Am. Sub, S.B. 135 (132rd Ohio General Assembly).

Dominion agrees to accept payment for the voting system as outlined by the State of Ohio in the Invitation to Bid.

## IV. Vendor Requirements

Any responding vendor must be licensed to do business in the State of Ohio and must be a registered voting system manufacturer that is eligible to submit voting machines for federal testing and certification. Any responding vendor must have a voting system that either 1) is certified by the EAC or 2) is undergoing testing and certification with the EAC (i.e., has completed a Test Readiness Review and filed an approved application with the Voting System Testing and Certification Division of the EAC) and has a project timeline leading to voting system certification.

Dominion Voting is licensed to do business in the State of Ohio and is a registered voting system manufacturer that is eligible to submit voting machines for federal testing and certification. Dominion's Democracy Suite system is certified to EAC VVSG 2005 standards. Dominion's Democracy Suite 5.5 is certified at the U.S. EAC in September 2018 and is also certified in the State of Ohio.

Below Dominion has provided our Certificate of Conformance for Dominion Voting Systems Democracy Suite 5.5 as proof of meeting this requirement.

	United States Election Assistance Commission	
Certificate of Conformance		
<b>Dominion Voting Systems Democracy Suite 5.5</b>		
<p>The voting system identified on this certificate has been evaluated at an accredited voting system testing laboratory for conformance to the <i>Voluntary Voting System Guidelines Version 1.0 (VVSG 1.0)</i>. Components evaluated for this certification are detailed in the attached Scope of Certification document. This certificate applies only to the specific version and release of the product in its evaluated configuration. The evaluation has been verified by the EAC in accordance with the provisions of the <i>EAC Voting System Testing and Certification Program Manual</i> and the conclusions of the testing laboratory in the test report are consistent with the evidence adduced. This certificate is not an endorsement of the product by any agency of the U.S. Government and no warranty of the product is either expressed or implied.</p>		
Product Name: <u>Democracy Suite</u>	 Executive Director U.S. Election Assistance Commission Scope of Certification Attached	
Model or Version: <u>5.5</u>		
Name of VSTL: <u>Pro V&amp;V</u>		
EAC Certification Number: <u>DVS-DemSuite5.5</u>		
Date Issued: <u>September 14, 2018</u>		

The vendor must describe (and provide documentation of) its ability to supply and service its voting system for the duration of the voting system's life expectancy. Specifically, the vendor needs to provide:

- 1) A synopsis of the voting system's implementation in other jurisdictions, including, but not limited to, a list of any and all customers who have purchased the voting system and any and all known anomalies experienced with the use of the voting system.

### Synopsis of voting system implementations in other jurisdictions

Dominion Voting understands that voting system implementations are complex and challenging projects, which require rigorous planning and execution. Dominion currently supports over 1,200 jurisdictions across North America. As part of this domestic footprint, we have deployed tens of thousands of voting devices and successfully conducted thousands of elections. Drawing on our extensive experience, Dominion will deploy all tools and expertise available in order to ensure the success of our implementations in the State of Ohio.

Lessons learned from each implementation project, including our most recent implementations of Democracy Suite in California, Colorado, Nevada, New Mexico, and Michigan, have refined our approach and best practices have been incorporated at each stage of the process. These hands-on experiences have greatly benefited our project teams who have gained invaluable knowledge with each implementation. Customers can look to Dominion's project team with confidence as key experienced staff, with extensive expertise in system implementation, project management, and customer service guide the process.

Our proposed solution, Democracy Suite, is a fully integrated system where all voting channels (Mail Ballots, In-Person tabulators, Ballot Marking Device, UOCAVA, RAVBM, Mobile Ballot Printing) are supported out of one database. This allows the flexibility to easily configure the system to best fit the needs of any jurisdiction, while adhering to tenets of the free and fair electoral process. Democracy Suite and the associated hardware and software components, easily scale as customer needs evolve. This scalability promotes efficient workflows and streamlines processes with software and hardware solutions, as opposed to manual efforts. As a result of implementing Democracy Suite, customers have saved from 40% to 80% in the cost of an election through process efficiencies with the most up to date, and secure, technology in the industry.

Dominion has successfully implemented Democracy Suite in jurisdictions that have previously utilized major legacy systems. Additionally, our system allows clients the flexibility to work with many third-party entities to provide residual election services.

The efficiencies promoted by Democracy Suite simplifies election administration efforts, but it does take RETHINKING some processes. Our staff is keenly aware of the

challenges associated with implementing a new system and have a proven track record of being up to the task.

Below Dominion has provided a representative list of election jurisdictions where the Democracy Suite system has been deployed or is scheduled to be deployed, including the key components used (ImageCast Central – ICC, ImageCast Evolution – ICE, ImageCast Precinct – ICP, ImageCast X – ICX, Adjudication – ADJ) and the year of signed business.

#### **The State of Alaska**

- City and Borough of Sitka (ICP-A, 2014)
- City of Valdez (ICP, 2015)
- The Municipality of Anchorage (ICX, ICC, ADJ, 2017)
- The City of Bethel (ICP, 2017)
- The City and Borough of Ketchikan (ICP, 2017)

#### **The State of California**

- Del Norte County (ICE, ICC, ADJ 2015)
- Glenn County (ICE, ICC, ADJ, 2016)
- Imperial County (ICE, ICC, ADJ 2015)
- Kern County (ICC, ADJ, 2015)
- Napa County (ICE, ICC, ADJ 2015/2018) \*Voter's Choice Act SB 450 Configuration
- Siskiyou County (ICE, ICC, ADJ, 2015)
- Tehama County (ICE, ICC, ADJ, 2016)
- Mono County (ICC, 2017)
- Monterey County (ICC, 2017)
- San Luis Obispo County (ICX, ICC, ADJ, 2018)
- Sacramento County (ICX, ICC, ADJ, 2018) \*Voter's Choice Act SB 450 Configuration
- Contra Costa County (ICX, ICC, ADJ, 2018)
- Shasta County (ICE, ICC, ADJ, 2018)
- Inyo County (ICX, ICC, ADJ 2018)
- San Benito County (ICX, ICC, ADJ, 2018)
- Madera County (ICX, ICC, ADJ, 2018) \*Voter's Choice Act SB 450 Configuration
- Butte County (ICX, ICC, ADJ, 2018)
- Mariposa County (ICX, ICC, ADJ, 2018)

#### **The State of Colorado**

- Adams County (ICX, ICC, ADJ, 2016)
- Arapahoe County (ICX, ICC, ADJ, 2016)
- Chaffee County (ICX, ICC, ADJ, 2016)
- Gilpin County (ICX, ICC, ADJ, 2016)
- Gunnison County (ICX, ICC, ADJ, 2016)
- City and County of Denver (ICX, ICC, ADJ, 2016)

- Mesa County (ICX, ICC, ADJ, 2016)
- Moffat County (ICX, ICC, ADJ, 2016)
- Baca County (ICX, ICC, ADJ, 2016)
- Broomfield County (ICX, ICC, ADJ, 2016)
- Clear Creek County (ICX, ICC, ADJ, 2016)
- Eagle County (ICX, ICC, ADJ, 2016)
- Logan County (ICX, ICC, ADJ, 2016)
- Pitkin County (ICX, ICC, ADJ, 2016)
- Teller County (ICX, ICC, ADJ, 2016)
- Park County (ICX, ICC, ADJ, 2016)
- Pueblo County (ICX, ICC, ADJ, 2016)
- Sedgwick County (ICX, ICC, ADJ, 2016)
- Washington County (ICX, ICC, ADJ, 2016)
- Alamosa County (ICX, ICC, ADJ, 2017)
- Archuleta County (ICX, ICC, ADJ, 2017)
- Bent County (ICX, ICC, ADJ, 2017)
- Boulder County (ICX, ICC, ADJ, 2017)
- Conejos County (ICX, ICC, ADJ, 2017)
- Cheyenne County (ICX, ICC, ADJ, 2017)
- Crowley County (ICX, ICC, ADJ, 2017)
- Costilla County (ICX, ICC, ADJ, 2017)
- Delta County (ICX, ICC, ADJ, 2017)
- Dolores County (ICX, ICC, ADJ, 2017)
- Elbert County (ICX, ICC, ADJ, 2017)
- El Paso County (ICX, ICC, ADJ, 2017)
- Fremont County (ICX, ICC, ADJ, 2017)
- Grand County (ICX, ICC, ADJ, 2017)
- Huerfano County (ICX, ICC, ADJ, 2017)
- Jefferson County (ICX, ICC, ADJ, 2017)
- Kiowa County (ICX, ICC, ADJ, 2017)
- Kit Carson County (ICX, ICC, ADJ, 2017)
- Lake County (ICX, ICC, ADJ, 2017)
- La Plata County (ICX, ICC, ADJ, 2017)
- Las Animas County (ICX, ICC, ADJ, 2017)
- Lincoln County (ICX, ICC, ADJ, 2017)
- Otero County (ICX, ICC, ADJ, 2017)
- Ouray County (ICX, ICC, ADJ, 2017)
- Moffat County (ICX, ICC, ADJ, 2017)
- Montezuma County (ICX, ICC, ADJ, 2017)
- Morgan County (ICX, ICC, ADJ, 2017)

- Phillips County (ICX, ICC, ADJ, 2017)
- Prowers County (ICX, ICC, ADJ, 2017)
- Rio Grande County (ICX, ICC, ADJ, 2017)
- Routt County (ICX, ICC, ADJ, 2017)
- San Miguel County (ICX, ICC, ADJ, 2017)
- Summit County (ICX, ICC, ADJ, 2017)
- Yuma County (ICX, ICC, ADJ, 2017)

#### **The State of Florida**

- Alachua County (ICE, ICC, 2015)
- Baker County (ICE, 2013)
- Columbia County (ICE-DD, ICC, 2017)
- Jefferson County (ICE, 2018)
- Hardee County (ICE, 2013)
- Hernando (ICE-DD, ICC, MBP, 2015)
- Leon County (ICE, ICC, 2014)
- Levy County (ICE, 2014)
- Madison County (ICE, 2013)
- Monroe County (ICE, 2013)
- Okeechobee County (ICE, 2016)
- St Lucie County (ICE, ICC, 2014)
- Dixie County (ICE, 2018)
- DeSoto County (ICE, 2018)
- Gilchrist County (ICE-DD, 2018)
- Taylor County (ICE, 2017)

#### **The State of Iowa**

- Adair County (ICP-BMD, 2015)
- Appanoose County (ICP-BMD, 2016)
- Bremer County (ICP-BMD, 2016)
- Cedar County (ICP BMD, 2013)
- Hardin County (ICP-BMD, ICC, 2015)
- Lucas County (ICP-BMD, 2016)
- Mitchell County (ICP-BMD, 2015)
- Wayne County (ICP-BMD, 2016)
- Dickinson County (ICP, ICC, 2017)

#### **The State of Kansas**

- Lane County (ICP-BMD Audio, 2015)
- Reno County (ICP, ICX, 2017)

- Thomas County (ICP, ICX, ICC, 2017)

**The State of Louisiana**

- All 64 parishes (ICC, 2011)

**The Commonwealth of Massachusetts  
(services provided by LHS Associates)**

- Agawam (ICP, 2016)
- Amesbury (ICP, 2017)
- Andover (ICP, 2017)
- Ashland (ICP, 2016)
- Athol (ICP, 2017)
- Attleboro (ICP, 2016)
- Auburn (2016)
- Belchertown (ICP, 2017)
- Bellingham (ICP, 2016)
- Beverly (ICP, 2017)
- Blackstone (ICP, 2016)
- Boxford (ICP, 2016)
- Brimfield (ICP, 2016)
- Brockton (ICP, 2016)
- Cheshire (ICP, 2016)
- Clinton (ICP, 2015)
- Cohasset (ICP, 2016)
- Dartmouth (ICP, 2017)
- Dedham (ICP, 2016)
- Dover (ICP, 2017)
- Dracut (ICP, 2017)
- Duxbury (ICP, 2016)
- East Bridgewater (ICP, 2017)
- Eastham (ICP, 2014)
- Easton (ICP, 2016)
- Falmouth (ICP, 2016)
- Fitchburg (ICP, 2015)
- Georgetown (ICP, 2017)
- Granby (ICP, 2016)
- Great Barrington (ICP, 2016)
- Groton (ICP, 2016)
- Holden (ICP, 2017)
- Holliston (ICP, 2016)

- Hudson (ICP, 2014)
- Leominster (ICP, 2015)
- Longmeadow (ICP, 2016)
- Lynnfield (ICP, 2016)
- Manchester-by-the-Sea (ICP, 2017)
- Mansfield (ICP, 2014)
- Methuen (ICP, 2017)
- Middleborough (ICP, 2016)
- Monson (ICP, 2017)
- Needham (ICP, 2015)
- Newbury (ICP, 2015)
- North Andover (ICP, 2017)
- Northfield (ICP, 2016)
- Norton (ICP, 2016)
- Orange (ICP, 2016)
- Pembroke (ICP, 2017)
- Pepperell (ICP, 2017)
- Plainville (ICP, 2014)
- Plymouth (ICP, 2017)
- Quincy (ICP, 2016)
- Reading (ICP, 2016)
- Rockport (ICP, 2015)
- Rutland (ICP, 2017)
- Sherborn (ICP, 2014)
- Shirley (ICP, 2015)
- South Hadley (ICP, 2015)
- Southborough (ICP, 2017)
- Uxbridge (ICP, 2016)
- Wales (ICP, 2016)
- Walpole (ICP, 2016)
- Wareham (ICP, 2016)
- Wellesley (ICP, 2016)
- Wenham (ICP, 2016)
- West Boylston (ICP, 2016)
- Westminster (ICP, 2016)
- Weston (ICP, 2015)
- Westwood (ICP, 2016)
- Winchendon (ICP, 2016)
- Winchester (ICP, 2016)



- Winthrop (ICP, 2017)

### **The State of Michigan**

- Alger County (ICP, ICX-BMD, 2017)
- Allegan County (ICP, ICX-BMD, 2018)
- Antrim County (ICP, ICX-BMD, 2018)
- Baraga County (ICP, ICX-BMD, 2018)
- Barry County (ICP, ICX-BMD, 2018)
- Benzie County (ICP, ICX-BMD, 2018)
- Berrien County (ICP, ICX-BMD, 2017)
- Branch County (ICP, ICX-BMD, 2017)
- Calhoun County (ICP, ICX-BMD, 2017)
- Cass County (ICP, ICX-BMD, 2017)
- Charlevoix County (ICP, ICX-BMD, 2017)
- Chippewa County (ICP, ICX-BMD, 2018)
- Clare County (ICP, ICX-BMD, 2017)
- Crawford County (ICP, ICX-BMD, 2018)
- Delta (ICP, ICX-BMD, 2017)
- Dickinson County (ICP, ICX-BMD, 2018)
- Gladwin County (ICP, ICX-BMD, 2017)
- Gogebic County (ICP, ICX-BMD, 2018)
- Gratiot County (ICP, ICX-BMD, 2017)
- Houghton County (ICP, ICX-BMD, 2017)
- Huron County (ICP, ICX-BMD, 2017)
- Ingham County (ICP, ICX-BMD, 2017)
- Iosco County (ICP, ICX-BMD, 2017)
- Iron County (ICP, ICX-BMD, 2018)
- Isabella County (ICP, ICX-BMD, 2017)
- Jackson County (ICP, ICX-BMD, 2017)
- Kalkaska County (ICP, ICX-BMD, 2017)
- Kent County (ICP, ICX-BMD, 2017)
- Keweenaw County (ICP, ICX-BMD, 2018)
- Lake County (ICP, ICX-BMD, 2018)
- Lapeer County (ICP, ICX-BMD, 2017)
- Leelanau County (ICP, ICX-BMD, 2018)
- Lenawee County (ICP, ICX-BMD, 2017)
- Luce County (ICP, ICX-BMD, 2017)
- Mackinac County (ICP, ICX-BMD, 2017)
- Manistee County (ICP, ICX-BMD, 2017)
- Marquette County (ICP, ICX-BMD, 2017)

- Mescota County (ICP, ICX-BMD, 2017)
- Menominee County (ICP, ICX-BMD, 2017)
- Midland County (ICP, ICX-BMD, 2018)
- Missaukee County (ICP, ICX-BMD, 2017)
- Monroe County (ICP, ICX-BMD, 2017)
- Montmorency (ICP, ICX-BMD, 2018)
- Newaygo County (ICP, ICX-BMD, 2017)
- Oceana County (ICP, ICX-BMD, 2018)
- Ogemaw County (ICP, ICX-BMD, 2018)
- Ontonagon County (ICP, ICX-BMD, 2018)
- Osceola County (ICP, ICX-BMD, 2018)
- Oscoda County (ICP, ICX-BMD, 2018)
- Otsego (ICP, ICX-BMD, 2017)
- Presque Isle (ICP, ICX-BMD, 2018)
- Saginaw County (ICP, ICX-BMD, 2018)
- Sanilac County (ICP, ICX-BMD, 2017)
- Schoolcraft County (ICP, ICX-BMD, 2017)
- Shiawassee County (ICP, ICX-BMD, 2017)
- St. Clair County (ICP, ICX-BMD, 2017)
- St. Joseph County (ICP, ICX-BMD, 2017)
- Tuscola County (ICP, ICX-BMD, 2017)
- Van Buren County (ICP, ICX-BMD, 2017)
- Wayne County (ICP, ICX-BMD, 2017)
- Wexford County (ICP, ICX-BMD, 2018)

**The State of Minnesota**

- Dakota County (ICE, ICC, 2015)
- Scott County (ICE, ICC, 2015)
- Sherburne County (ICE, ICC, 2016)

**The State of Missouri**

- Adair County (ICP-BMD, 2015)
- Callaway County (ICP-BMD, 2015)
- Carroll County (ICP-BMD, 2015)
- Crawford County (ICP-BMD, 2015)
- Gasconade County (ICP-BMD, 2015)
- Grundy County (ICP-BMD, 2015)
- Harrison County (ICP-BMD, 2016)
- Jasper County (ICP-BMD, 2015)
- Livingston County (ICP- BMD, 2015)

- Lafayette County (ICP-BMD, 2015)
- Maries County (ICP-BMD, 2015)
- Mercer County (ICP-BMD, 2015)
- McDonald County (ICP-BMD, 2014)
- Montgomery County (ICP-BMD, 2016)
- Newton County (ICP-BMD, 2015)
- Nodaway County (ICP-BMD, 2015)
- Osage County (ICP-BMD, 2015)
- Pike County (ICP-BMD, 2015)
- Saline County (ICP-BMD, 2015)
- Warren County (ICP-BMD, 2014)
- Butler County (ICP-BMD, 2017)

#### **The State of Nevada**

- Churchill County (ICX with VVPAT, ICC, ADJ, 2018)
- Clark County (ICX with VVPAT, ICC, ADJ, 2017)
- Douglas County (ICX with VVPAT, ICC, ADJ, 2018)
- Elko County (ICX with VVPAT, ICC, ADJ, 2018)
- Esmerelda County (ICX with VVPAT, ICC, ADJ, 2018)
- Eureka County (ICX with VVPAT, ICC, ADJ, 2018)
- Humboldt County (ICX with VVPAT, ICC, ADJ, 2018)
- Lander County (ICX with VVPAT, ICC, ADJ, 2018)
- Lincoln County (ICX with VVPAT, ICC, ADJ, 2018)
- Lyon County (ICX with VVPAT, ICC, ADJ, 2018)
- Mineral County (ICX with VVPAT, ICC, ADJ, 2018)
- Nye County (ICX with VVPAT, ICC, ADJ, 2018)
- Pershing County (ICX with VVPAT, ICC, ADJ, 2018)
- Story County (ICX with VVPAT, ICC, ADJ, 2018)
- Washoe County (ICX with VVPAT, ICC, ADJ, 2017)
- White Pine County (ICX with VVPAT, ICC, ADJ, 2018)

#### **The State of New Jersey**

- Burlington County (ICC, 2014)
- Camden County (ICC, 2013)
- Cape May County (ICC, 2013)
- Cumberland County (ICC, 2015)
- Essex County (ICC, 2013)
- Gloucester County (ICC, 2015)
- Hudson County (ICC, 2013)
- Hunterdon County (ICC, 2015)

- Mercer County (ICC 2013)
- Monmouth County (ICC, 2014)
- Morris County (ICC, 2015)
- Passaic County (ICC, 2015)
- Salem County (ICC, 2015)
- Union County (ICC, 2013)

**All 33 counties in the State of New Mexico**  
(ICC, ICE, ICP-BMD, ICP, 2014)

**52 Counties in the State of New York**  
(all except Albany, Erie, Nassau, Rockland, Schenectady and the five boroughs of New York City) (ICP, ICP-BMD, ICC, 2008)

**The State of Ohio**

- Belmont County (ICP-A, ICC, 2015)
- Guernsey County (ICE, ICC, 2013)
- Harrison County (ICP, ICE, ICC, 2014)
- Huron County (ICC, ICE, ICP-A, MBP, 2015)
- Muskingum County (ICP, ICE, ICC, ADJ, 2017)

**The State of Tennessee**

- Hamilton County (ICE, ICP-A, ICC, 2013)

**The Commonwealth of Virginia**

- Amelia County (ICE, 2016)
- Bedford County (ICE, 2015)
- Buchanan County (ICE, 2015)
- Craig County (ICE, 2015)
- Caroline County (ICP-BMD, 2015)
- Dickenson County (ICE, 215)
- Franklin County (ICE, 2015)
- King George County (ICP-BMD, 2014)
- Lee County (ICE, 2015)
- Buena Vista City (ICE, 2017)
- Sussex County (ICE, 2017)
- Smyth County (ICE, 2017)
- Greensville County (ICE, 2017)
- Louisa County (ICE, 2015)
- Mecklenburg County (ICE, 2015)

- Nottoway County (ICE, 2015)
- Page County (ICP- BMD, 2016)
- Radford City (ICE, 2016)
- Russell County (ICE, 2015)
- Salem City (ICE, 2016)
- Suffolk City (ICE, 2015)
- Waynesboro City (ICE, 2016)

**The State of Washington**

- Franklin County (ICX, ICC, AADJ, 2017)

**The State of Wisconsin**

- Door County (ICE, 2015)
- Fond du Lac County (ICE, 2016)
- Green County (ICE, 2015)
- Ozaukee County (ICE, 2016)
- Vilas County (ICE, 2016)
- Washington County (ICE, 2016)
- Winnebago County (ICE, 2015)

**The Commonwealth of Puerto Rico**

- (ICP, 2016)

**2) Information on the vendor’s employee base and company size and its ability to provide technical support simultaneously to several counties in the State of Ohio and other jurisdictions that use its voting system.**

**Vendor’s employee base and company size**

Dominion is headquartered in Denver, CO, with additional office locations in San Leandro, CA, McKinney, TX, Jamestown and Endicott, NY, and Toronto, ON, as well as staff remotely and tactically stationed across the country. Dominion is strategically positioned in all four U.S. continental time zones to support its customer base of over 1,200 jurisdictions in the 30 states.

Founded in 2003, Dominion has grown to approximately 300 employees and associated contractors, consisting of a mix of seasoned election veterans with a solid grasp of technology and engineering experts that understand elections. Dominion works continually to maintain and enhance its best assets: its people, technology, and reputation.

With the acquisition by Dominion of assets and employees of Premier Solutions, Inc. and Sequoia Voting Systems, Inc. in 2010, the company’s combined history and experience dates back over 100 years. Taken together, the two asset acquisitions created a stable and

diversified election solutions provider, offering a complete and innovative product set and a broad geographic reach, to effectively support customers in every region of the United States. In the past year alone, Dominion has increased the number of staff in our service organization by 20% to support our growing customer base across the country. Dominion is in a strong financial position and well established throughout the United States and internationally, and we will continue to be a strong, viable, and sustainable elections partner into the future.

**Dominion currently has seven employees residing in the State of Ohio**, as well as a number of experienced part-time contractors who we engage at peak periods to support our Ohio customers. Dominion's Ohio team includes key experienced staff, with extensive expertise in system implementation, project management and technical support obtained through years of dedicated customer service within the elections industry. Dominion's Ohio team not only has considerable experience in providing ongoing support to election officials but also in implementing new voting technology. Dominion's service organization will provide the coordination and supervision of all activities required to transition any purchasing county to their new Democracy Suite voting system, seamlessly and effectively, to ensure election administration and election day success.

**3) A document listing the manufacturer of each piece of equipment that is not manufactured by the vendor but necessary for implementation and operation of the voting system.**

In Appendix B – Attachments, Dominion has provided a list of COTS hardware components that are necessary for implementation and operation of the voting system for the currently certified version of Democracy Suite 5.5, which achieved federal certification on September 14, 2018.

**4) A document listing all consumables (and the supply chain for each) required for the operation of the voting system.**

In Appendix B – Attachments, Dominion has provided a listing of all consumables and supply chain required for the operation of the voting system. Many consumables can also be purchased from Dominion, as noted in the attachment.

**5) Recommended acceptance testing for all aspects of the voting system in a format that can be used as a checklist by the county's board of elections.**

**Acceptance Testing**

Dominion uses multi-level quality assurance and quality control processes to ensure that all elements of our integrated voting system perform properly with every use. Dominion will provide thorough training and documentations to county/state officials to assist them in undertaking acceptance testing. Dominion has provided sample Acceptance Test Checklists in Appendix B – Attachments.

## V. System Requirements

The voting system must be approved by the Ohio Board of Voting Machine Examiners and certified by the Ohio Secretary of State before it can be purchased for a county board of elections.

Note the following, mandatory requirements for any voting system used in an Ohio election:

- 1) The voting system, and any configuration offered to a purchasing county, must be certified by the EAC.

### Certification

Dominion's Democracy Suite system is certified to EAC VVSG 2005 standards. Dominion's Democracy Suite 5.5 is certified at the U.S. EAC as well as in the State of Ohio. Dominion has provided documentation of our certification below.

	United States Election Assistance Commission	
Certificate of Conformance		
<b>Dominion Voting Systems Democracy Suite 5.5</b>		
<p>The voting system identified on this certificate has been evaluated at an accredited voting system testing laboratory for conformance to the <i>Voluntary Voting System Guidelines Version 1.0 (VVSG 1.0)</i>. Components evaluated for this certification are detailed in the attached Scope of Certification document. This certificate applies only to the specific version and release of the product in its evaluated configuration. The evaluation has been verified by the EAC in accordance with the provisions of the <i>EAC Voting System Testing and Certification Program Manual</i> and the conclusions of the testing laboratory in the test report are consistent with the evidence adduced. This certificate is not an endorsement of the product by any agency of the U.S. Government and no warranty of the product is either expressed or implied.</p>		
Product Name: <u>Democracy Suite</u>		 _____ Executive Director U.S. Election Assistance Commission Scope of Certification Attached
Model or Version: <u>5.5</u>		
Name of VSE: <u>Pro VR&amp;V</u>		
EAC Certification Number: <u>DVS-DemSuite5.5</u>		
Date Issued: <u>September 14, 2018</u>		

- 2) **Any and all modifications to, or engineering change orders for, the voting system (in whole or part) must be approved by the EAC and, when required, approved by the Ohio Board of Voting Machine Examiners in accordance with Ohio Law.**

#### **Modifications or Engineering Change Orders**

Dominion agrees to comply with this requirement.

- 3) **The voting system must be a complete voting system as defined in this agreement and consist of all hardware, firmware, software, peripherals, and “Consumer off-the-Shelf” products necessary to implement the system to program an election and collect and tally votes.**

#### **Complete Voting System**

The Democracy Suite voting system is a complete voting system consisting of all hardware, firmware, software, peripherals and consumer off-the-shelf products necessary to program any election and collect and tally the votes. Dominion has included a full overview of our system offering in Appendix A – Voting System Description.

- 4) **The voting system must include an ADA-accessible and compliant voting machine.**

#### **ADA Compliant**

Agreed. All of Dominion’s in-person voting options offer integrated accessible voting which is ADA compliant, ensuring all voters, regardless of ability, are able to vote privately and independently. Dominion’s solutions are all-in-one. This means that each individual precinct or voting device is capable of being utilized as both standard and an accessible ADA voting unit simultaneously, thus driving down costs and creating a more efficient voting process for all voters.

- 5) **The voting system must meet all of the Ohio-specific requirements outlined in the Voting System Testing Matrix, linked as [Attachment D](#).**

#### **Ohio-Specific Requirements**

Agreed. Dominion’s Democracy Suite system is certified to EAC VVSG 2005 standards. Dominion’s Democracy Suite 5.5 is certified at the U.S. EAC as well as in the State of Ohio. Dominion has provided information on the Democracy Suite certification within this response.

Dominion has outlined how our Democracy Suite system and its components meets the requirements set forth in Attachment D, “Ohio Voting System Testing Matrix.”



- 6) **The voting system must be compatible with and able to integrate with the voter registration systems used in Ohio. There are four voter registration system vendors that service Ohio counties: Sequoia, Triad, ES&S, Tenex, and DIMS. Information on each system can be obtained by contacting the Ohio Secretary of State's office at (614)466-2585 or [electoin@ohiosecretaryofstate.gov](mailto:electoin@ohiosecretaryofstate.gov).**

#### **Voter Registration System Compatibility**

Agreed. Dominion has worked with many customers to transition from a legacy voting system to the Democracy Suite platform and is familiar with migrating data from many different voter registration systems to the Democracy Suite EMS. Dominion works with a number of different voter registration system vendors to ensure we can import data easily and efficiently. Dominion is familiar with the voter registration system vendors that service Ohio counties and is committed to working with them to ensure that the data from the voter registration system can be imported into the Democracy Suite system. There is no additional cost for the migration of data applied by Dominion. All election data from the Democracy Suite system can be exported for further evaluation or reporting in a variety of different standard file formats. In subsequent elections, election definition data may be exported or copied from prior election databases to speed up the programming process.

- 7) **The system must be compatible with and able to integrate with Ohio's Election Night Reporting System. Information on Ohio's Election Night Reporting System is attached hereto as [Attachment E](#).**

#### **Election Night Reporting System Compatibility**

Agreed. The Democracy Suite Results Tally & Reporting (RTR) module features a one-click results export to a variety of formats, and can meet the state's election night reporting requirements as outlined in the ITB's Attachment E. Results reports, such as Summary and Precinct-level (Statement of Votes Cast) result reports, can also be generated and exported in a variety of file formats, including .xls, .pdf, .xml, .mhtml, .csv, .doc, .tif, and .txt. In addition to the static, pre-defined reports found in most reporting systems, RTR's Summary and Precinct-level reports use the Microsoft SQL Server Reporting Services engine to offer maximum flexibility to the user. These reports feature a variety of configurable options and filters, including detailed breakdowns of provisional ballots cast, ballots cast during early voting, on Election Day, and by mail. Election administrators may use the default settings or configure the data fields included in the reports depending on the target audience.

- 8) **The system must be compatible with the electronic poll books certified for use in Ohio elections. The list of electronic poll books certified for use in Ohio are attached hereto as [Attachment F](#).**

#### **Electronic Poll Books System Compatibility**

Agreed. Dominion has worked successfully to ensure our system can interface with many different electronic poll books. We are committed to working with the list of electronic poll book vendors certified for use in Ohio to ensure our systems work seamlessly together.

## VI. Service and Maintenance

The cost of the required service and maintenance must be itemized in Tables A and B of the Bid Price. The vendor must provide detailed pricing for five years beyond the expiration of the initial five years of acquisition and use of the system. If the anticipated life cycle of the system is believed to be greater than ten years, the vendor must provide detailed pricing estimates for service and maintenance for that time period beyond the expiration of the first ten years of acquisition and use of the system.

In addition to pricing, the vendor must provide a service and maintenance schedule that outlines – and a corresponding log for a customer to document – the recommended service and maintenance for each part of the voting system.

The vendor must disclose when submitting its pricing in response to this Invitation to Bid whether a third party or independent contractor is permitted to provide service and maintenance to the voting system without voiding any terms of the warranty or violating a licensing agreement.

Agreed. Dominion has included the pricing for all required software and firmware licenses, hardware warranties, and consumables in the Pricing section of this response. The price quotes for the sample county include a supply of all required consumables in sufficient quantities to complete acceptance testing and one election cycle at no charge.

Dominion Voting will provide recommended service and maintenance provisions for all components of the voting system as part of State's implementation. This includes maintenance manuals, as well as customer-specific maintenance log(s).

All third party or independent contractors hired by Dominion Voting Systems are permitted to provide service and maintenance to the voting system without voiding any warranty or violating any licensing agreement. Contractors employed by the counties will be required to participate in Technician training classes and successfully be certified by Dominion Voting Systems prior to provision of any service and or maintenance at a county. Individual contractors hired directly by Dominion are thoroughly vetted and background checks are performed, prior to nay engagement or assignment.

## VII. Software License

The cost of any and all required software licenses must be itemized in Tables A and B of the Bid Price. The vendor must provide detailed pricing for continued licensing for an additional five years beyond the expiration of the initial five years of acquisition and use of the system. If the anticipated life cycle of the system is believed to be greater than ten years, the vendor must provide detailed pricing estimates for the requisite licensing for software for that time period beyond the expiration of the first ten years.

In submitting pricing in response to this Invitation to Bid, the vendor hereby consents that any and all software licensing is transferrable among Ohio counties that acquired the voting system through this Invitation to bid without additional cost to any county or State.

Agreed. Dominion has provided in the pricing list all requisite licensing for software and firmware for five years from the date that the system is received by a purchasing county's Board of Elections.

In accordance with the requirement set forth in the ITB, Dominion will allow software licensing to be transferrable among Ohio counties that acquired the voting system utilizing the pricing listed herein, which will be subject to the final contract as negotiated by and/or offered through the State of Ohio.

## VIII. Training Requirements

The vendor must provide the cost of training for any county that acquires its voting system in Table B of the Bid Price. The county selecting the voting system is responsible for any and all costs associated with training and itemized in Table B of the Bid Price.

Agreed. Dominion has included the cost of training for any county that acquires the voting system in Table B of the provided Bid Price. Below we have provided a high-level overview of some of our training procedures and processes for review by the State of Ohio and participating counties.

### Training Methodology

At Dominion, our training methodology focuses on providing election administration staff the necessary knowledge for successful implementation and effective operation of our voting system. We accomplish this through tailored training, using various training formats, implementing adult learning principles, and proper course pacing. Training and curriculum particular to the resources, staff, and needs of the purchasing county will be developed as part of the implementation meetings, and materials will be provided before implementation for both hardware and software functions.

### Precinct Election Official Training

Past implementations have proven that it is very important for all precinct election officials to have a chance to operate the machines in a “hands-on” manner in class, or at least participate in a small group and review. This allows precinct election officials to operate equipment while others observe and ask questions. Dominion will assist the purchasing county in integrating the new voting system training into its current precinct election official training program’s content and format, as well as in the development of appropriate and specific training materials and providing “train-the-trainers” courses. Our goal is to assist in training precinct election officials to comfortably, confidently operate voting machines and readily provide voters with simple instructions and assistance in voting.

Dominion has provided pricing for in-person vendor provided precinct election official training, as well as pricing for a train-the-trainer model. In our experience, the train-the-trainer model is the most commonly accepted and effective practice in Ohio currently, and is more cost-effective for the state and county. In fact, most Ohio Election Administrators prefer managing and conducting the poll worker training classes following a comprehensive “Train-the-Trainer” course offering, as they know and understand their own internal practices and policies for delivery of materials, polling place set-up, opening and closing procedures, return of materials, and state and local “best practices.”

## **Election Management System Training**

Dominion has included pricing to provide extensive training sessions on the Democracy Suite Election Management System (EMS). The training sessions will cover how to setup and program an election, as well as how to design and layout ballots. Dominion takes pride in our ability to transfer to local officials the skills necessary to conduct even complex elections with autonomy.

## **Training Topics**

Dominion has included in the pricing on-site user training on the Democracy Suite system as well as the in-person voting and central tabulation devices. These training sessions will cover all of the topics listed above.

## **System Manuals**

Dominion will provide all system manuals necessary to allow a purchasing county to operate the voting system (from the start of an election to the auditing of final results) independently of Dominion's assistance and support.

## **Training Materials**

Dominion will prepare and provide all needed training material, which includes training manuals, quick reference guides, and technical reference manuals when necessary. Dominion will provide all training materials necessary for a purchasing county's Board of Elections to use when training its precinct election officials on how to setup, operate, and close down the voting system on Election Day (train-the-trainer model).

## **Quick Reference Guide**

Dominion will provide a "quick reference guide" for precinct election officials to consult on Election Day. Dominion will work with the purchasing county to ensure that the guide reflects their setup and use of the voting system. Dominion has provided a sample "quick reference guide" for the ImageCast Precinct under Appendix B – Attachments.

## **Voter Education Video**

Dominion will provide a video (in electronic format) that demonstrates for voters how to cast a vote and ballot using the voting system and agrees to all requirements as stated by the State of Ohio.

## Precinct Election Official Training Video

Dominion will provide a video (in an electronic format) that demonstrates for precinct election officials how to setup, operate, and close down the voting system on Election Day and agrees to the requirements as set forth by the State of Ohio.

## **IX. Vendor Support**

The vendor must provide an employee or agent to serve as principal point of contact with the Ohio Secretary of State's office and each county that selects its voting system. This employee or agent shall be responsible for coordinating the delivery, receipt, acceptance testing, and setup of the voting system at a site designated by the county board of elections. This employee or agent also shall be responsible for coordinating training selected by the county board of elections with the Director and Deputy Director of the county's board of elections.

In submitting its pricing in response to this Invitation to Bid, the vendor must disclose whether the vendor, a third party, or an independent contractor is available to an Ohio county to provide support for pre-election programming, setup, tabulation, and reporting.

Dominion agrees to supply and coordinate the applicable vendor support as needed by the State of Ohio and participating jurisdictions and counties.

### **Principal Point of Contact**

Dominion Voting's Regional Sales Manager will serve as a principal point of contact with the Ohio Secretary of State's office, and each and every purchasing county Board of Elections. The Regional Sales Manager will coordinate with the Dominion Customer Relations Manager in the State of Ohio for all delivery, receipt, acceptance testing, and setup of the voting system at a site designated by the purchasing county Board of Elections. The Dominion Customer Relations manager will also coordinate the required training with the Director and Deputy Director of the county's Board of Elections.

### **Election Services**

Dominion has included pricing for in-person support for pre-election logic and accuracy testing, as well as in-person support for Election Day, which includes troubleshooting assistance, and support for tabulation and reporting of unofficial results.

Dominion has included pricing for on-site programming for the first election only as per the requirement of this ITB, unless negotiated and mutually-agreed to by the individual customer and Dominion for additional election events. Alternatively, and in an effort to help the counties manage costs, we recommend that pre-election work (programming, data base set up, ballot creation) be completed remotely. Dominion has provided costs for both options in our pricing.



### **In-Person Support**

Dominion's Ohio team includes key Ohio-based experienced staff, with extensive expertise in system implementation, project management and technical support obtained through years of dedicated customer service within the elections industry.

Transportation of equipment to the polling locations is not part of Dominion's customary pricing or performance model, and so we have not included pricing for this as part of this ITB. However, Dominion will negotiate and contract for these services with the individual customer if desired. In our vast and extensive domestic election system deployment experience, most customers typically manage their own transportation of equipment to and from the polling location. This is the preferred method of delivery based on cost, logistical efficiency, and operational preference.

### **Third Party or Independent Contractor**

Typically, a Dominion employee will be the one to provide support for these services, however at times during large implementations or busy election periods we may rely on third parties or independent contractors that are fully vetted by Dominion, who have extensive operational experience with our products, and possess a thorough understanding and knowledge of our voting systems and all components.

## **X. Escrow**

The vendor must maintain an escrow agreement covering all source codes of the voting system for a period of ten years from the date of delivery to and acceptance by a purchasing county board of elections. The Ohio Secretary of State shall have the right to access the source codes in escrow. The vendor must pay all costs associated with 1) placing the codes in escrow and 2) verifying that the vendor has placed the codes in escrow (note: the escrow agent conducts this verification and charges a separate fee for this service).

Agreed. Dominion Voting will maintain an escrow agreement covering all source codes of the voting system for a period of ten years from the date of delivery to and acceptance by a purchasing county's Board of Elections.

# Bid Price Pages

## Pricing Documents for the ImageCast Precinct

Index No : MAC113

Page 11

### BID PRICE PAGE

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc ): Optical Scan ICP – 15K RV's, 30K precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples

**Example A\*:**

Fewer than 19,999 registered voters  
1 in-person absentee voting location  
13 to 39 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc. costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission

Item	Quantity	Unit Cost	Extended Cost
ImageCast Precinct Optical Scan	33	\$3,800	\$128,700
Audio Tactile Interface (ATI) Accessible Unit	33	\$240	\$7,920
ImageCast Ballot Box	33	\$1,000	\$33,000
ImageCast Central Kit (Absentee Ballot Scanner)	1	\$25,000	\$25,000
Smart Card Reader Writer	2	\$22	\$44
Mobile Ballot Printing (MBP) Kit OKI Data C931E	1	\$11,560	\$11,560
Democracy Suite Standard Server Kit	1	\$5,000	\$5,000
Democracy Suite (EMS) Level 1 (0K - 15K)	1	\$40,000	\$40,000
EMS Report Printer	1	\$250	\$250
Mobile Ballot Printing Level 1 (0K -15K)	1	\$2,000	\$2,000
Project Management and Implementation	3	\$2,000	\$6,000
Product Implementation and Support	5	\$2,000	\$10,000
System Acceptance Testing/Training	3	\$2,000	\$6,000
Democracy Suite Full System Training	5	\$2,000	\$10,000
On-site Logic and Accuracy Testing (oversight and supervision of staff)	2	\$2,000	\$4,000
Training Material Preparation	1	\$2,000	\$2,000
Training (poll worker, technician, user)	2	\$2,000	\$4,000
Election Set Up (Ballot Layout, Test Deck, Media)	1	\$3,500	\$3,500
3 Day Election On-Site Support	2	\$4,500	\$9,000
Support (on-site, off-site, pre-election, post-election, recount)	3	\$2,000	\$6,000
Helpdesk	1	\$2,000	\$2,000
Democracy Suite (EMS) Level 1 (0K - 15K) (years 2-5)	4	\$8,000	\$32,000
Mobile Ballot Printing Level 1 (0K – 50K) (years 2-5)	4	\$400	\$1,600
JCP Annual Firmware License (years 2-5)	33 (x4)	\$228	\$30,096
JCP Annual Hardware Warranty (years 2-5)	33 (x4)	\$135	\$17,820
ImageCast Central Kit (Absentee Ballot Scanner) Annual License	4 (x4)	\$2,575	\$41,200
ImageCast Central Kit (Absentee Ballot Scanner) Annual Warranty	4 (x4)	\$1,500	\$24,000
Subtotal – "State-Funded" Items (Table A of Bid Price Page)		\$	\$423,690
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$39,000
Total Cost for Example A			\$462,690

\*Not part of the evaluation, for reference only

**BID PRICE PAGE** (continued)

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.): ImageCast Precinct (ICP) – 50K RV's, 100 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples:

**Example B\*:**  
 Between 20,000 and 99,999 registered voters  
 1 in-person absentee voting location  
 Between 24 and 104 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc. costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast Precinct Optical Scan</i>	110	\$3,900	\$429,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	110	\$240	\$26,400
<i>ImageCast Ballot Box</i>	110	\$1,000	\$110,000
<i>ImageCast Central Kit (Absentee Ballot Scanner)</i>	1	\$25,000	\$25,000
<i>Smart Card Reader Writer</i>	2	\$22	\$44
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,560	\$11,560
<i>Democracy Suite Standard Server Kit</i>	1	\$5,000	\$5,000
<i>Democracy Suite (EMS) Level 3 (30K - 60K)</i>	1	\$80,000	\$80,000
<i>EMS Report Printer</i>	1	\$250	\$250
<i>Mobile Ballot Printing Level 3 (30K - 60K)</i>	1	\$3,000	\$3,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	10	\$2,000	\$20,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	3	\$2,000	\$6,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	3	\$2,000	\$6,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post-election, recount)</i>	5	\$2,000	\$10,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Democracy Suite (EMS) Level 3 (30K - 60K) (years 2-5)</i>	4	\$12,000	\$48,000
<i>Mobile Ballot Printing Level 3 (30K - 60K) (years 2-5)</i>	4	\$600	\$2,400
<i>ICP Annual Firmware License (years 2-5) (years 2-5)</i>	110 (x4)	\$228	\$100,320
<i>ICP Annual Hardware Warranty (years 2-5)</i>	110 (x4)	\$135	\$59,400
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<b>Subtotal - "State-Funded" Items (Table A of Bid Price Page)</b>		\$	\$925,174
<b>Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)</b>		\$	\$60,000
<b>Total Cost for Example B</b>			<b>\$985,174</b>

\*Not part of the evaluation, for reference only

**BID PRICE PAGE (continued)**

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) ImageCast Precinct (ICP) (100K RV's, 200 precincts)

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples.

- Example C\*:**  
 100,000 or more registered voters  
 1 in-person absentee voting location  
 Between 99 and 975 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
ImageCast Precinct Optical Scan	220	\$3,900	\$858,000
Audio Tactile Interface (ATI) Accessible Unit	220	\$240	\$52,800
ImageCast Ballot Box	220	\$1,000	\$220,000
ImageCast Central Kit (Absentee Ballot Scanner)	2	\$25,000	\$50,000
Smart Card Reader Writer	2	\$22	\$44
Mobile Ballot Printing (MBP) Kit Oki Data C931E	1	\$11,560	\$11,560
Democracy Suite Standard Server Kit	1	\$17,000	\$17,000
Democracy Suite (EMS) Level 4 (60K - 125K)	1	\$100,000	\$100,000
EMS Report Printer	1	\$250	\$250
Mobile Ballot Printing Level 4 (60K - 125K)	2	\$4,000	\$8,000
Project Management and Implementation	5	\$2,000	\$10,000
Product Implementation and Support	5	\$2,000	\$10,000
System Acceptance Testing/Training	20	\$2,000	\$40,000
Democracy Suite Full System Training	5	\$2,000	\$10,000
On-site Logic and Accuracy Testing (oversight and supervision of staff)	5	\$2,000	\$10,000
Training Material Preparation	1	\$2,000	\$2,000
Training (poll worker, technician, user)	5	\$2,000	\$10,000
Election Set Up (Ballot Layout, Test Deck, Media)	1	\$3,500	\$3,500
3 Day Election On-Site Support	2	\$4,500	\$9,000
Support (on-site, off-site, pre-election, post election, recount)	10	\$2,000	\$20,000
Helpdesk	1	\$2,000	\$2,000
Democracy Suite (EMS) Level 4 (60K - 15K) (years 2-5)	4	\$20,000	\$80,000
Mobile Ballot Printing Level 4 (60K - 125K) (years 2-5)	4	\$800	\$3,200
ImageCast Central Annual License	4	\$2,575	\$10,300
ImageCast Central Annual Warranty	4	\$1,500	\$6,000
ICP Annual Firmware License (years 2-5)	220 (x4)	\$228	\$200,640
ICP Annual Hardware Warranty (years 2-5)	220 (x4)	\$135	\$118,800
Subtotal - "State-Funded" Items (Table A of Bid Price Page)		\$	\$1,800,094
Subtotal - Non-State-Funded Items (Table B of Bid Price Page)		\$	\$63,000
<b>Total Cost for Example C</b>			<b>\$1,863,094</b>

\*Not part of the evaluation, for reference only



**BID PRICE PAGE** (continued)

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.): ImageCast Precinct (ICP)

In the tables below, the bidder is to enter the items listed and unit cost

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. Include the required years 6 through 10 warranty as a line item in the optional section. If the life expectancy of the solution is more than 10 years, include the required warranty as a line item in the optional section. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

TABLE A: State-Funded Items

Item	Unit Cost
High Speed Scanner (for Central Count of Absentee Ballots)	\$25,000
Software for High Speed Scanner	\$12,875
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware	\$2,575
Workstation for High Speed Scanner (i.e., laptop/desktop, monitor, etc.)	\$ included
Memory Device or Drives for Use of High-Speed Scanner (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$ included
Security Devices (e.g., keys, locks, etc.) for High-Speed Scanner – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock)	\$25
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs])	\$7,200
Software for Precinct-Based Equipment (* Firmware – annual after year one)	\$228
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware (per unit)	\$135
Voter Privacy Screens	\$15
Memory Device or Drives for Precinct-Based Voting Equipment (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$40
Security Devices (e.g., keys, locks, etc.) for Precinct-Based Voting Equipment – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock) (* variety of options available)	\$27 (per 100)
Starter Cartridge for Printer (If needed) for Precinct-Based Equipment for initial use (* ICE unit only)	\$25
Batteries, Chargers, Power Strips, Cords, Cables, Routers (Necessary for the Configuration and Operation of Precinct-Based Voting Equipment, High-Speed Scanner, ADA-Accessible Voting Equipment, or Workstations) – only the amount necessary for initial set-up and operation	\$ included
Accessible Ballot Marking Device – ADA (* same unit as above, all DVS voting devices are "All-in-One")	\$7,200
Stand for Accessible Ballot Marking Device – ADA – if necessary part of voting machine (ballot box)	\$ n/a
Printer - Accessible Ballot Marking Device - ADA	\$ included
Starter Cartridges for Accessible Ballot Marking Device Printer – ADA – for initial use	\$ included
Stand for Printer - Accessible Ballot Marking Device – ADA – if necessary part of voting machine	\$ n/a
Accessible Voting Booth - ADA – if necessary part of voting machine	\$ n/a
Accessibility Aids - ADA (e.g., jelly switches, headphones, microphone, keyboards, etc.) – if 5-year (or greater) useful life (* standard ATI, various options available)	\$240
Software for Accessible Ballot Marking Device – ADA (* firmware – annual license)	\$228
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware	\$135
Memory Devices or Drives for Use of Accessible Ballot Marking Device – ADA (itemized by storage capacity)	\$40
Security Devices (e.g., keys, locks, etc.) for Accessible Ballot Marking Device – ADA	\$27 (per 100)
Election Management and Ballot Definition Software (* 9 levels based on voter registration)	\$40K – 700K
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters) (*base)	\$75



TABLE A: State-Funded Items (continued)

Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware (* 9 levels based on voter registration after year one)	\$8K – 140K
Server for Election Management and Tabulation Systems (for purposes of creating standalone network of workstations) (* base price based on size of jurisdiction)	\$5,000 - \$17,000
Workstation/Server for Election Management and Ballot Definition Software (* if needed)	\$2,500
Tabulation Software (* included in EMS line above)	\$ included
Licensing and Support for Tabulation Software – Years 1-5 and billed with hardware (*included with EMS above)	\$ n/a
Workstation/Server for Tabulation Software (* included in EMS workstation line above)	\$ n/a
Ballot Printer	\$11,580
Software for Ballot Printer (*9 levels based on voter registration)	\$2K – 30K
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)	\$ n/a
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware (*9 levels from VR)	\$400 – 6,000
Starter Cartridges for Ballot Printer – for initial use	\$ included
Warranty on Any and All Hardware – Years 1-5 and billed with hardware (* ICC and Ballot Printer)	\$1,500 - \$5,000
Delivery, Shipping of Equipment to Board of Elections' Office or Facility	\$ actual cost
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$2,000 per day
Setup of Equipment at Board of Elections' Office	\$2,000 per day
Logic and Accuracy Testing Prior to First Election	\$2,000 per day
<b>TOTAL one (1) each of all State-Funded Items</b>	\$

**BID PRICE PAGE** (continued)

TABLE B Non-State-Funded Items

Transport Bags or Cases for Accessible Equipment - ADA	\$ n/a
Licensing and Support for Software for High-Speed Scanner - Extended - Years 6-10	\$2,575
Additional Toner, Ink, Cartridges for High-Speed Scanner (* black, cyan, yellow, magenta costs differ)	\$228 - 429
Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10 (per unit per year)	\$135
Ballot Box or Bag for Precinct-Based Equipment	\$1,000
Transport Bag or Case for Precinct-Based Equipment	\$120
Additional Consumables for Initial Use of Precinct-Based Voting Equipment (e.g., paper ballots, rolls, or cards, etc.) (* paper rolls and ink cartridges)	\$4 - 25
Licensing and Support for Software for Accessible Ballot Marking Device - ADA - Extended - Years 6-10	\$ n/a
Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10 (year)	\$8K - 140K
Licensing and Support for Tabulation Software - Extended - Years 6-10 (* included with EMS software)	\$ n/a
Licensing and Support for Software for Ballot Printer - Extended - Years 6-10 (* 9 levels based on VR)	\$400 - 6,000
Warranty on Any and All Hardware - Years 6-10	\$135 unit year
Maintenance on Any and All Hardware unless specified in above table - Years 1-5	\$1,500 - 5,000
Maintenance on Any and All Hardware - Years 6-10 (* on-site, off-site \$175 hour)	\$2,000
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) unless specified in above table - Years 1-5	\$2,000 per day
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) - Years 6-10	\$2,000 per day
Phone Support (i.e., a board of elections may contact a designated individual or Helpdesk for assistance with troubleshooting issues) (* one time)	\$2,000 one time
Online Support (i.e., a board of elections may submit issues via an online portal hosted by the voting system's vendor) (* included if EMS annual software fees are paid)	\$ n/a
On-Site Repairs to Hardware (as opposed to having to ship equipment off-site)	\$2,000 per day
Software Upgrades (* included if EMS annual software fees are paid)	\$ n/a
Pre-Election Support (e.g., setup of election management software, pre-election programming and setup of ballots, configuration of reports, etc.)	\$2,000 per day
Creation of Test Desk (for pre-election testing)	\$ included
Cost of Printing Test Deck (per sheet using ballot printer system)	\$ included
Cost of Printing Test Deck (per sheet using print vendor)	\$ n/a printer
Setup, Configuration, and Printing Fees for Ballot Stub Barcode	\$ n/a printer
Pre-Election Setup for Ballot Printer System	\$ included
Ballot Processing Fees (per sheet or per ballot style) for Ballot Printer System (* no charge)	\$ n/a
Assistance with Deployment of Equipment to Polling Locations	\$2,000 per day
Training of Board of Elections' Staff	\$2,000 per day
Training Materials for Precinct Election Officials (* one time unless special requests)	\$2,000
Training of Precinct Election Officials	\$2,000 per day
Training Videos for Precinct Election Officials (* actual cost charged if video is customized)	\$ included
Demonstration Videos for Voters (* actual cost charged if video is customized)	\$ included
Project Management (i.e., project plan and work schedule for deployment; issue identification and resolution; performance measurement against project plan; risk management strategy; quality management plan; resource allocation plan; configuration management plan, and issue management)	\$2,000 per day
Election Day Support (e.g., phone support, dispatch and onsite incident resolution, etc.) (* 3 day on-site)	\$4,500
Election Night Support (e.g., on-site or remote assistance with tabulation and results reporting, etc.) (* 3 day)	\$ n/a
Post-Election Support (e.g., on-site or remote assistance with official canvass of election, etc.)	\$2,000 per day



# Pricing Documents for the ImageCast Evolution

Index No MAC113

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## BID PRICE PAGE

Vendor Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) Optical Scan ICE 15K RV, 30 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples

**Example A\*:**  
 Fewer than 19,999 registered voters  
 1 in-person absentee voting location  
 13 to 39 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast Evolution Optical Scan</i>	33	\$7,200	\$237,600
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	33	\$240	\$7,920
<i>ImageCast Ballot Box</i>	33	\$1,000	\$33,000
<i>ImageCast Central Kit (Absentee Ballot Scanner)</i>	1	\$25,000	\$25,000
<i>Smart Card Reader Writer</i>	2	\$22	\$44
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,560	\$11,560
<i>Democracy Suite Standard Server Kit</i>	1	\$5,000	\$5,000
<i>Democracy Suite (EMS) Level 1 (0K - 15K)</i>	1	\$40,000	\$40,000
<i>EMS Report Printer</i>	1	\$250	\$250
<i>Mobile Ballot Printing Level 1 (0K - 15K)</i>	1	\$2,000	\$2,000
<i>Project Management and Implementation</i>	3	\$2,000	\$6,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	3	\$2,000	\$6,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	2	\$2,000	\$4,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	2	\$2,000	\$4,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post-election, recount)</i>	3	\$2,000	\$6,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Democracy Suite (EMS) Level 1 (0K - 15K) (years 2-5)</i>	4	\$8,000	\$32,000
<i>Mobile Ballot Printing Level 1 (0K - 50K) (years 2-5)</i>	4	\$400	\$1,600
<i>ICE Annual Firmware License (years 2-5)</i>	33 (x4)	\$228	\$30,096
<i>ICE Annual Hardware Warranty (years 2-5)</i>	33 (x4)	\$235	\$31,020
<i>ImageCast Central Kit (Absentee Ballot Scanner) Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Kit (Absentee Ballot Scanner) Annual Warranty</i>	4	\$1,500	\$6,000
Subtotal - "State-Funded" Items (Table A of Bid Price Page)		\$	\$496,890
Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$39,000
Total Cost for Example A			\$535,890

\*Not part of the evaluation, for reference only

**BID PRICE PAGE** (continued)

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) Optical Scan ImageCast Evolution (ICE) – 50K RV's, 100 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples:

**Example B\*:**  
 Between 20,000 and 99,999 registered voters  
 1 in-person absentee voting location  
 Between 24 and 104 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast Evolution Optical Scan</i>	110	\$7,200	\$792,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	110	\$240	\$26,400
<i>ImageCast Ballot Box</i>	110	\$1,000	\$110,000
<i>ImageCast Central Kit (Absentee Ballot Scanner)</i>	1	\$25,000	\$25,000
<i>Smart Card Reader Writer</i>	2	\$22	\$44
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,560	\$11,560
<i>Democracy Suite Standard Server Kit</i>	1	\$5,000	\$5,000
<i>Democracy Suite (EMS) Level 3 (30K - 60K)</i>	1	\$60,000	\$60,000
<i>EMS Report Printer</i>	1	\$250	\$250
<i>Mobile Ballot Printing Level 3 (30K -60K)</i>	1	\$3,000	\$3,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	10	\$2,000	\$20,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	3	\$2,000	\$6,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	3	\$2,000	\$6,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post-election, recount)</i>	5	\$2,000	\$10,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Democracy Suite (EMS) Level 3 (30K - 60K) (years 2-5)</i>	4	\$12,000	\$48,000
<i>Mobile Ballot Printing Level 3 (30K - 60K) (years 2-5)</i>	4	\$600	\$2,400
<i>ICE Annual Firmware License (years 2-5 (years 2-5)</i>	110 (x4)	\$228	\$100,320
<i>ICE Annual Hardware Warranty (years 2-5)</i>	110 (x4)	\$235	\$103,400
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<b>Subtotal – "State-Funded" Items (Table A of Bid Price Page)</b>		\$	\$1,343,174
<b>Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)</b>		\$	\$49,000
<b>Total Cost for Example B</b>			<b>\$1,392,174</b>

\*Not part of the evaluation, for reference only

**BID PRICE PAGE** (continued)Vendor: Dominion Voting SystemsSolution Description (Optical Scan, DRE, Hybrid, etc ) Optical Scan - ImageCast Evolution (100K RV's, 200 precincts)

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples.

**Example C\*:**

100,000 or more registered voters  
1 in-person absentee voting location  
Between 99 and 975 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast Evolution Optical Scan</i>	220	\$7,200	\$1,584,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	220	\$240	\$52,800
<i>ImageCast Ballot Box</i>	220	\$1,000	\$220,000
<i>ImageCast Central Kit (Absentee Ballot Scanner)</i>	2	\$25,000	\$50,000
<i>Smart Card Reader Writer</i>	2	\$22	\$44
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,560	\$11,560
<i>Democracy Suite Standard Server Kit</i>	1	\$17,000	\$17,000
<i>Democracy Suite (EMS) Level 4 (60K - 125K)</i>	1	\$100,000	\$100,000
<i>EMS Report Printer</i>	1	\$250	250
<i>Mobile Ballot Printing Level 4 (60K -125K)</i>	2	\$4,000	\$4,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	20	\$2,000	\$40,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	5	\$2,000	\$10,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	5	\$2,000	\$10,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post election, recount)</i>	10	\$2,000	\$20,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Democracy Suite (EMS) Level 4 (60K - 15K) (years 2-5)</i>	4	\$20,000	\$80,000
<i>Mobile Ballot Printing Level 4 (60K - 125K) (years 2-5)</i>	4	\$800	\$2,400
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<i>ICE Annual Firmware License (years 2-5)</i>	220 (x4)	\$228	\$200,640
<i>ICE Annual Hardware Warranty (years 2-5)</i>	220 (x4)	\$235	\$206,800
Subtotal - "State-Funded" Items (Table A of Bid Price Page)		\$	\$2,614,094
Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$63,000
Total Cost for Example C			\$2,677,094

\*Not part of the evaluation, for reference only

**BID PRICE PAGE** (continued)Vendor: Dominion Voting SystemsSolution Description (Optical Scan, DRE, Hybrid, etc.): Optical Scan – ImageCast Evolution (ICE)

In the tables below, the bidder is to enter the items listed and unit cost.

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc. costs for the solution as defined in this ITB. Include the required years 6 through 10 warranty as a line item in the optional section. If the life expectancy of the solution is more than 10 years, include the required warranty as a line item in the optional section. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

TABLE A State-Funded Items

Item	Unit Cost
High-Speed Scanner (for Central Count of Absentee Ballots)	\$25,000
Software for High-Speed Scanner	\$12,875
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware	\$2,575
Workstation for High Speed Scanner (i.e., laptop/desktop, monitor, etc.)	\$ included
Memory Device or Drives for Use of High-Speed Scanner (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$ included
Security Devices (e.g., keys, locks, etc.) for High-Speed Scanner – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock)	\$25
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units (DREs))	\$7,200
Software for Precinct-Based Equipment (* Firmware – annual after year one)	\$228
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware (per unit)	\$135
Voter Privacy Screens	\$15
Memory Device or Drives for Precinct-Based Voting Equipment (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$40
Security Devices (e.g., keys, locks, etc.) for Precinct-Based Voting Equipment – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock) (* variety of options available)	\$27 (per 100)
Starter Cartridge for Printer (If needed) for Precinct-Based Equipment for initial use (* ICE unit only)	\$25
Batteries, Chargers, Power Strips, Cords, Cables, Routers (Necessary for the Configuration and Operation of Precinct-Based Voting Equipment, High-Speed Scanner, ADA-Accessible Voting Equipment, or Workstations) – only the amount necessary for initial set-up and operation.	\$ included
Accessible Ballot Marking Device – ADA (* same unit as above, all DVS voting devices are "All-in-One")	\$7,200
Stand for Accessible Ballot Marking Device – ADA – if necessary part of voting machine (ballot box)	\$ n/a
Printer - Accessible Ballot Marking Device - ADA	\$ included
Starter Cartridges for Accessible Ballot Marking Device Printer – ADA – for initial use	\$ included
Stand for Printer - Accessible Ballot Marking Device – ADA – if necessary part of voting machine	\$ n/a
Accessible Voting Booth - ADA – if necessary part of voting machine	\$ n/a
Accessibility Aids - ADA (e.g., jelly switches, headphones, microphone, keyboards, etc.) – if 5-year (or greater) useful life (* standard AT), various options available)	\$240
Software for Accessible Ballot Marking Device – ADA (* firmware – annual license)	\$228
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware	\$135
Memory Devices or Drives for Use of Accessible Ballot Marking Device – ADA (itemized by storage capacity)	\$40
Security Devices (e.g., keys, locks, etc.) for Accessible Ballot Marking Device – ADA	\$27 (per 100)
Election Management and Ballot Definition Software (* 9 levels based on voter registration)	\$40K – 700K
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters) (*base)	\$75

TABLE A: State-Funded Items (continued)

Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware (* 9 levels based on voter registration after year one)	\$8K – 140K
Server for Election Management and Tabulation Systems (for purposes of creating standalone network of workstations) (* base price based on size of jurisdiction)	\$5,000 – \$17,000
Workstation/Server for Election Management and Ballot Definition Software (* if needed)	\$2,500
Tabulation Software (* included in EMS line above)	\$ included
Licensing and Support for Tabulation Software – Years 1-5 and billed with hardware (*included with EMS above)	\$ n/a
Workstation/Server for Tabulation Software (* included in EMS workstation line above)	\$ n/a
Ballot Printer	\$11,560
Software for Ballot Printer (*9 levels based on voter registration)	\$2K – 30K
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)	\$ n/a
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware (*9 levels from VR)	\$400 – 6,000
Starter Cartridges for Ballot Printer – for initial use	\$ included
Warranty on Any and All Hardware – Years 1-5 and billed with hardware (* ICC and Ballot Printer)	\$1,500 – \$5,000
Delivery, Shipping of Equipment to Board of Elections' Office or Facility	\$ actual cost
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$2,000 per day
Setup of Equipment at Board of Elections' Office	\$2,000 per day
Logic and Accuracy Testing Prior to First Election	\$2,000 per day
<b>TOTAL one (1) each of all State-Funded Items</b>	\$

**BID PRICE PAGE** (continued)

TABLE B Non-State-Funded Items

Transport Bags or Cases for Accessible Equipment - ADA	\$ n/a
Licensing and Support for Software for High-Speed Scanner - Extended - Years 6-10	\$2,575
Additional Toner, Ink, Cartridges for High-Speed Scanner (* black, cyan, yellow, magenta costs differ)	\$228 - 429
Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10 (per unit per year)	\$135
Ballot Box or Bag for Precinct-Based Equipment	\$1,000
Transport Bag or Case for Precinct-Based Equipment	\$120
Additional Consumables for Initial Use of Precinct-Based Voting Equipment (e.g., paper ballots, rolls, or cards, etc.) (* paper rolls and ink cartridges)	\$4 - 25
Licensing and Support for Software for Accessible Ballot Marking Device - ADA - Extended - Years 6-10	\$ n/a
Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10 (year)	\$8K - 140K
Licensing and Support for Tabulation Software - Extended - Years 6-10 (* included with EMS software)	\$ n/a
Licensing and Support for Software for Ballot Printer - Extended - Years 6-10 (* 9 levels based on VR)	\$400 - 6,000
Warranty on Any and All Hardware - Years 6-10	\$135 unit year
Maintenance on Any and All Hardware unless specified in above table - Years 1-5	\$1,500 - 5,000
Maintenance on Any and All Hardware - Years 6-10 (* on-site, off-site \$175 hour)	\$2,000
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc) unless specified in above table - Years 1-5	\$2,000 per day
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc) - Years 6-10	\$2,000 per day
Phone Support (i.e., a board of elections may contact a designated individual or Helpdesk for assistance with troubleshooting issues) (* one time)	\$2,000 one time
Online Support (i.e., a board of elections may submit issues via an online portal hosted by the voting system's vendor) (* included if EMS annual software fees are paid)	\$ n/a
On-Site Repairs to Hardware (as opposed to having to ship equipment off-site)	\$2,000 per day
Software Upgrades (* included if EMS annual software fees are paid)	\$ n/a
Pre-Election Support (e.g., setup of election management software, pre-election programming and setup of ballots, configuration of reports, etc.)	\$2,000 per day
Creation of Test Deck (for pre-election testing)	\$ included
Cost of Printing Test Deck (per sheet using ballot printer system)	\$ included
Cost of Printing Test Deck (per sheet using print vendor)	\$ n/a printer
Setup, Configuration, and Printing Fees for Ballot Stub Barcode	\$ n/a printer
Pre-Election Setup for Ballot Printer System	\$ included
Ballot Processing Fees (per sheet or per ballot style) for Ballot Printer System (* no charge)	\$ n/a
Assistance with Deployment of Equipment to Polling Locations	\$2,000 per day
Training of Board of Elections' Staff	\$2,000 per day
Training Materials for Precinct Election Officials (* one time unless special requests)	\$2,000
Training of Precinct Election Officials	\$2,000 per day
Training Videos for Precinct Election Officials (* actual cost charged if video is customized)	\$ included
Demonstration Videos for Voters (* actual cost charged if video is customized)	\$ included
Project Management (i.e., project plan and work schedule for deployment, issue identification and resolution, performance measurement against project plan, risk management strategy, quality management plan, resource allocation plan, configuration management plan, and issue management)	\$2,000 per day
Election Day Support (e.g., phone support, dispatch and onsite incident resolution, etc.) (* 3 day on-site)	\$4,500
Election Night Support (e.g., on-site or remote assistance with tabulation and results reporting, etc.) (* 3 day)	\$ n/a
Post-Election Support (e.g., on-site or remote assistance with official canvass of election, etc.)	\$2,000 per day

# Pricing Documents for ImageCast X Prime BMD

Index No. MAC113

Page 11

## BID PRICE PAGE

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) "Hybrid" – ICX Prime BMD (15K RV's, 30 precincts)

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples:

**Example A\*:**  
 Fewer than 19,999 registered voters  
 1 in-person absentee voting location  
 13 to 39 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast X Prime BMD (21 inch) Kit (includes in-person absentee, plus)</i>	93	\$3,500	\$325,500
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	33	\$385	\$12,705
<i>ImageCast ICX Voting Booth</i>	93	\$250	\$23,250
<i>ImageCast Precinct</i>	33	\$3,900	\$128,700
<i>ICC Central Scanner</i>	1	\$25,000	\$25,000
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,150	\$11,150
<i>Democracy Suite EMS Express Server Kit</i>	1	\$5,000	\$5,000
<i>Democracy Suite (EMS) Level 1 (0K - 15K)</i>	1	\$40,000	\$40,000
<i>EMS Report Printer</i>	1	250	\$250
<i>Mobile Ballot Printing Level 1 (0K - 15K)</i>	1	\$2,000	\$2,000
<i>Project Management and Implementation</i>	3	\$2,000	\$6,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	5	\$2,000	\$10,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	3	\$2,000	\$6,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	2	\$2,000	\$4,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post election, recount)</i>	5	\$2,000	\$10,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Dual Bay Battery Charger</i>	2	\$165	\$330
<i>Compact Flash Reader Writer</i>	2	\$75	\$150
<i>Democracy Suite (EMS) Level 1 (0K - 15K) (years 2-5)</i>	4	\$8,000	\$32,000
<i>Mobile Ballot Printing (MBP) Level 1 (0K - 15K) (years 2-5)</i>	4	\$400	\$1,600
<i>ICX - Prime BMD (21 inch) Annual Firmware License (years 2-5)</i>	93 (x4)	\$95	\$35,340
<i>ICX - Prime BMD (21 inch) Annual Hardware Warranty (years 2-5)</i>	93 (x4)	\$90	\$33,480
<i>ICP Annual Firmware License (years 2-5)</i>	33 (x4)	\$228	\$30,096
<i>ICP Annual Hardware Warranty (years 2-5)</i>	33 (x4)	\$235	\$31,020
<i>Subtotal - "State Funded" Items (Table A of Bid Price Page)</i>		\$	\$767,071
<i>Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)</i>		\$	\$43,000
<i>Total Cost for Example A</i>			\$810,071

\*Not part of the evaluation, for reference only



**BID PRICE PAGE** (continued)

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) "Hybrid" ICX Prime BMD - 50K RV, 100 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples:

**Example B\*:**  
 Between 20,000 and 99,999 registered voters  
 1 in-person absentee voting location  
 Between 24 and 104 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast X Prime BMD (21 inch) Kit (includes in-person absentee, plus)</i>	314	\$3,500	\$1,099,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	110	\$385	\$42,350
<i>ImageCast ICX Voting Booth</i>	314	\$250	\$78,500
<i>ImageCast Precinct Optical Scanner</i>	110	\$3,900	\$429,000
<i>JCC Central Scanner</i>	1	\$25,000	\$25,000
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,150	\$11,150
<i>Democracy Suite EMS Express Server Kit</i>	1	\$5,000	\$5,000
<i>Democracy Suite (EMS) Level 3 (30K - 60K)</i>	1	\$60,000	\$60,000
<i>EMS Report Printer</i>	1	250	\$250
<i>Mobile Ballot Printing Level 3 (30K - 60K)</i>	1	\$3,000	\$3,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	15	\$2,000	\$30,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	3	\$2,000	\$6,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	3	\$2,000	\$6,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post election, recount)</i>	5	\$2,000	\$10,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Dual Bay Battery Charger</i>	4	\$165	\$660
<i>Compact Flash Reader Writer</i>	4	\$75	\$300
<i>Democracy Suite (EMS) Level 3 (30K - 60K) (years 2-5)</i>	4	\$5,000	\$20,000
<i>Mobile Ballot Printing (MBP) Level 3 (30K - 60K) (years 2-5)</i>	4	\$600	\$2,400
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<i>ICX - Prime BMD (21 inch) Annual Firmware License (years 2-5)</i>	314 (x4)	\$95	\$119,320
<i>ICX - Prime BMD (21 inch) Annual Hardware Warranty (years 2-5)</i>	314(x4)	\$90	\$113,040
<i>JCP Annual Firmware License (years 2-5)</i>	110 (x4)	\$228	\$100,320
<i>JCP Annual Hardware License (years 2-5)</i>	110 (x4)	\$235	\$103,400
Subtotal - "State-Funded" Items (Table A of Bid Price Page)		\$	\$2,278,490
Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$49,000
<b>Total Cost for Example B</b>			<b>\$2,327,490</b>

\*Not part of the evaluation for reference only





**BID PRICE PAGE** (continued)Vendor: Dominion Voting SystemsSolution Description (Optical Scan, DRE, Hybrid, etc ) "Hybrid" ICX Prime BMD – 100K RV, 200 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples.

**Example C\*:**  
 100,000 or more registered voters  
 1 in-person absentee voting location  
 Between 99 and 975 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast X Prime BMD (21 inch) Kit (includes in-person absentee, plus)</i>	628	\$3,500	\$2,198,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	220	\$385	\$84,700
<i>ImageCast ICX Voting Booth</i>	628	\$250	\$157,000
<i>ImageCast Precinct Optical Scanner</i>	220	\$3,900	\$858,000
<i>JCC Central Scanner</i>	2	\$25,000	\$50,000
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,150	\$11,150
<i>Democracy Suite EMS Express Server Kit</i>	1	\$17,000	\$17,000
<i>Democracy Suite (EMS) Level 4 (60K - 125K)</i>	1	\$100,000	\$100,000
<i>EMS Report Printer</i>	2	\$250	\$500
<i>Mobile Ballot Printing Level 4 (60K - 125K)</i>	2	\$3,000	\$6,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	10	\$2,000	\$20,000
<i>System Acceptance Testing/Training</i>	32	\$2,000	\$64,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	5	\$2,000	\$10,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	2	\$2,000	\$4,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post election, recount)</i>	10	\$2,000	\$20,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Dual Bay Battery Charger</i>	8	\$165	\$1,320
<i>Compact Flash Reader Writer</i>	8	\$75	\$600
<i>Democracy Suite (EMS) Level 4 (60K - 125K) (years 2-5)</i>	4	\$12,000	\$48,000
<i>Mobile Ballot Printing (MBP) Level 3 (30K - 60K) (years 2-5)</i>	4	\$600	\$2,400
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<i>ICX - Prime BMD (21 inch) Annual Firmware License (years 2-5)</i>	628 (x4)	\$95	\$238,640
<i>ICX - Prime BMD (21 inch) Annual Hardware Warranty (years 2-5)</i>	628(x4)	\$90	\$226,080
<i>ICP Annual Firmware License (years 2-5)</i>	220 (x4)	\$228	\$200,640
<i>ICP Annual Firmware License (years 2-5)</i>	220 (x4)	\$228	\$200,640
Subtotal - "State-Funded" Items (Table A of Bid Price Page)		\$	\$4,504,470
Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$67,000
<b>Total Cost for Example C</b>			<b>\$4,571,470</b>

\*Not part of the evaluation, for reference only

**BID PRICE PAGE** (continued)Vendor: Dominion Voting SystemsSolution Description (Optical Scan, DRE, Hybrid, etc.) Optical Scan (ICP and ICE)

In the tables below, the bidder is to enter the items listed and unit cost

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. Include the required years 6 through 10 warranty as a line item in the optional section. If the life expectancy of the solution is more than 10 years, include the required warranty as a line item in the optional section. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission

TABLE A. State-Funded Items

Item	Unit Cost
High-Speed Scanner (for Central Count of Absentee Ballots)	\$25,000
Software for High-Speed Scanner	\$12,875
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware	\$2,575
Workstation for High Speed Scanner (i.e., laptop/desktop, monitor, etc.)	\$ included
Memory Device or Drives for Use of High-Speed Scanner (itemized by storage capacity)– device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$ included
Security Devices (e.g., keys, locks, etc.) for High-Speed Scanner – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock)	\$25
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs])	\$3,500 ICX \$3,900 ICP
Software for Precinct-Based Equipment (* Firmware – annual after year one)	\$95 ICX \$228.00 ICP
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware	\$90 ICX \$135 ICP
Voter Privacy Screens	\$15
Memory Device or Drives for Precinct-Based Voting Equipment (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$40
Security Devices (e.g., keys, locks, etc.) for Precinct-Based Voting Equipment – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock) (* variety of options available)	\$27 (per 100)
Starter Cartridge for Printer (If needed) for Precinct-Based Equipment for initial use (* ICE unit only)	\$25
Batteries, Chargers, Power Strips, Cords, Cables, Routers (Necessary for the Configuration and Operation of Precinct-Based Voting Equipment, High-Speed Scanner, ADA-Accessible Voting Equipment, or Workstations) – only the amount necessary for initial set-up and operation	\$ included
Accessible Ballot Marking Device - ADA	\$3,500
Stand for Accessible Ballot Marking Device – ADA – if necessary part of voting machine	\$ n/a
Printer - Accessible Ballot Marking Device - ADA	\$ included
Starter Cartridges for Accessible Ballot Marking Device Printer – ADA – for initial use	\$ included
Stand for Printer - Accessible Ballot Marking Device – ADA – if necessary part of voting machine	\$ n/a
Accessible Voting Booth - ADA – if necessary part of voting machine	\$ 250
Accessibility Aids - ADA (e.g., jelly switches, headphones, microphone, keyboards, etc.) – if 5-year (or greater) useful life. (* standard ATI, various options available)	\$240
Software for Accessible Ballot Marking Device – ADA (* firmware – annual license)	\$228
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware (	\$135
Memory Devices or Drives for Use of Accessible Ballot Marking Device – ADA (itemized by storage capacity)	\$40
Security Devices (e.g., keys, locks, etc.) for Accessible Ballot Marking Device – ADA	\$27 (per 100)
Election Management and Ballot Definition Software (* 9 levels based on voter registration)	\$40K – 700K
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters) (*base)	\$75

TABLE A. State-Funded Items (continued)

Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware (* 9 levels based on voter registration)	\$8K – 140K
Server for Election Management and Tabulation Systems (for purposes of creating standalone network of workstations) (* base price based on	\$5,000 - \$17,000
Workstation/Server for Election Management and Ballot Definition Software (* if needed)	\$2,500
Tabulation Software (* included in EMS line above)	\$ included
Licensing and Support for Tabulation Software – Years 1-5 and billed with hardware (*included with EMS above)	\$ n/a
Workstation/Server for Tabulation Software (* Included in EMS workstation line above)	\$ n/a
Ballot Printer	\$11,560
Software for Ballot Printer (*9 levels based on voter registration)	\$2K – 30K)
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)	\$ n/a
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware (*9 levels from VR)	\$400 – 6,000)
Starter Cartridges for Ballot Printer – for initial use	\$included
Warranty on Any and All Hardware – Years 1-5 and billed with hardware (* ICC and Ballot Printer)	\$1,500 - \$5,000
Delivery, Shipping of Equipment to Board of Elections' Office or Facility	\$ actual cost
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$ 2,000 per day
Setup of Equipment at Board of Elections' Office	\$2,000 per day
Logic and Accuracy Testing Prior to First Election	\$2,000 per day
<b>TOTAL one (1) each of all State-Funded Items</b>	\$

**BID PRICE PAGE** (continued)

TABLE B: Non-State-Funded Items

Transport Bags or Cases for Accessible Equipment - ADA	\$ n/a
Licensing and Support for Software for High-Speed Scanner - Extended - Years 6-10	\$2,575
Additional Toner, Ink, Cartridges for High-Speed Scanner	\$242-429
Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10	\$228
Ballot Box or Bag for Precinct-Based Equipment	\$225
Transport Bag or Case for Precinct-Based Equipment	\$ n/a
Additional Consumables for Initial Use of Precinct-Based Voting Equipment (e.g., paper ballots, rolls, or cards, etc.)	\$4 00 paper roll, \$25 ink cart.
Licensing and Support for Software for Accessible Ballot Marking Device - ADA - Extended - Years 6-10	\$228
Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10 (9 level)	\$40k - 700K
Licensing and Support for Tabulation Software - Extended - Years 6-10 (* annual firmware per device)	\$135 unit year
Licensing and Support for Software for Ballot Printer - Extended - Years 6-10 (* 9 levels based on VR)	\$400 - 6,000
Warranty on Any and All Hardware - Years 6-10	\$228 unit year
Maintenance on Any and All Hardware unless specified in above table - Years 1-5	\$1,500 - \$5,000
Maintenance on Any and All Hardware - Years 6-10 (* on-site, off-site is \$175 per hour)	\$2,000
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) unless specified in above table - Years 1-5 (* included with MSA)	\$2 000 per day
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) - Years 6-10 (8 included with MSA)	\$ 2 000 per day
Phone Support (i.e., a board of elections may contact a designated individual or Helpdesk for assistance with troubleshooting issues) (* one time charge)	\$2 000 one time
Online Support (i.e., a board of elections may submit issues via an online portal hosted by the voting system's vendor)	\$ n/a
On-Site Repairs to Hardware (as opposed to having to ship equipment off-site)	\$2,000 per day
Software Upgrades (* included with annual EMS software license fee)	\$ included
Pre Election Support (e.g., setup of election management software, pre-election programming and setup of ballots, configuration of reports, etc.)	\$2,000 per day
Creation of Test Desk (for pre-election testing)	\$ included
Cost of Printing Test Deck (per sheet using ballot printer system)	\$ included
Cost of Printing Test Deck (per sheet using print vendor)	\$ n/a printer
Setup, Configuration, and Printing Fees for Ballot Stub Barcode	\$ n/a printer
Pre Election Setup for Ballot Printer System	\$ n/a
Ballot Processing Fees (per sheet or per ballot style) for Ballot Printer System	\$ included
Assistance with Deployment of Equipment to Polling Locations	\$2,000 per day
Training of Board of Elections' Staff	\$2,000 per day
Training Materials for Precinct Election Officials	\$2,000 one time
Training of Precinct Election Officials	\$2,000 per day
Training Videos for Precinct Election Officials (* actual cost charged if video is customized)	\$ included
Demonstration Videos for Voters (* actual cost charged if video is customized)	\$ included
Project Management (i.e., project plan and work schedule for deployment, issue identification and resolution, performance measurement against project plan, risk management strategy, quality management plan, resource allocation plan, configuration management plan, and issue management)	\$2,000 per day
Election Day Support (e.g., phone support, dispatch and onsite incident resolution, etc.) (8on-site 3 day min)	\$ 4,500
Election Night Support (e.g., on-site or remote assistance with tabulation and results reporting, etc.)	\$ included
Post-Election Support (e.g., on-site or remote assistance with official canvass of election, etc.)	\$2,000 per day

# Pricing Documents for ImageCast X Prime with VVPAT

Index No : MAC113

Page 11

## BID PRICE PAGE

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE Hybrid, etc.): DRE ICX Prime with VVPAT - 15K RV's, 30 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples

**Example A\*:**  
 Fewer than 19,999 registered voters  
 1 in-person absentee voting location  
 13 to 39 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
ImageCast X Prime VVPAT (21 inch) Kit	93	\$3,500	\$325,500
Audio Tactile Interface (ATI) Accessible Unit	33	\$385	\$12,705
ImageCast X Voting Booth	93	\$250	\$23,250
ImageCast Central Kit (Absentee Ballot Scanner)	1	\$25,000	\$25,000
Mobile Ballot Printing (MBP) Kit Oki Data C931E	1	\$11,150	\$11,150
Democracy Suite EMS Express Server Kit	1	\$5,000	\$5,000
Democracy Suite (EMS) Level 1 (0K - 15K)	1	\$40,000	\$40,000
EMS Report Printer	1	\$250	\$250
Mobile Ballot Printing Level 1 (0K - 15K)	1	\$2,000	\$2,000
Project Management and Implementation	3	\$2,000	\$6,000
Product Implementation and Support	5	\$2,000	\$10,000
System Acceptance Testing/Training	5	\$2,000	\$10,000
Democracy Suite Full System Training	3	\$2,000	\$6,000
On-site Logic and Accuracy Testing (oversight and supervision of staff)	3	\$2,000	\$6,000
Training Material Preparation	1	\$2,000	\$2,000
Training (poll worker, technician, user)	2	\$2,000	\$4,000
Election Set Up (Ballot Layout, Test Deck, Media)	1	\$3,500	\$3,500
3 Day Election On-Site Support	2	\$4,500	\$9,000
Support (on-site, off-site, pre-election, post election, recount)	5	\$2,000	\$10,000
Helpdesk	1	\$2,000	\$2,000
Dual Bay Battery Charger	2	\$165	\$330
Compact Flash Reader Writer	2	\$75	\$150
Democracy Suite Annual License (EMS) Level 1 (30K - 60K) (Years 2-4)	4	\$8,000	\$32,000
Mobile Ballot Printing Annual License Level 1 (0K - 15K)	4	\$400	\$1,600
ICX - Prime VVPAT (21 inch) Annual Firmware License	93 (x4)	\$95	\$35,340
ICX - Prime VVPAT (21 inch) Annual Hardware Warranty	93 (x4)	\$90	\$33,480
ImageCast Central Kit (Absentee Ballot Scanner) Annual License	4	\$2,575	\$10,300
ImageCast Central Kit (Absentee Ballot Scanner) Annual Warranty	1	\$1,500	\$6,000
Subtotal - "State-Funded" Items (Table A of Bid Price Page)		\$	\$583,265
Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$39,000
Total Cost for Example A			\$622,265

\*Not part of the evaluation, for reference only

**BID PRICE PAGE (continued)**

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) DRE – ICX Prime with VVPAT (50,000 RV's and 100 precincts)

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria as well as provide pricing in the tables below county examples.

**Example B\*:**  
 Between 20,000 and 99,999 registered voters  
 1 in-person absentee voting location  
 Between 24 and 104 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc. costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast X Prime VVPAT (21 inch) Kit</i>	314	\$3,500	\$1,099,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	110	\$385	\$42,350
<i>ImageCast X Voting Booth</i>	314	\$250	\$78,500
<i>ImageCast Central Kit (Absentee Ballot Scanner)</i>	1	\$25,000	\$25,000
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	1	\$11,150	\$11,150
<i>Democracy Suite EMS Express Server Kit</i>	1	\$5,000	\$5,000
<i>Democracy Suite (EMS) Level 3 (30K - 60K)</i>	1	\$60,000	\$60,000
<i>EMS Report Printer</i>	1	\$250	\$250
<i>Mobile Ballot Printing Level 3 (30K - 60K)</i>	1	\$3,000	\$3,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	5	\$2,000	\$10,000
<i>System Acceptance Testing/Training</i>	15	\$2,000	\$30,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	3	\$2,000	\$6,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	3	\$2,000	\$6,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post-election, recount)</i>	5	\$2,000	\$10,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Dual Bay Battery Charger</i>	4	\$165	\$660
<i>Compact Flash Reader Writer</i>	4	\$75	\$300
<i>Democracy Suite Annual License (EMS) Level 3 (30K - 60K) (Years 2-4)</i>	4	\$5,000	\$20,000
<i>Mobile Ballot Printing Annual License Level 3 (30K - 60K)</i>	4	\$600	\$2,400
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<i>ICX - Prime VVPAT (21 inch) Annual Firmware License</i>	314 (x4)	\$95	\$119,320
<i>ICX - Prime VVPAT (21 inch) Annual Hardware Warranty</i>	314 (x4)	\$90	\$113,040
Subtotal – "State-Funded" Items (Table A of Bid Price Page)		\$	\$1,645,770
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)		\$	\$49,000
Total Cost for Example B			\$1,694,770

\*Not part of the evaluation for reference only





**BID PRICE PAGE** (continued)

Vendor: Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) DRE ICX Prime with VVPAT – 100K RV's, 200 precincts

In the tables below, the bidder is to enter the itemized list for each county example (A-C) to purchase a voting machine solution based on the following criteria, as well as provide pricing in the tables below county examples:

**Example C\*:**  
 100,000 or more registered voters  
 1 in-person absentee voting location  
 Between 99 and 975 precincts

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

Item	Quantity	Unit Cost	Extended Cost
<i>ImageCast X Prime VVPAT (21 inch) Kit</i>	628	\$3,500	\$2,198,000
<i>Audio Tactile Interface (ATI) Accessible Unit</i>	220	\$385	\$84,700
<i>ImageCast X Voting Booth</i>	628	\$250	\$157,000
<i>ImageCast Central Kit (Absentee Ballot Scanner)</i>	2	\$25,000	\$50,000
<i>Mobile Ballot Printing (MBP) Kit Oki Data C931E</i>	2	\$11,150	\$22,300
<i>Democracy Suite EMS Express Server Kit</i>	1	\$17,000	\$17,000
<i>Democracy Suite (EMS) Level 4 (60K - 125K)</i>	1	\$100,000	\$100,000
<i>EMS Report Printer</i>	1	\$250	\$250
<i>Mobile Ballot Printing Level 4 (60K - 1250K)</i>	1	\$3,000	\$3,000
<i>Project Management and Implementation</i>	5	\$2,000	\$10,000
<i>Product Implementation and Support</i>	10	\$2,000	\$20,000
<i>System Acceptance Testing/Training</i>	32	\$2,000	\$64,000
<i>Democracy Suite Full System Training</i>	5	\$2,000	\$10,000
<i>On-site Logic and Accuracy Testing (oversight and supervision of staff)</i>	5	\$2,000	\$10,000
<i>Training Material Preparation</i>	1	\$2,000	\$2,000
<i>Training (poll worker, technician, user)</i>	5	\$2,000	\$10,000
<i>Election Set Up (Ballot Layout, Test Deck, Media)</i>	1	\$3,500	\$3,500
<i>3 Day Election On-Site Support</i>	2	\$4,500	\$9,000
<i>Support (on-site, off-site, pre-election, post-election, recount)</i>	10	\$2,000	\$20,000
<i>Helpdesk</i>	1	\$2,000	\$2,000
<i>Dual Bay Battery Charger</i>	8	\$165	\$1,329
<i>Compact Flash Reader Writer</i>	8	\$75	\$600
<i>Democracy Suite Annual License (EMS) Level 3 (30K - 60K) (Years 2-4)</i>	4	\$12,000	\$48,000
<i>ImageCast Central Annual License</i>	4	\$2,575	\$10,300
<i>ImageCast Central Annual Warranty</i>	4	\$1,500	\$6,000
<i>Mobile Ballot Printing Annual License Level 3 (30K - 60K)</i>	4	\$600	\$2,400
<i>ICX - Prime VVPAT (21 inch) Annual Firmware License</i>	628 (x4)	\$95	\$238,640
<i>ICX - Prime VVPAT (21 inch) Annual Hardware Warranty</i>	628 (x4)	\$90	\$226,080
<b>Subtotal - "State-Funded" Items (Table A of Bid Price Page)</b>		\$	\$3,263,090
<b>Subtotal - "Non-State-Funded" Items (Table B of Bid Price Page)</b>		\$	\$63,000
<b>Total Cost for Example C</b>			\$3,326,090

\*Not part of the evaluation, for reference only

**BID PRICE PAGE** (continued)

Vendor Dominion Voting Systems

Solution Description (Optical Scan, DRE, Hybrid, etc.) DRE - ICX with VVPAT

In the tables below, the bidder is to enter the items listed and unit cost.

The list is to include all required hardware, software, warranties (covering the life expectancy of the solution), training, etc., costs for the solution as defined in this ITB. Include the required years 6 through 10 warranty as a line item in the optional section. If the life expectancy of the solution is more than 10 years, include the required warranty as a line item in the optional section. The pricing provided on this page must be the same as the pricing on the complete pricelist provided as part of this ITB submission.

TABLE A State-Funded Items

Item	Unit Cost
High-Speed Scanner (for Central Count of Absentee Ballots)	\$25,000
Software for High-Speed Scanner	\$12,875
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware	\$2,575
Workstation for High-Speed Scanner (i.e. laptop/desktop, monitor, etc.)	\$ included
Memory Device or Drives for Use of High-Speed Scanner (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$ included
Security Devices (e.g., keys, locks, etc.) for High-Speed Scanner – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock)	\$25.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs])	\$3,500
Software for Precinct-Based Equipment (* Firmware – annual after year one per unit)	\$95.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware (unit p/u)	\$90.00
Voter Privacy Screens	\$15.00
Memory Device or Drives for Precinct-Based Voting Equipment (itemized by storage capacity) – device must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common flash drive)	\$17.00
Security Devices (e.g., keys, locks, etc.) for Precinct-Based Voting Equipment – lock must have 5 year (or greater) useful life and a specialized device for voting machines (e.g., not a common lock) (* variety of options available)	\$27 (per 100)
Starter Cartridge for Printer (if needed) for Precinct-Based Equipment for initial use (* ICE unit only)	\$ n/a
Batteries, Chargers, Power Strips, Cords, Cables, Routers (Necessary for the Configuration and Operation of Precinct Based Voting Equipment, High-Speed Scanner, ADA Accessible Voting Equipment, or Workstations) – only the amount necessary for initial set up and operation	\$ included
Accessible Ballot Marking Device - ADA	\$ n/a
Stand for Accessible Ballot Marking Device – ADA – if necessary part of voting machine	\$ 250
Printer - Accessible Ballot Marking Device - ADA	\$ n/a
Starter Cartridges for Accessible Ballot Marking Device Printer – ADA – for initial use	\$ n/a
Stand for Printer - Accessible Ballot Marking Device – ADA – if necessary part of voting machine	\$ n/a
Accessible Voting Booth - ADA – if necessary part of voting machine	\$ n/a
Accessibility Aids - ADA (e.g., jelly switches, headphones, microphone, keyboards, etc.) – if 5-year (or greater) useful life (* standard ATI, various options available)	\$240
Software for Accessible Ballot Marking Device – ADA (* firmware – annual license)	\$ included
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware	\$ included
Memory Devices or Drives for Use of Accessible Ballot Marking Device – ADA (itemized by storage capacity)	\$ n/a
Security Devices (e.g., keys, locks, etc.) for Accessible Ballot Marking Device – ADA	\$27 (per 100)
Election Management and Ballot Definition Software (* 9 levels based on voter registration)	\$40K – 700K
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters) (*base)	\$75





TABLE A: State-Funded Items (continued)

Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware (* 9 levels based on voter registration) (annual after year one)	\$8K – 140K
Server for Election Management and Tabulation Systems (for purposes of creating standalone network of workstations) (* base price based on	\$5,000 - \$17,000
Workstation/Server for Election Management and Ballot Definition Software (* if needed)	\$2,500
Tabulation Software (* included in EMS line above)	\$ included
Licensing and Support for Tabulation Software – Years 1-5 and billed with hardware (*included with EMS above)	\$ n/a
Workstation/Server for Tabulation Software (* included in EMS workstation line above)	\$ n/a
Ballot Printer (* Kit – includes laptop and all needed items. Printer alone is \$7,800)	\$11,560
Software for Ballot Printer (*9 levels based on voter registration)	\$2K – 30K)
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)	\$ n/a
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware (* annual 9 levels VR)	\$400 – 6,000)
Starter Cartridges for Ballot Printer – for initial use	\$ included
Warranty on Any and All Hardware – Years 1-5 and billed with hardware (* ICC and Ballot Printer after year one)	\$1,500 - \$5,000
Delivery, Shipping of Equipment to Board of Elections' Office or Facility	\$ actual cost
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$2,000 per day
Setup of Equipment at Board of Elections' Office	\$2,000 per day
Logic and Accuracy Testing Prior to First Election	\$2,000 per day
<b>TOTAL one (1) each of all State-Funded Items</b>	\$

**BID PRICE PAGE** (continued)

TABLE B Non-State-Funded Items

Transport Bags or Cases for Accessible Equipment - ADA	\$60
Licensing and Support for Software for High-Speed Scanner - Extended - Years 6-10 (annual)	\$2,575
Additional Toner, Ink, Cartridges for High-Speed Scanner	\$
Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10 (* Firmware annual)	\$95
Ballot Box or Bag for Precinct-Based Equipment	\$1,000
Transport Bag or Case for Precinct-Based Equipment	\$60
Additional Consumables for Initial Use of Precinct-Based Voting Equipment (e.g., paper ballots, rolls, or cards, etc.)	\$4.00 paper rolls, \$8 v-cards
Licensing and Support for Software for Accessible Ballot Marking Device - ADA - Extended - Years 6-10	\$ n/a
Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10 (9 level)	\$40k - \$700K
Licensing and Support for Tabulation Software - Extended - Years 6-10 (* annual firmware per device)	\$95
Licensing and Support for Software for Ballot Printer - Extended - Years 6-10	\$
Warranty on Any and All Hardware - Years 6-10 (* annual hardware warranty per unit)	\$90
Maintenance on Any and All Hardware unless specified in above table - Years 1-5	\$1,500 - \$5,000
Maintenance on Any and All Hardware - Years 6-10	\$
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) unless specified in above table - Years 1-5 (* Included with MSA)	\$ 2,000 per day
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) - Years 6-10 (* included with MSA)	\$2,000 per day
Phone Support (i.e., a board of elections may contact a designated individual or Helpdesk for assistance with troubleshooting issues) (*one time charge)	\$2,000
Online Support (i.e., a board of elections may submit issues via an online portal hosted by the voting system's vendor) (* included with annual EMS software license fee)	\$
On-Site Repairs to Hardware (as opposed to having to ship equipment off-site)	\$2,000 per day
Software Upgrades (* included with annual EMS software license fee)	\$ included
Pre-Election Support (e.g., setup of election management software; pre-election programming and setup of ballots; configuration of reports, etc.)	\$2,000 per day
Creation of Test Desk (for pre-election testing)	\$
Cost of Printing Test Deck (per sheet using ballot printer system) (*included)	\$ n/a
Cost of Printing Test Deck (per sheet using print vendor)	\$
Setup, Configuration, and Printing Fees for Ballot Stub Barcode	\$
Pre-Election Setup for Ballot Printer System	\$
Ballot Processing Fees (per sheet or per ballot style) for Ballot Printer System	\$
Assistance with Deployment of Equipment to Polling Locations	\$2,000 per day
Training of Board of Elections' Staff	\$2,000 per day
Training Materials for Precinct Election Officials (* one time fee, included with annual EMS software license fee)	\$2,000
Training of Precinct Election Officials	\$2,000 per day
Training Videos for Precinct Election Officials	\$ actual cost
Demonstration Videos for Voters	\$ actual cost
Project Management (i.e., project plan and work schedule for deployment; issue identification and resolution; performance measurement against project plan; risk management strategy; quality management plan; resource allocation plan; configuration management plan; and issue management)	\$2,000 per day
Election Day Support (e.g., phone support, dispatch and onsite incident resolution, etc.) (* on-site 3 day min)	\$4,500
Election Night Support (e.g., on-site or remote assistance with tabulation and results reporting, etc.)	\$included
Post-Election Support (e.g., on-site or remote assistance with official canvass of election, etc.)	\$2,000 per day



## Attachment D – Requirements Matrix

On the following pages is Dominion’s completed Attachment D, “Requirements Matrix for the State of Ohio.” Dominion is happy to discuss details further upon request.



## OHIO VOTING SYSTEM REQUIREMENTS MATRIX

**FOR USE BY THE BOARD OF VOTING MACHINE EXAMINERS' EXAMINATION OF VOTING SYSTEMS SUBMITTED FOR APPROVAL AND CERTIFICATION IN OHIO ELECTIONS**

**All steps required by OAC 111:3-2-06 using Primary and/or General Election ballots per Secretary of State Directives 2011-45 and 2012-34.**

EXAMINER'S NAME:	DATE:			SYSTEM BEING EVALUATED:	
	SIGNATURE: _____				
CRITERIA	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT/VSTL TEST MATERIALS	QUESTIONS / COMMENTS	
<b>System Overview:</b>					
Display and discuss all manuals, including precinct election official instructional manuals.	YES		YES	Dominion can produce and customize manuals, including election official instruction manuals as required by the State of Ohio. Sample materials are included in Appendix B --Attachments..	
Equipment has received a federal certification number issued by the U.S. Elections Assistance Commission (R.C. 3506.10(H)(4)(a)).	YES		YES	Dominion's Democracy Suite has received a federal certification number issued by the U.S. Elections Assistance Commission. EAC Certification Number: DVS-DemSuite 5.5	
Equipment has been certified by an independent testing authority as meeting or exceeding the minimum requirements of the federal election commission voting system standards (OAC 111:3-3-01(C)(15)).	YES		YES	Dominion's equipment has been certified by an independent testing authority as meeting or exceeding the minimum requirements of the federal election commission voting system standards.	

<p><b>Hardware Configurations and Opening Procedures</b></p>	<p>Demonstrate opening of polls including the printing of a "Zero Tape."</p>	<p>YES</p>	<p>YES</p>	<p><b>The ImageCast X (ICX) Ballot Marking Device (BMD)</b> does not produce a zero tape as it does not store any information on the device.</p> <p><b>The ImageCast X (ICX) DRE</b> has the ability to use either a thermal printer or a VVPAT for the printing and paper record of zero tapes at the time the polls open.</p> <p><b>The ImageCast Evolution and the ImageCast Precinct</b> produce a report that shows that there are no ballots or vote results yet cast in the election once polls are open. The zero tape lists the name and details of the election, the date and time that the report was generated (i.e. the date and time of the opening of the polls), the tabulator name and ID, voting location name and ID, and all the contests, candidates, and their vote totals.</p> <p><b>The ImageCast Central</b> can produce a report that shows that there are no ballots or vote results yet cast in the election, that includes the name and details of the election, the date and time the report was generated, all candidates and the number of votes they each received by precinct.</p>
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<p>Demonstrate means of locking out access to set up procedures to anyone but authorized personnel.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion utilizes authentication and authorization protocols that meet EAC VVSG 2005 standards. In addition, Dominion's solution relies on industry-standard security features to ensure that the correct users based on a user role or group are granted by the correct privileges. Finally, each jurisdiction is responsible for ensuring that only authorized personnel have access to both the system and tools used for installation and configuration purposes. All back-end system and tabulator operations are continuously and completely logged at all times to maintain a complete record of all election-related processes. This includes access to set up procedures which can only be accessed by authorized personnel.</p>
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CRITERIA	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT	QUESTIONS / COMMENTS
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Election Management – System Setup and Configuration – General Election				
<p>Demonstrate actual ballot set up, using the following races and questions and issues:</p> <ul style="list-style-type: none"> <li>• The 2012 Presidential Election ballot, including all write-ins;</li> <li>• The 2008 15<sup>th</sup> Congressional district race;</li> <li>• A city council race where a voter can vote for two of five or seven candidates;</li> <li>• A bond issue per R.C. 133.18; and</li> <li>• An emergency requirements levy issue with statutory font size and bold typeface per R.C. 5705.197.</li> </ul>	YES		YES	<p>Dominion would happily work with the State of Ohio and participating counties to design and layout a ballot as part of this ITB process. In order to provide sample ballots under the specified requirements listed by the State of Ohio, we respectfully request to receive an export from your Voter Registration system, which we can readily import into our Election Event Designer and provide the proof of concepts accordingly.</p> <p>Dominion has experience laying out ballots at the request of the State of Ohio (in 2008 with our GEMS EMS system still in use and in 2012 with our Democracy Suite EMS and GEMS system).</p> <p>Dominion has included sample ballots in both portrait and landscape orientation in Appendix #3 "Sample Ballots" of this ITB. In order to provide sample ballots specific to the requirements provided by the State of Ohio, we respectfully request to receive an export from your Voter Registration system, which we can readily import that into our Election Event Designer and provide proof of concepts accordingly.</p>

<p>General election ballot shall include independent candidates and candidates from six political parties: Democratic, Republican, Libertarian, Green, Socialist, and Constitution parties (R.C. 3506.10(K), OAC 111:3-3-01(C)(11)).</p>	<p>YES</p>		<p>YES</p>	<p>Democracy Suite and the Election Event Designer module can support creating a general ballot that includes independent candidates and candidates from the six stated political parties for the State of Ohio.</p>
<p>Ability to vote for candidates of one party for president, vice-president, and presidential electors by one mark (R.C. 3506.10(F), R.C. 3506.06(D), OAC 111:3-3-01(C)(6)).</p>	<p>YES</p>		<p>YES</p>	<p>The Democracy Suite Election Management System has the ability to vote for candidates of a single party for president, vice-president, and presidential electors by using a single mark.</p>
<p>Rotation:</p> <ul style="list-style-type: none"> <li>Ability to arrange all candidates for an office in a group under the title of the office and printed so that they may be rotated as provided in R.C. 3505.03 and SOS Directives 2012-34.</li> <li>Ability to produce a report verifying rotation and correct ballot layout.</li> </ul>	<p>YES</p>		<p>YES</p>	<p>The Democracy Suite has the ability to arrange all candidates for an office in a group under the title the office and printed so that they can be rotated as directed by Ohio and the Secretary of State's office.</p> <p>Democracy Suite can produce various types of reports, including the verification of rotations and correct ballot layouts as required by the State of Ohio and participating counties.</p>





<p>Machine Setup:</p> <ul style="list-style-type: none"> <li>• Demonstrate programming over vote, blank vote, and undervote detection</li> <li>• Demonstrate programming of multiple precincts per single unit.</li> </ul>	<p>YES</p>	<p>YES</p>	<p>Machine setup is an integral part of setting up an election and ensuring a transparent and scalable election. Democracy Suite's Election Event Designer module allows election officials to set parameters for machines to recognize overvotes, blank votes, and undervotes. Multiple precincts can be set up from a single unit.</p> <p>Dominion is happy to demonstrate to the State our capabilities in identifying and detecting over votes, blank votes, and undervotes in the machine setup and programming phase. Dominion is also happy to demonstrate how our system can program multiple precincts per single page.</p>
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CRITERIA	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT	QUESTIONS / COMMENTS
Ability to generate merger and charter commission issues on the questions and issue ballot with candidate names listed.	YES		YES	Dominion's Democracy Suite Election Event Designer module allows the user to generate merger and charter questions and issues on the ballot with the candidate's name listed.
Capable of adhering to ballot layout as prescribed by R.C. 3505.03 and 3513.15 and SOS Directives 2012-34, including format, boldface, and font sizes.	YES		YES	Dominion's Democracy Suite has the capability to adhere to ballot layout rules as prescribed by the Secretary of State directives which include flexibility in formatting, bolding, and creating font sizes.
Capacity to contain at least 15 questions and issues (R.C. 3506.10(K)).	YES		YES	Dominion's Democracy Suite and the accompanying modules can contain at least 15 questions and issues, and much more depending on the needs of a jurisdiction.
<b>Election Management - System Setup and Configuration - Primary Election</b>				
Ability to create and read a primary election ballot with six (6) political parties and issues only ballots (R.C. 3506.10(G), OAC 111:3-3-01(C)(7)).	YES		YES	The Election Management System and Election Event Designer has the ability to create and configure a primary election ballot with six political parties and issues only ballots. The system can easily support flexible and complex elections, including the design and handling of "hybrid" primary ballots.

<p>Ability to create and read a primary election ballot in which a 17 year old may vote for candidates only and not on any question or issue.</p>	<p>YES</p>		<p>YES</p>	<p>Democracy Suite's Election Event Designer can easily create and read a primary ballot where a 17 year old can only vote for candidates, but not vote for any questions or ballot issues.</p> <p>Democracy Suite has the ability to import all data elements needed to create the specific ballot using the Election Event Designer application of Democracy Suite, where ballots for all voting channels are created out of a single database. Integrating with Ohio voter registration systems allows Dominion to create and read a ballot that is specific to a 17 year old Ohio voter, that only allows them to vote for candidates and not any ballot measures.</p>
<p>Ability to create and read a primary election ballot in which voter does not declare party but votes a question and issues ballot only (R.C.3506.10(G), (H); OAC 111:3-3-01(C)(8).</p>	<p>YES</p>		<p>YES</p>	<p>Democracy Suite's Election Event Designer can create and read a primary ballot where a voter does not declare a party, but only votes on questions and ballot issues.</p> <p>The Election Event Designer (EED) module of Democracy Suite EMS has all the tools needed to build the election project, complete in-house ballot set-up, and program the voting machines. The system will be able to import the County's jurisdictional data, such as ballot styles, precincts, offices and candidates from the State's existing systems, specifically, from the State's voter registration system. This interaction with the voter registration system allows a primary election ballot where a voter does not have to declare a party but votes on questions and issues only.</p>

<p>Ability to create and read nonpartisan candidates only ballot (R.C. 3506.10(G)).</p>	<p>YES</p>		<p>YES</p>	<p>Democracy Suite's Election Event Designer can create and read nonpartisan candidates only ballot.</p> <p>The Election Event Designer (EED) module of Democracy Suite EMS has all the tools needed to build the election project, complete in-house ballot set-up, and program the voting machines. The system will be able to import the County's jurisdictional data, such as ballot styles, precincts, offices and candidates from the State's existing systems, specifically, from the State's voter registration system. This allows the State to create any type and style of ballot that they desire, including a completely nonpartisan one based on data from Ohio's voter registration system.</p>
<p>Capable of primary election ballot with write-in for each partisan ballot (R.C. 3506.10(D), OAC 111:3-3-01(C)(4)).</p>	<p>YES</p>		<p>YES</p>	<p>Democracy Suite's Election Event Designer is capable of reading and creating a primary election ballot where write-ins are utilized for each partisan ballot.</p>
<p>Ballots accommodate facsimile signatures (R.C.3505.08).</p>	<p>YES</p>		<p>YES</p>	<p>Ballots can be created and designed to accommodate facsimile signatures. As long as the electronic signature is provided before ballot styling the Election Event Designer, the ballot can accommodate the facsimile signature.</p>

<p>Tabulating software must be adequately protected against tampering.</p>	<p>YES</p>	<p>YES</p>	<p>Dominion implements security protocols that meet or exceed EAC VVSG 2005 requirements. All of Dominion's security protocols are designed and implemented to stay current with rapidly evolving EAC security requirements set forth by various iterations of the VVSG. Dominion's security technology is unprecedented insofar as it takes into account every aspect and every component of the Democracy Suite platform. This includes – but is not limited to – the full encryption of election projects, iButton security keys, Compact flash cards, election data, software applications, elections results files, and data transmission.</p>
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CRITERIA	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT	QUESTIONS / COMMENTS
<b>Construction and Security of Voting Machine – Hardware Construction, Hardware Test Results, and Security Measures</b>				
Counter or other device visible from the outside, which will show, at any time, the number of electors who have voted (R.C. 3506.10(I), OAC 111:3-3-01(C)(9))	YES		YES	The ImageCast X in both the BMD and DRE configurations have lifetime counters visible from the outside, which can be viewed by poll workers.
Protective counter, or other device, the register of which cannot be reset, which will record the cumulative total number of movements of the internal counters (R.C. 3506.10(I), OAC 111:3-3-01(C)(9))	YES		YES	The ImageCast Central scanners have public counters for the number of ballot pages that have been scanned.  All counters on any ImageCast devices cannot be reset. Counters on ImageCast devices record the cumulative total number of movements of the internal counters.

<p>Built with locks, seals, and other safeguards by the use of which, immediately after the polls are closed or the operation of the machine is completed, no further changes to internal counters can be allowed (R.C. 3506.10(J), OAC 111:3-3-01(C)(10)).</p>	<p>YES</p>		<p>YES</p>	<p>All ImageCast tabulators and equipment utilize locks, seals, safeguards, and software protections to both prevent any external intrusion attempts as well as confirming, verifying and protecting the data in real time when being used. No changes to the internal counters are allowed after the closing of polls or the operation of a machine is completed.</p>
<p>Durably constructed of material of good quality in a neat and workerlike manner and in a form that shall make it safely transportable (R.C. 3506.10(L), R.C. 3506.06(E), OAC 111:3-3-01(C)(12)).</p>	<p>YES</p>		<p>YES</p>	<p>All of Dominion's ImageCast equipment is durably constructed of good quality, durable material that makes it safely and easily transportable.</p> <p>Dominion offers guidance and information necessary for transportation and storage bags and other optional items. Dominion has learned from extensive experience in the field deploying election equipment to jurisdictions across the United States. Dominion understands that the logistical demands of elections technology deployments can create additional pressures for election officials. With this in mind, Dominion designed voting system components that are durable, easily transportable, and robust. ImageCast tabulators have been designed to withstand transport conditions like bumpy roads, extreme cold, heat and humidity and dust, without incurring any damage.</p>

<p>Constructed so that a voter may readily learn the method of operating it (R.C. 3506.10(M), R.C. 3506.06(F), OAC 111:3-3-01(C)(13)).</p>	<p>YES</p>		<p>YES</p>	<p>ImageCast tabulators and the accessible voting components were designed to be "plug and play," making it very straight forward and quick to set up. When the poll worker arrives to set up, they will unlock the ballot box cover, remove and record security seal numbers, and plug the ballot box with integrated power cord into the wall plug. The poll worker will apply their iButton security key and enter their credentials to open the polls and print the zero tape, and the ImageCast tabulators are ready to commence standard voting and accepting ballots. All other components are already attached, keeping polling location issues to a minimum. This setup process takes only a few minutes.</p>
<p>Constructed so that a voter may expeditiously cast a vote for all candidates of the voter's choice (R.C. 3506.10(M), R.C. 3506.06(F)).</p>	<p>YES</p>		<p>YES</p>	<p>All ImageCast machines have been designed and constructed so that a voter can expeditiously and intuitively cast a vote for their chosen candidate.</p>
<p>Constructed to preclude any person from tampering with any of the internal counters (R.C. 3506.10(N); OAC 111:3-3-01(C)(14)).</p>	<p>YES</p>		<p>YES</p>	<p>Internal counters on all ImageCast tabulations devices cannot be accessed or tampered with by voters or any person without authorized access to the tabulation machines.</p>
<p>Capable of being manufactured for use and distribution beyond a prototype (R.C. 3506.07).</p>	<p>YES</p>		<p>YES</p>	<p>All ImageCast tabulation equipment has been manufactured and produced for use and distribution. All ImageCast tabulators are beyond the prototype stage.</p>



<p>Ability to track and assign access to system by board of elections staff with access to marked or unmarked ballots, tabulating software, and voting equipment.</p>	<p>YES</p>		<p>YES</p>	<p>Democracy Suite integrates a role-based access control system for all software and hardware components. Each user accessing the system is the member of one of the predefined or custom-made roles. Each role has its own set of permissions or actions that users of that role are allowed to perform. This access control approach provides authentication and authorization services and can be granular according to the jurisdiction's needs and organization.</p> <p>Dominion utilizes authentication and authorization protocols that meet EAC VVSG 2005 standards and are compliant with current NIST 140-2 standards. In addition, Dominion's solution relies on industry-standard security features to ensure that the correct users based on a user role or groups are granted the correct privileges. Finally, each jurisdiction is responsible for ensuring that only authorized personnel have access to both the system and tools used for installation and configuration purposes. This allows individual jurisdictions to both track and assign access to the system, allow individuals access to the system, including access to unmarked ballots, tabulating software, and voting equipment. All back-end system and tabulator operations are continuously and completely logged at all times to maintain a complete record of all election-related processes.</p> <p>From the start of the EED and RTR applications, every activity performed within the EMS system is recorded into the EMS Database, including who did what and when. This audit log will also record who did what within the election system as well as when.</p>
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<p>Shall not provide voter any type of receipt or voter confirmation that the voter may retain after leaving polling place (R.C. 3506.10(O), R.C. 3506.06(G)).</p>	<p>YES</p>		<p>YES</p>	<p>The Democracy Suite system and its components have been designed and configured so as not to provide any type of receipt or voter confirmation that the voter will retain after leaving the polling place. Details on the voting process on ImageCast machines is provided as an appendix to this ITB response.</p>
<p>Demonstrate secure portability to polling places.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion offers the guidance and information necessary for transportation and storage bags and other optional items. Dominion has learned from field experience deploying election equipment that counties want the flexibility to buy directly from other suppliers and we will support the State of Ohio and participating jurisdictions in finding the best solution to meet their needs.</p> <p>Moreover, as an option, Dominion has listed transportation bags available for purchase through Dominion. This transport bag will cover units against dust, moisture and provide vibration protection.</p> <p>Dominion understands that the logistical demands of elections technology deployments can create additional pressures for election officials. With this in mind, Dominion designed voting system components that are easily transportable and robust.</p>

Discuss sensitivity to variations in operating conditions, in general, and provide a reference in testing materials to the following:

- Sensitivity of equipment to temperature;
- Sensitivity of equipment to humidity;
- Sensitivity of equipment to dust; and
- Sensitivity of equipment to transportation.

YES

YES

Dominion's Democracy Suite and applicable components have been tested to the requirements of VVSG 1.0 by an EAC accredited Voting System Test Laboratory (VSTL). The details regarding the drop testing criteria can be found in the VVSG 1.0 Bench Handling requirements (VVSG 1.0, VOL. 1, Section 4.1.2.14(b), VOL. 2, Section 4.6.2. The hardware testing also includes Vibration Testing, High/Low Storage Temperature Testing and Humidity Testing. These testing requirements are based on Military Test Standards (IL-STD-810D).

**ImageCast X Humidity Rating**

From 0% ~ 90% RH non-condensing

**ImageCast Evolution Humidity Rating**

From 20% ~ 80% RH non-condensing

**ImageCast Precinct Humidity Rating**

From 0% ~ 85% RH non-condensing

Concerning durability, the VVSG 1.0 has a requirement which ensures systems are designed to withstand normal use with no deterioration and without excessive maintenance cost for a period of ten years. Dominion Voting also adheres to our own policy of warranting products and parts for a minimum of ten years.



<b>Voting and Tabulation Functional Testing</b>					
Demonstrate means by which a voter can change or cancel vote.	YES			YES	All ImageCast voting devices provide the means and ability for a voter to review, change or cancel a vote in a simple and intuitive fashion. Dominion has provided user manuals as an appendix to this ITB that provide details on how a voter can change or cancel a vote. Dominion is happy to demonstrate this capability to the State of Ohio and participating jurisdictions upon request.

Demonstrate write-in capacity (R.C. 3506.10(B), R.C. 3506.10(D), R.C. 3506.06(B) & (C), OAC 111:3-3-01(C)(4)).

YES

YES

Dominion's Democracy Suite and the accompanying ImageCast tabulator machines provide the means and ability for a voter to cast a write-in vote for applicable offices/contests.

As part of the outstack conditions configuration, the system can be configured to only flag contests that contain qualified write-ins. This way contests with write-in votes that do not contain any qualified write-ins will be ignored and resolved automatically as unqualified write-ins or undervotes.

The system has multiple options for handling write-in resolution. Upon election setup, an election administrator may decide to adjudicate write-in contests for only contests with qualified write-ins or all write-in contests. This allows for the resolution of write-ins for which there are qualified write-in candidates as well as situations where voters may have filled in the write-in area with a named candidate. The system allows for digital resolution of both of these scenarios, as well as the rejection of a write-in when the name indicated is not a qualified write-in.

For write-in contests, a pop-up dialog is shown that allows the user to resolve the write-in to a qualified write-in name, reject the write-in vote as invalid with a listed rejection reason, or accept a write-in as is. If the write-ins are resolved to a qualified write-in name, the overlay will appear green with a check mark icon.

Note that the qualified write-ins that appear in this pop-up are obtained from the election definition information in EMS, which means that they must be defined in Election Event Designer (EED). Qualified write-in names may only be used once per contest. For example, in a vote for two contests, a single qualified write-in name may only be assigned to a choice, it is no longer available for subsequent name resolution within that ballot.

Dominion is happy to demonstrate our system's write-in capabilities to the State of Ohio and participating jurisdictions upon request.



- Demonstrate response to the following:
- Overvotes, undervotes, and blank ballots;
  - Ballots being inserted headfirst, tail-first, face-up, or face-down;
  - Multi-sheet detection; and
  - Safeguards against inserting memory cards incorrectly.

YES

YES

Dominion's Democracy Suite and the accompanying ImageCast tabulators have the capability to detect overvotes, undervotes, and blank ballots.

The ImageCast Adjudication module is able to record overvotes, undervotes, and unresolved write-ins. When a contest in a ballot is overvoted, the overvote counter for that contest is incremented by the amount of vote for. E.G. in a vote for two contests, if the voter marks three or more candidates, the overvote counter will be incremented by two.

Undervotes behave the same way as overvotes.

Unresolved write-ins can be accumulated in an unresolved write-in category or can be reported as undervotes.

Overvotes, undervotes, unresolved write-ins and blank ballots can be added or removed from the summary and the Statement of Votes Cast reports.

Ballots can be scanned in any of the possible four orientations, without compromising speed, reliability or accuracy.

There are multiple USB ports for memory cards behind tamper-proof sealed doors that serve as connections to printers, card readers, and results cartridges. The Operating System and hardware are custom designed for voting system operation and are currently configured specifically for voting purposes only, as opposed to general computer operation. In other words, the ports are currently enabled from a hardware approach to serve only specific and essential voting purposes. Disabling any port would affect essential functionality. Should there be a need to disable any port in hardware, this can be performed.

Dominion Voting is happy to provide a demonstration to the State of Ohio and participating jurisdictions regarding the detection of overvotes, undervotes, write-ins and blank ballots, scanning of ballots in any orientation, the detection of ballots with multiple sheets, and the established safeguards against inserting memory cards into the system incorrectly.

Demonstrate accessibility to voters with disabilities.

YES

YES

Dominion's Democracy Suite and the accompanying ImageCast tabulators have been designed to meet the needs of the accessible voting community.

Below Dominion has provided a brief overview of the accessibility capabilities of the ImageCast Evolution, and the ImageCast X (both BMD and DRE configurations). Additional details can be found in the System Description section of this ITB, as well as in the appendix to this ITB response.

**ImageCast Evolution Accessibility**

The ImageCast Evolution is equipped with an integrated ballot-marking device for voters needing additional assistance. It is the only optical scan tabulator using a single ballot path which does not require the voter to have to go to an additional unit to cast the vote.

Accessible voting sessions can be presented on the main 19" LCD display or on an optional secondary display which can be tethered to the unit. The secondary display allows for simultaneous regular and accessible voting sessions – while an accessible voting session is in progress on the second display, other voters can continue to scan and cast their ballots on the ImageCast Evolution.

The lightweight secondary display connects to the ImageCast Evolution using a single cable, making setup simple and fast. The display's slim, compact design requires no assembly, and it is easy to handle, store and set up.

In addition, the ImageCast Evolution features several accessible voting interfaces that allow voters with various disabilities to effectively vote, review and cast a paper ballot in a private and independent manner. The ImageCast Evolution offers the following user interfaces.

- 19" LCD, full-color screen for visual ballot review and ballot casting.
- Accessible ballot marking interface (both audio and visual).



- Assistive input devices for accessible ballot navigation and voting, including an ATI (Audio Tactile Interface), sip and puff, and paddles.

The accessible voting machine uses a hand-held controller called an ATI (Audio Tactile Interface) that connects to the ImageCast Evolution via the port located on the right side of the unit. A set of headphones connects directly to the ATI controller. Following the audio voting process using the ATI controller, the integrated inkjet printer produces a marked paper ballot which serves as the official ballot record. Voters are able to review, verify and correct their selections prior to casting their ballot by audio and/or visual means.

The display can be adjusted using the zoom and contrast buttons. The contrast button allows the voter to display the screen image in high contrast (high contrast is a figure-to-ground ambient contrast ratio for text and informational graphics of at least 6:1). There are three different zoom levels in order to provide an enlarged ballot for voters with visual impairments.

Every voter configurable option is automatically reset to its default value with the initiation of each new voting session.

Dominion uses a library of human hand marks and writing to mark a ballot via the accessible voting session, which makes machine-marked ballots indistinguishable from hand-marked ballots, truly protecting the privacy of disabled voters.



### ImageCast X Accessibility

Designed as a voting solution for all, the ImageCast X also offers several options for voters with accessibility needs to vote in a private and independent manner. The ImageCast X offers the following user interfaces:

- **Visual mode:** Voter navigates their ballot using one of the available accessibility tools and the visual display.
- **Audio mode:** Visual display can be disabled and the voter uses headphones to navigate an audio ballot using one of the available accessibility tools.
- **Visual and Audio mode:** Voter navigates their ballot using one of the available accessibility tools, the visual display, and the audio ballot.

In addition to the touchscreen functionality, the ImageCast X is compatible with a range of accessibility devices that voters can use to navigate through the ballot and mark their selections. The system is compatible with Dominion's hand-held controller called the Audio Tactile Interface (ATI), sip and puff device, or a 2-switch paddle device.

The ImageCast X can present the ballot in audio only, visual only or both audio and visual modes, depending on personal preference. Voters can adjust the rate and volume of their audio ballot, as well as the text size and contrast of the display, or disable the display entirely for added privacy. Every voter configurable option is automatically reset to its default value with the initiation of each new voting session.

Voters are able to review, verify and correct their selections prior to printing their ballot, by audio and/or visual means. Voters are warned if they have skipped, or undervoted a contest, and have the opportunity to go back and correct their selections.

In the BMD configuration, once the voter has completed their audio review and confirmed their ballot, the ImageCast X will print a paper ballot with the voter's selections. The voter can then deposit their ballot in the ballot box for tabulation on the ImageCast Central at the elections office, or they can scan their ballot on the ImageCast Precinct for tabulation directly in the precinct. No voter selections are stored on the ImageCast X BMD.

In the DRE configuration, once the voter has completed their audio review and confirmed their ballot, the ImageCast X will print a paper record on the connected VVPAT printer. The VVPAT has an internal scanner that will scan the 2D barcode on the VVPAT paper record and provide an audio review of what is on the VVPAT record to the voter. Dominion Voting is the only vendor that can provide audio playback review of the VVPAT record for an accessible voting session.

The ImageCast X features the latest technological advances in accessible voting technology, providing more options for voters with accessibility needs to vote privately and independently.

Dominion is happy to demonstrate our systems' accessibility capabilities to the State of Ohio and participating jurisdictions upon request.

Demonstrate ability of machine to function during a power failure and the ability of the machine to successfully recover from a power failure (system continues to operate when unplugged).

YES

YES

The proposed Democracy Suite system allows for continued voting even if the polling place loses electrical power. Dominion's system meets VVSG requirements for electrical power.

The ImageCast Precinct and Evolution have an internal Lithium Ion rechargeable battery, which provides two (2) hours of use (scanning) during a power failure, and an additional 30 minutes of standby time. The battery life for an ImageCast Precinct and Evolution at rest is at least 3.5 hours.

The ImageCast X touchscreen units has a backup battery pack which provides a minimum of 2 hours of operation of the system. The accompanying printer requires a backup power source, such as a UPS if there is a power outage. This backup UPS for the printer is listed as an optional item only, as the ICP itself can accommodate the scanning of paper ballots at the polling location in cases of power outages, until such time additional units, additional ballots, and/or additional power supply can be made available.

In the event of a power failure, ImageCast tabulator units have an internal Lithium Ion rechargeable battery with a two-hour life.

In the case of a power failure, including full power drain, restarting places the unit in "Interrupt" mode, in which the previously stored election data is reloaded when the unit

resumes operation. If there is a catastrophic electrical or mechanical damage, the memory cards are inserted into a spare unit. When powered on, the unit resumes operation using the previously stored election data.

Dominion is happy to demonstrate the ImageCast hardware capabilities functioning in an environment experiencing a power failure, including a full power drain.

<p>Demonstrate counting the ballots, based on an actual series of votes cast during a mock election:</p> <ul style="list-style-type: none"> <li>• 50 general election ballots as prescribed above</li> <li>• 100 primary election ballots (may be programmed, printed, and voted before the meeting)</li> <li>• Field test report (for logic and accuracy testing)</li> </ul>	<p>YES</p>		<p>YES</p>	<p>Dominion advocates the use of pre-election system readiness test. Prior to the beginning of voting, following the distribution of election systems to the precincts, customers have the option to run a small mock-election. This test familiarizes poll staff in election night procedures and provides additional assurance that all elements of the system are functioning properly after transport.</p> <p>Dominion agrees to demonstrate the counting of ballots using a series of votes cast during a mock election, under the parameters as set for the by the State of Ohio for the purposes of this ITB.</p>
<p>In case of one or more jammed ballots or a misfeed of ballots, demonstrate ability and methods designated in user manual to determine whether or not votes from such ballots were counted.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion is happy to demonstrate to the State of Ohio and participating jurisdictions the methods outlined in provided user manuals to rectify jammed ballots or the misfeed of ballots, showing whether or not those ballots and votes therein have been accurately counted.</p> <p>ImageCast tabulators feature simple paper paths, thus limiting the number of paper jams. In the event a paper jam does occur, the ImageCast tabulator software will pause and alert the user that a jam has been detected. The tabulator scanners offer easy access to remove any jams, and once the jam is removed, scanning can continue.</p>



<p>Ability to advise a voter of an overvote (R.C. 3506.10(C), OAC 111:3-3-01(C)(3)).</p>	<p>YES</p>		<p>YES</p>	<p>The proposed Democracy Suite system meets this requirement of the State of Ohio. The ImageCast X and Evolution do not allow voters to select more than the maximum number of choices allowed when voting on the touchscreen units. Additionally, the ImageCast Precinct can be programmed to emit a visual and audio warning if a paper ballot is overvoted at the time of feeing the ballot. For absentee ballots, the system can be programmed to not count a vote if the contest is overvoted.</p> <p>Dominion agrees to demonstrate to the State of Ohio and participating jurisdictions the capability of our system to alert voters of a possible overvote situation.</p>
<p>Permits elector to change vote until elector registers his/her vote for up to three ballots (R.C. 3506.10(E), OAC 111:3-3-01(C)(5)).</p>	<p>YES</p>		<p>YES</p>	<p>The Democracy Suite system and ImageCast tabulators permit an elector to change their vote for up to three ballots as required by the State of Ohio.</p>

<p>Ability to limit possibility of double counting by notifying user that memory card has already been read.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's Democracy Suite and all ImageCast tabulators have been designed to limit the possibility of double counting by notifying a user or election official that a memory card has already been read and identified.</p> <p>Dominion is happy to demonstrate this capability and how the system identifies a double count to the State of Ohio and participating jurisdictions.</p>
<p>Permits voting in secrecy (R.C. 3506.10(A), R.C. 3506.06(A), OAC 111:3-3-01(C)(1)).</p>	<p>YES</p>		<p>YES</p>	<p>The proposed Democracy Suite system meets the Ohio requirements regarding a voter being able to cast a ballot in absolute secrecy. The in-person voting terminals, as well as the central count system, ensure that ballot choices cannot be linked to a particular individual voter and preserves the secrecy of the vote.</p> <p>Dominion is happy to demonstrate to the State of Ohio and participating jurisdictions how Dominion's system and ImageCast tabulators allow all voters to cast their ballot in complete secrecy.</p>



CRITERIA	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT	QUESTIONS / COMMENTS
<p>Provided with screen, hood, curtain, or other technology, which shall conceal voter while voting (R.C. 3506.10(N), OAC 111:3-3-01(C)(14)).</p>	<p>YES</p>		<p>YES</p>	<p>Agreed. The ImageCast X units are generally presented in a voting booth that provides secrecy for the voter. We can offer several voting booth options upon request. Additionally, the ImageCast Evolution features a built in hood that promotes the privacy of the voter.</p> <p>Dominion is happy to demonstrate to the State of Ohio and participating jurisdictions our solutions to provide voters with the highest level of confidence that their vote is logged in complete secrecy and privacy.</p>



Discuss and demonstrate backup memory features and physical audit trail, if any.

YES

YES

Dominion understands that for a voting system to be trusted, it must be subject to confidence-building audit procedures. The proposed Democracy Suite has undergone and completed both EAC and State of Ohio certification, required for a voting system to be in operation in the State of Ohio. The company has submitted itself to numerous external audits to verify the security and accuracy of the system – all such audits were completed to the satisfaction of the auditors. These audit reports are available upon request.

Dominion will be pleased to work with Ohio to determine the breadth, scope and appropriate processes, procedures and standards to be used for auditing the Democracy Suite voting system. With respect to risk-limiting audits – a specific type of audit relevant to voting tabulation systems – Dominion has tools already in place to facilitate this type of auditing technique.

Our Democracy Suite Results Tally and Reporting module includes a full export of all Cast Vote Records (CVR) from the system. This export is available in CSV and JSON formats to support any risk-limiting audits or post-election analysis on individual vote records. The CVR export includes references to the ballot image data from all tabulator channels as well as providing a full, robust audit solution on a ballot-by-ballot basis.



At the heart of Dominion's Democracy Suite system, we emphasize transparency. Every single ballot in the election is imaged and appended with Dominion's patented AuditMark, a record of how the system interpreted the voter's selections. This ballot-level audit trail allows election officials and other stakeholders to review not only the ballot images, but also the tabulator's interpretation of each ballot.

By-Mail ballots processed on the ImageCast Central go through an additional level of auditing when they are adjudicated using Dominion's Adjudication application. When a ballot is reviewed in the Adjudication module and a user makes an adjudication decision, the ballot image is appended with a record of that decision, the ballot image is appended with a record of that decision, which user took what action at what time. This allows election officials to ensure that adjudication decisions made by authorized users can be further scrutinized and reviewed, and reversed if necessary, with a clear audit trail of which decisions were made concerning a particular ballot. When scanned centrally, the ballots are timestamped to further enhance the audit capability of the system.

Each image is labeled with the tabulator, batch and sequence number within the batch, which corresponds to the physical ballot in the stack. The AuditMark is appended directly to the image showing how the vote was interpreted at scan time. This AuditMark will also include any adjudications applied to the ballot for voter intent. Even if ballots for a given batch are mixed after scanning, these multiple records provide a way of correlating the digital Cast Vote Record data to the image scanned and finally to the physical paper ballot. While the AuditMark allows ballot-level auditing, it is never tied to the voter.

Dominion is happy to demonstrate to the State of Ohio our extensive capabilities in the area of reporting and audit trail creation.

Demonstrate closing of the polls and ability to run reports required by Ohio law (e.g., precinct reports).

YES

YES

Dominion can demonstrate how to close polls on all of our tabulators and how to close down the Democracy Suite Election Management System as a whole. The closing of polls is a simple and intuitive process for poll workers.

In Democracy Suite Results Tally and Reporting we offer multiple ways of exporting data, including the reports as required by Ohio law.

The Results Tally and Reporting module of the Democracy Suite EMS produces fast, versatile and easily customizable reports from data available in the election project. The Results Tally and Reporting module of the Democracy Suite EMS uses SQL Server Reporting Services to produce the following standard reports:

- Election Summary Report
- Statement of Votes Cast (precinct-level results)
- Cards Cast Report

All these reports can be exported to PDF, Microsoft Word, Microsoft Excel, and Microsoft PowerPoint.

These three reports allow filtering by Polling Location, Tabulator and Counting Group. Election Summary and SOVC reports can be customized to include a number of statistics including: Times Cast, Undervotes, Overvotes, Total Votes, Counting Group breakdown, Write-ins, Percentage by ballots cast or by votes cast, sorting of candidates by global order or by votes received. Filters by contest, precincts, or districts can be applied. Report titles can be modified to indicate unofficial or canvass results. Report profiles can be saved, loaded and exported between election projects.

Additional reports include:

- Results per precinct (simplified precinct-level report)
- Contest overview data (simplified summary report)
- Located Scanned Ballots
- Results per Tabulator

<ul style="list-style-type: none"> <li>• Canvass</li> <li>• Write-Ins per Tabulator</li> <li>• Registration and Turnout</li> <li>• Contests on Margin</li> <li>• Tabulator Status</li> <li>• Ballots Cast per Ballot Style</li> <li>• Ballots Cast per Tabulator</li> </ul> <p>All these reports can be generated at the same time that scanning and adjudication is happening, without affecting performance or accuracy.</p> <p>All reports can be customized. Headers can be customized to include "official" or "Non-official" wording, or other desired wording.</p>				
<p>Dominion Voting will demonstrate the report of results and the wide breadth of format variations that reports can be created in the Results Tally and Reporting module.</p> <p>The EMS Results Tally and Reporting (EMS RTR) module is used on election night upon close of polls to accumulate results from tabulators and generate results reports. For the EMS RTR module, inputs represent encrypted and signed election result files (proprietary format), log files (plain text) and scanned ballot images with AuditMark, produced by precinct and central tabulators (PNG and TIFF images). Outputs represent a variety of election result reports, as well as auditing information (XML, HTML, CSV, MS Excel and PDF formats).</p>	YES	YES	YES	<p>Demonstrate report of results and format variations.</p>



<p>Discuss and demonstrate recount and post-election audit procedures. See SOS Directives 2012-52 and 2012-56.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion Voting can both discuss and demonstrate recount procedures and post-election audit procedures to the State of Ohio and participating jurisdictions that meet the requirements of the State of Ohio Secretary of State directives.</p> <p>The Democracy Suite system produces a ballot-level cast vote record. Results can be broken down to the individual ballot level, using the system's cast vote record exports.</p> <p>In addition to this level of granularity results reports and exports may be run for a specific batch, set of batches, tabulator/voting device, set of tabulators/voting devices, all voting devices assigned to a given polling location, counting group/vote method, precinct, district, contest, or group of contests.</p> <p>In the event of a recount, the system can produce reports to help the jurisdiction locate all ballots within a given contest/precinct. The system allows for users to export a set of ballot images for a particular contest, allowing interested parties to review ballot images to aid in the determination of the necessity of a recount. In a recount, jurisdictions can easily use the same election definition and tabulation files to "re-scan" a set of ballots. If desired, the jurisdiction may also simply re-adjudicate (resolve) a set of ballots for an election to determine if the resolution activities would impact the outcome of the election.</p>
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<p>Ability to produce reports in the format requested by the secretary of state.</p>	<p>YES</p>	<p>YES</p>	<p>YES</p>
<p>Dominion has the ability to produce reports in the format as requested by the secretary of state.</p> <p>Standard reports are generated using SQL Server Reporting Services. These reports can be exported in multiple widely used data formats including .xls, .pdf, .xml, .mhtml, .csv, .doc, .tif, .txt, and ascii.</p> <p>Results Tally and Reporting exports results data in XML by default. In addition, the application can import customized XSLT transformations, thus allowing election results to be presented in any format such Microsoft Excel format, (.xls) and Comma Separated Value (.csv). W3C defines a language that transforms XML files into more readable formats, such as clear text files, HTML, XHTML, other XML formats, SVGPDF, etc. Any number of XSLT transformations can be defined. When an XSLT transformation is created, it is automatically attached to all transfer points set within the system. This means that, in addition to the XML results file, the system will create other output file formats defined by the XSLT transformations.</p>	<p>YES</p>	<p>YES</p>	<p>YES</p>

<p>Ability to allow all electors to vote for all candidates in which he/she entitled to vote (R.C. 3506.10(B), R.C. 3506.06(B), OAC 111:3-3-01(C)(2)).</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's Democracy Suite has the ability to allow all electors to vote for all candidates in which he/she is entitled to vote. Using the Election Event Designer module, jurisdictions or the State can set parameters for voting guidelines simply and easily. This process includes defining all contests, candidates, issues, and other voting guidelines for which an individual is entitled to vote on. Dominion Voting is happy to demonstrate the ease and simplicity our Election Event Designer module in creating and defining all aspects of an election.</p>
<p>No discrepancies arising from multiple voting machine count accumulation processes.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's Democracy Suite and the accompanying ImageCast tabulators were designed so that no discrepancies ever arise from multiple voting machine count accumulation processes. Safeguards such as the AuditMark ensure that no vote is ever counted twice and that a high-level of transparency is attached to each and every count of votes. The use of our Dual Threshold technology also provides a very good tool to eliminate discrepancies. Dominion is happy to discuss further upon request.</p>
<p>How an individual vote cannot be traced to the individual voter using an electronic machine with a paper audit trail or optical scan system.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's Democracy Suite does not allow individual voter information to be traced back to the individual, whether they are using the electronic machine with a paper audit trail (ICX-BMD or ICX VVPAT) or a paper ballot scanned on the ImageCast Precinct, Evolution, or Central. In-person voting terminals, as well as the central count system, ensure that ballot choices cannot be linked to a specific individual voter, and preserves the secrecy of the vote.</p>

Ability to manually enter data by boards of election staff under the appropriate circumstances.

YES

YES

Dominion's Democracy Suite in conjunction with the Election Event Designer module allows jurisdictions to manually enter data as directed by boards of election staffs under appropriate circumstances. The Election Event Designer module allows users to enter election definition data manually or to be imported via the Election Data Translator utility and to set the parameters and guidelines of a specific contest or election. All actions are logged in an audit file.

<p>Ability and methods designated in user manual to clear tabulating memory and re-run ballots.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's user manuals, which will be composed specifically to meet the standards and needs of the State of Ohio and participating jurisdictions, will clearly delineate and explain how to clear tabulating memory and how-to re-run ballots that have been scanned.</p> <p>Dominion can also assist participating jurisdictions in the developing and learning the processes to securely erase pertinent and sensitive data. Below, we provide a brief overview of that process.</p> <p>At the end of an engagement, Dominion will securely and completely erase all Ohio provisional data (including any and all confidential information).</p> <p>Dominion Voting confirms that our solution does not continue to store information on the voting system, once it has been erased. The deletion of data involves erasing data from the following components: Vote Tabulator Memory Cards; Election Management System (EMS) Server; and Results Tally and Reporting.</p> <p>The Democracy Suite Election Management System allows an authorized user to rerun a batch of ballots when necessary. When a batch of ballots that was already accepted and submitted needs to be rerun, only an authorized Results Tally and Reporting user can reject the previous batch.</p> <p>Also, both batches can coexist in the system without impacting results, if the new batch is not in a published state.</p>
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Voting system's ability to be "backed-up" on-site or off-site; demonstrate back-up system's capability to prevent loss of data.

YES

YES

Dominion's Democracy Suite has the ability to be "backed-up" either on-site or off-site. Dominion can demonstrate to the State of Ohio and participating jurisdictions our system's capability to prevent the loss of data.

Dominion maintains a parallel system for every information technology system. The parallel system is kept on standby mode and deployed if needed. All database servers also make scheduled copies of their data to the NAS storage device and can be restored if needed. All equipment used in our systems is based on redundant internal architectures – dual power supplies, RAID disks, etc. The operating system and data storage components of the Democracy Suite system are configured within redundant RAID arrays. These RAID arrays provide protection from hardware failure.

The Democracy Suite system offers two types of backups:

- Database and file system backup, including all reports, scanned ballot images and result files.
- Database backup.

Dominion recommends scheduling backups during peak processing times and restoring to a redundant "warm" server to allow for contiguous operations during critical election events. Scheduling a backup is simple and easy, requiring a user to make a selection in the application, the backup is then completed automatically.

The Dominion head office is in Denver, CO. Should this site be compromised, a variety of disaster recovery plans are in place:

- Software and IP are stored in multiple locations
- Technical specifications are stored in multiple sites
- Most service staff are based in the United States, but service personnel are also across North America and Europe.
- Dominion offices are located in four time zones for the convenience of our customers.
- Fully redundant data center environments one primary and the secondary in hot standby mode, in the case of an issue with the primary data center environment the secondary will assume the primary role.

All Dominion employees utilize the same standardized procedures and collaboration techniques to ensure the most seamless transition in case of accident or other business continuity threat.



<p><b>Warranty / Bond / Service</b>  <i>Below are additional statutory requirements that a manufacturer must satisfy before a county board of elections may purchase, rent, acquire, or use new voting equipment</i></p>	<p>Manufacturer has ability to give adequate guarantee in writing and post a bond in an amount sufficient to cover cost of any recount or new election resulting from use or malfunction of equipment (R.C. 3506.10).</p>	<p>Manufacturer has ability to accompany bond with satisfactory surety, as determined by Secretary of State and board of county commissioners, guaranteeing and securing machines have been and continue to be certified and will correctly, accurately, and continuously record every vote for a period of five years (R.C. 3506.10).</p>	<p>Manufacturer has ability to guarantee machines against defects in workmanship and materials for a period of five years from date of acquisition (R.C. 3506.10).</p>	<p>Explanation of support services required for voting system maintenance and services offered by voting machine manufacturer, including speed of service options, election day consultation, and general trouble-shooting.</p>												<p>Dominion agrees to comply with this requirement subsequent to further discussion of the statutory terms and definitions, negotiation, and clarity on the limitation of liability.</p>	<p>Dominion agrees to comply with this requirement subsequent to further discussion of the statutory terms and definitions, negotiation, and clarity on limitation of liability.</p>	<p>Dominion agrees to comply with this requirement subsequent to further discussion of the statutory terms and definitions, negotiation, and clarity on the limitation of liability.</p>	<p>Dominion agrees to provide explanation of support services required for voting system maintenance and services offered by Dominion, including speed of service options, election day consultation, and general trouble-shooting.</p>
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<p>Explanation of all product and services covered under the warranty and identification of the products and services that are NOT covered under the warranty.</p>				<p>Dominion agrees to provide an explanation of all product and services covered under the warranty and identification of the products and services that are not covered under the warranty.</p>
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Miscellaneous/General Properties	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT	QUESTIONS / COMMENTS
<p>CRITERIA</p> <p>Voting systems capacity to communicate with the voter registration system or other software.</p>				<p>Dominion has extensive experience integrating with third party systems like voter registration systems and other applicable software.</p> <p>As an example, Dominion has successfully worked to ensure the easy and efficient upload of election data, including the SCORE system in the State of Colorado, the State of Michigan's QVF program, and the State of New Mexico's voter registration system. Dominion has worked with Statewide Voter Registration systems that previously interfaced with GEMS and currently interface with Democracy Suite.</p>

<p>Voting system's ability to accept up-grades without the replacement of entire system.</p>				<p>Any software changes, upgrades, modifications, updates, patches, etc. are typically included in upcoming full releases of the software. Customers will have ongoing visibility as to which future version of Democracy Suite will include any Ohio-specific changes. Once the version is federally certified, in conjunction with the State certification, Dominion will devise an upgrade plan for customers.</p>
<p>Complexity of operation of equipment or system can be mastered with reasonable amount of training.</p>				<p>Agreed. Dominion's Democracy Suite and the accompanying ImageCast hardware are simple and intuitive to use and can be easily mastered with the reasonable amount of training.</p>
<p>Instructions in user manual match the actual operation described and produces the intended results.</p>				<p>Dominion agrees to provide user manuals that meet the specific needs of Ohio customers that match the actual operations described therein to produce the intended results. Dominion has provided some sample user manuals as an appendix to this ITB response.</p>



<p>Explanation of cost and compatibility of newly Election Assistance Commission certified components or upgrades with currently certified equipment or system.</p>				<p>Agreed. Dominion's response includes pricing details for the EAC certified systems, hardware and software components.</p>
<p>Inclusion and sufficiency of contracted terms for the purchase/lease of equipment.</p>				<p>Agreed. Dominion has included sample hardware, software and managed services contracts in Appendix B "Attachments."</p>

Explanation of all products and materials necessary for polling place setup and election night tabulation, including transportation requirements.

The typical list of supplies and consumable products is provided below. Quantities will depend on the number of units purchased:

**ImageCast Evolution and Precinct**

- iButton security keys COTS
- SKEY-300B, IMAGECAST ADMIN KEY WITH BLACK KEY MOUNT 1 COTS
- SKEY-200A, ICE TECH KEY ASSY. WITH YELLOW KEY MOUNT COTS
- Thermal Paper Rolls PROPRIETARY
- Power supply for ICP COTS
- SINGLE IButton PROGRAMMER WITH USB ADAPTER, IBRW-100A COTS
- Compact flash memory cards COTS- ICP 2 per unit 16GB COTS (Centon)
- Internal Backup batteries PROPRIETARY
- ImageCast Cleaning Sheets PROPRIETARY
- Power supply kit - PROPRIETARY
- Compact Flash and iButton labels PROPRIETARY
- ImageCast Plastic Ballot box key PROPRIETARY
- Tamper evident seals COTS
- Ballot marking pens (sharpies) COTS
- Secrecy Sleeves (if desired) PROPRIETARY
- External monitor PROPRIETARY

**ImageCast X**

- TONER CARTRIDGE , HP 26A - COTS
- PRINTER, HP LASERJET PRO M402DNE - COTS
- BMD PRINTER TRANSPORT BAG 1 Proprietary
- UPS, 1.5KVA, TOWER MODEL 1 ICX BMD, EMS STD COTS
- CABLE, USB 2.0 A MALE TO B MALE HI-SPEED CABLE COTS
- ICX USB-AUDIO TO ATI CABLE 2 ICX ADA Proprietary
- ATI-30U, AUDIO TACTILE INTERFACE - USB 1 ICX ADA Proprietary

Availability of supplies and services required for use of the voting system; explain which supplies and services are available only from the manufacturer and which are available from sources other than the manufacturer.

The typical list of supplies and consumable products is provided below. Quantities will depend on the number of units purchased.

**ImageCast Evolution and Precinct**

- iButton security keys COTS
- SKEY-300B, IMAGECAST ADMIN KEY WITH BLACK KEY MOUNT 1 COTS
- SKEY-200A, ICE TECH KEY ASSY. WITH YELLOW KEY MOUNT COTS
- Thermal Paper Rolls PROPRIETARY
- Power supply for ICP COTS
- SINGLE BUTTON PROGRAMMER WITH USB ADAPTER, IBBRW-100A COTS
- Compact flash memory cards COTS- ICP 2 per unit 16GB COTS (Cenon)
- Internal Backup batteries PROPRIETARY
- ImageCast Cleaning Sheets PROPRIETARY
- Power supply kit - PROPRIETARY
- Compact Flash and iButton labels PROPRIETARY
- ImageCast Plastic Ballot box key PROPRIETARY
- Tamper evident seals COTS
- Ballot marking pens (sharps) COTS
- Sececy Sleeves (if desired) PROPRIETARY
- External monitor PROPRIETARY

**ImageCast X**

- TONER CARTRIDGE, HP 26A - COTS
- PRINTER, HP LASERJET PRO M402DNE - COTS
- BMD PRINTER TRANSPORT BAG 1 Proprietary
- UPS, 1.5KVA, TOWER MODEL 1 ICX BMD, EMS STD COTS
- CABLE, USB 2.0 A MALE TO B MALE III-SPEED CABLE COTS
- ICX USB-AUDIO TO ATI CABLE 2 ICX ADA Proprietary
- ATL-30U, AUDIO TACTILE INTERFACE- USB 1 ICX ADA Proprietary







Evaluation rating sheet for DREs (OAC 111:5-1-01 and VVPAT requirements)			
Demonstrate means by which a voter casts a ballot.	YES		<p>YES</p> <p>Dominion's ImageCast X is a Ballot Marking Device (BMD), which produces a paper ballot at the end of the voting session (standard and accessible). The paper ballot contains a 2D barcode, which is what the tabulation system scans, as well as a summary of the voter's selections for each contest/question. As a BMD, it does not produce a VVPAT, but the paper ballot acts as the paper record for each vote cast.</p>
Shall include a VVPAT (R.C. 3506.10(P)).	YES	YES	<p>YES</p> <p>The ImageCast X in the BMD configuration provides a printed paper ballot for tabulation. Additional configurations include a Direct Recordable Electronic (DRE), which includes a VVPAT printer that provides a paper record of voting session without storing any voter identifiable information. The ImageCast Evolution marks the paper ballot, and upon acceptance by the voter, the paper ballot is deposited into the attached ballot box.</p>



CRITERIA	ACCEPTABLE OR "YES"	UNACCEPTABLE OR "NO"	COVERED IN EAC TEST REPORT	QUESTIONS / COMMENTS
One VVPAT for each DRE, which will allow a voter to view his or her paper record copy while preventing the voter from directly handling the paper record copy or receiving a receipt or any other type of confirmation.	YES		YES	The ImageCast X in the DRE configuration includes an accompanying VVPAT printer. This allows every voter to review, accept, or reject his or her paper record privately and independently using the touchscreen screen. If the voter accepts their selection, a printer paper record of the voting session is printed on the VVPAT printer. The printed paper record is viewable through a glass window within the locked VVPAT printer. In this process, voters do not have to ever directly handle their paper record copy or another type of confirmation as per the requirements of the State of Ohio.
Every electronic record must have a corresponding paper ballot record copy.	YES		YES	Every electronic record has a corresponding paper ballot record copy.
Paper used shall be sturdy, clean, and resistant to degradation. <ul style="list-style-type: none"> <li>• No less than 15 pounds</li> <li>• White</li> </ul>	YES		YES	Paper used for the VVPAT paper roll is sturdy, clean and resistant to degradation. The paper is white and is no less than 15 pounds. Dominion is happy to provide further details upon request.
A VVPAT storage unit shall store cast and spoiled paper record copies.	YES		YES	If the voter rejects or spoils the VVPAT paper record, the VVPAT will record that the record is void and keep running a record of all cast and spoiled ballots.
The VVPAT shall not be used with any voting equipment that contains any radio frequency or any other wireless device that transmits information further than one inch.	YES		YES	The ImageCast X with VVPAT is not connected to any equipment that contains a radio frequency or any other wireless devices that transmit information.



<p>The paper ballot copy must be printed and the voter must have the opportunity to verify that record prior to the final electronic record being recorded; VVPAT allow every voter to review, accept, or reject his or her paper record privately and independently.</p>	<p>YES</p>		<p>YES</p>	<p>The ImageCast X DRE with VVPAT allows every voter to review, accept, or reject his or her paper record privately and independently. If the voter accepts the paper record, the individual votes and vote totals will then be stored directly on the device's redundant memory as well as in paper format on the VVPAT printer unit. Every electronic record has a corresponding paper record copy.</p>
<p>A unique identifier must appear on each individual paper ballot record produced – the identifier must not reveal the identity of the voter.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's Democracy Suite in conjunction with the Election Event Designer module has the capability to include a unique identifier on every paper ballot record produced, without revealing the identity of the voter.</p>
<p>The VVPAT shall easy for a voter to read (readability).</p> <ul style="list-style-type: none"> <li>• Headline at least 25 point font or not less than 9 point font with magnification capability to read as 30 point font.</li> <li>• Ballot language at least 9 point font with magnification capability to read as 30 point font.</li> <li>• Type face – new roman, arial, myriad or equivalent</li> <li>• Printed in black ink</li> <li>• Image created shall include every contest, including write-ins and undervotes.</li> </ul>	<p>YES</p>		<p>YES</p>	<p>Dominion agrees to meet the stated requirements concerning the VVPAT paper roll as stated by the State of Ohio.</p> <p>The ImageCast X DRE with VVPAT has a font size capacity of 20-40 points. The VVPAT utilizes Android monospaced fonts and Open Sans Condensed. Dominion's VVPAT is a thermal printer, so costly ink is not necessary for the functioning of the unit. Write-ins are captured. Undervotes are not explicitly captured but can be determined from the contest vote-for and the number of explicit selections listed on the printout.</p>

<p>VVPAT must be accessible to those with disabilities.</p>	<p>YES</p>		<p>YES</p>	<p>The ImageCast X with VVPAT has an intuitive touchscreen interface with various features for accessibility. Whether configured as a DRE or BMD, the voter navigates through the ballot and marks their selections, either using the touchscreen interface or an accessibility device.</p>
<p>VVPAT designed to ensure that there is an adequate amount of ink, toner, ribbon, or other like supply units to accommodate voters. The system should provide a warning and an opportunity for a poll worker to add a supply of paper, ink, toner, ribbon or other like supply units before the item runs out.</p> <p>Precinct election official should be able to add supplies without reading the VVPAT.</p>	<p>YES</p>		<p>YES</p>	<p>The VVPAT utilizes thermal printing paper, thus eliminating the need for expensive reserves of ink, toner or ribbon. The thermal printing unit is long-lasting and easy to maintain.</p> <p>If a precinct election official needs to conduct maintenance on the VVPAT, the process is both simple and intuitive. In addition, Dominion can provide training materials, including demonstrative videos that explain the process.</p>
<p>VVPAT is on the same power system as the DRE and have a battery back-up of at least 2 hours (note: VVPAT may have a separate battery but cannot be functional without the DRE).</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's ImageCast X and accompanying VVPAT printer utilize a single power source which pulls power from a standard outlet. The unit also has a battery pack which allows for at least 2 hours of functionality in the event of a power outage.</p>

<p>Security protection for VPPAT is build into DRE.</p> <ul style="list-style-type: none"> <li>• Printer secure from tampering</li> <li>• Routine maintenance may be performed without altering the records that have been recorded and without tampering with the VVPAT</li> </ul>	<p>YES</p>		<p>YES</p>	<p>Dominion's ImageCast X with VVPAT has security protections that are built into the system to prevent tampering and logs all activity, including attempts to access memory cards or the printed paper records on the VVPAT printer. The VVPAT unit printer is secure from tampering and routine maintenance can be performed without the need to alter records on the VVPAT.</p>
<p>Provisional ballot – image created for provisional ballot must be identifiable as a provisional ballot.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's system has an image created for a provisional ballot that identifies it as such.</p>
<p>Spoiled ballot – image created for a spoiled ballot must be identifiable as a spoiled ballot.</p>	<p>YES</p>		<p>YES</p>	<p>Dominion's system has an image created for a spoiled ballot that identifies it as such.</p>
<p>Voter may spoil his or her ballot no more than two times.</p>	<p>YES</p>		<p>YES</p>	<p>The ImageCast X DRE with VVPAT will allow a voter to spoil a ballot no more than two times.</p>

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## Attachment E – Election Night Reporting Requirements

Dominion has read and understands the Election Night Reporting requirements for the State of Ohio and participating jurisdiction in Attachment E of this ITB.

The Democracy Suite Results Tally & Reporting (RTR) module features a one-click results export to a variety of formats, and can meet the state's election night reporting requirements as outlined in the ITB's Attachment E. Results reports, such as Summary and Precinct-level (Statement of Votes Cast) result reports, can also be generated and exported in a variety of file formats, including .xls, .pdf, .xml, .mhtml, .csv, .doc, .tif, and .txt. In addition to the static, pre-defined reports found in most reporting systems, RTR's Summary and Precinct-level reports use the Microsoft SQL Server Reporting Services engine to offer maximum flexibility to the user. These reports feature a variety of configurable options and filters, including detailed breakdowns of provisional ballots cast, ballots cast during early voting, on Election Day, and by mail. Election administrators may use the default settings or configure the data fields included in the reports depending on the target audience.

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# Appendix A – Voting System Description

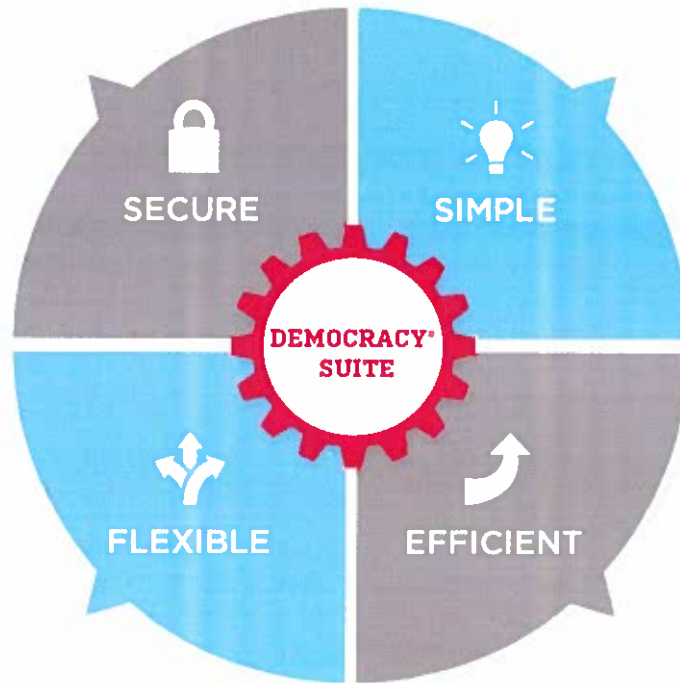
## Benefits of Using the Democracy Suite System

- Democracy Suite powers the entire voting system out of a single comprehensive database, with all the tools needed to simplify and streamline the process.
- All voting-channels whether absentee ballots, accessible voting, or precinct-based voting – are supported and powered by Democracy Suite.
- All pre-election and post-election tasks take place out of the same database – from ballot programming to results reporting on Election Night, Democracy Suite is a complete, end-to-end elections solution.
- It is designed to suit the needs and requirements of jurisdictions large and small and can be easily scaled to support any size jurisdiction.
- The State will be equipped with Dominion’s Democracy Suite Election Management System, which is comprised of several modules to manage an election project from start to finish. Democracy Suite is composed of two main modules:
  - Through the **Election Event Designer (EED)** module, the election definitions of the jurisdiction such as districts, races, and candidates can be input or imported. The Election Data Translator utility allows the import of the election definition, further simplifying the election definition process for the County Administrator.
  - Through the **Results Tally and Reporting (RTR)** module, the counties can easily and quickly receive and accumulate election results from their precincts and rapidly report them to the State for accumulation and distribution of State-wide election results. The system allows for the configuration and creation of a wide range of reports that can be easily accessed or customized.
- The system allows for the configuration and creation of a wide range of reports that can be easily accessed or customized.

The Democracy Suite technology platform delivers an improved experience for the voter, long-term sustainability, operational efficiencies, transparency and cost-savings.

- Designed to meet the latest EAC VVSG requirements with industry leading FIPS 140-2 compliant security protocols.
- Complete end-to-end system auditability
- Symmetric and asymmetric encryption for data confidentiality
- All communications channels are encrypted with SSL protocols
- Reduced complexity for election officials, as programming and results consolidation takes place out of a single unified database
- With easy-to-use, intuitive user interfaces across the entire product line, your staff and poll workers are able to confidently carry out the tasks in their workflow
- Improved and user-friendly experience for voters
- Capable of handling many types of elections, voting rules, (i.e. straight party, open or closed primaries, etc.) and a range of jurisdiction sizes

- A diverse range of EMS modules and voting channel singular devices with flexible configurations to meet jurisdictional needs
- Built-in tools to help you simplify and streamline your process, increase productivity, and save you time and money
- Save and re-use ballot templates, election event definitions, and report templates so you can quickly and easily generate future election projects






## Election Event Designer

The Election Event Designer module manages all of the information needed to define an election. Definition of an election is a complex task, and the event definition module allows for the easy entry and tracking of districts, precincts, contests, candidate names, voting locations and ImageCast tabulators. Election Event Designer allows jurisdictions to choose from a variety of language options for an election project.

Election definition data may be entered manually or imported using the Election Data Translator utility. The Election Data Translator utility allows the import of the election definition from an excel file, further simplifying the election definition process for the County Administrator. Election definition data may be exported or copied from prior election databases to speed up the process of coding subsequent elections.

Election Event Designer uses the County's geopolitical and election event data to automatically calculate the required ballot styles and generate full-sized press-ready ballots in industry-standard PDF format. EMS lays out contests on the ballot in the most space-efficient manner possible, in order to minimize printing costs. Election Event Designer offers extensive options for ballot styling with full user control – choose fonts, line weights, number of columns, multiple languages, multi-card or double-sided, landscape or portrait style, variety of voting target options, colored headers, etc. A unique ballot ID barcode distinguishes each ballot style. The ballot is 8.5" wide and can vary between 11"-22' in length.



The ballot can be double sided and if necessary, can be made up of multiple pages (up to 15) to accommodate a ballot with offices and candidates that might exceed one double-sided page. The State can easily print ImageCast Optical Scan Ballots through a range of modern printing technologies. All fonts used in the ballot artwork are embedded in the PDF file and ballot artwork files are digitally signed (X.509) and tied to the election project files produced by Democracy Suite EMS to allow for authentication and revision control.

The EMS system uses Cepstral, a third-party text-to-audio synthesizer, to automatically generate audio ballots for the ImageCast Precinct, ImageCast Evolution, and the ImageCast X. Users also have the option to import human-recorded audio using Cepstral's Swiftalker application. The system outputs audio ballots (PNG images, SPX audio files and XML definition files), definition reports (XML, Excel or HTML files), and election definition files required to program all tabulators and voting devices.

The in-person voting devices are defined and configured in the Election Project and these parameters are passed to the voting machines via the election files on the memory media. Tabulators are automatically configured to know which ballot styles to accept or display to the voter, how the unit should interact with voters and where results files are uploaded. The ImageCast X will store all available ballot styles and will present the correct ballot style to the voter when the voter inserts their activation card and activates the voting session. The poll worker only needs to follow the Election Day procedures established by the State/County and never needs to make a decision regarding the voting device's settings at the voting location.

## Results Tally and Reporting

The EMS Results Tally and Reporting (EMS RTR) module is used on Election Night upon close of polls to accumulate results from tabulators and generate results reports. The application allows officials to physically transport memory media to a central processing office.

For the EMS RTR module, inputs represent encrypted and signed election result files (proprietary format), log files (plain text) and scanned ballot images with AuditMark, produced by the Precinct and Central tabulators (PNG and TIFF images). Outputs represent a variety of election result reports, as well as auditing information (XML, HTML, CSV, MS Excel and PDF formats).

The program automatically uploads the result files into the results tally module, and consolidated results are verified, tabulated, and published. Once the vote data is uploaded into the result tally module, the flow of results to the public and media can be controlled.

RTR allows election officials to review the results before releasing them, and the system provides a number of reporting methods, including but not limited to Summary and Precinct-level (Statement of Votes Cast) results reports. In addition to the static, pre-defined reports found in most reporting systems, RTR's Summary and Precinct-level reports use the Microsoft SQL Server Reporting Services engine to offer maximum flexibility to the user. These reports feature a variety of configurable options and filters, including detailed breakdowns of provisional ballots cast, ballots cast during early voting, on Election Day, and by mail. Election administrators may use the default settings or configure the data fields included in the reports depending on the target audience. Reports may be filtered by precinct, district, contest, tabulator, or voting location, to narrow in on specific results data of interest contained within the election database.

The Democracy Suite Results Tally and Reporting (RTR) module features a one-click results export to a variety of formats, and can meet the State's election night reporting requirements as outlined in the ITB's Attachment E. In addition, the module features a numerous export types for compatibility with third-party web-based Election Night Reporting software.

In Democracy Suite 5.5, the Democracy Suite Results Tally and Reporting module also includes a full export of all Cast Vote Records (CVR) from the system. This export is available in a JSON format to support any risk-limiting audits or post-election analysis on individual vote records. The CVR export includes references to the ballot image data from all tabulator channels as well as providing a full, robust audit solution on a ballot-by-ballot basis.

## Core Technology – Ensuring Accurate and Transparent Elections

- The Democracy Suite Election Management System handles all activities related to your election. It produces ballots and tabulator information and is enhanced by Dominion's Core **Dual Threshold and AuditMark technologies**.
- Dual Threshold technology has a user-defined low and high marginal mark threshold to ensure that each and every voter's ballot will be read the same every time. If a voter does not properly fill in the oval while marking their ballot and their oval mark falls in the marginal mark zone, the system will inform the voter of the Marginal Mark and the **onus of clearly defining their intent is on the voter**, not the Election Official.
- The AuditMark auditing system is, however, what makes the Dominion difference and sets us apart from other vendors in the industry. **It is the only system that digitally stores an image of every ballot cast along with a record of how the ImageCast tabulator interpreted each vote**, ensuring a completely transparent and auditable election.
- Administrators find it a great comfort when reviewing ballot images during recounts and every image is accompanied by this **clear, digital, human-readable AuditMark record**.
- Administrators find it a great comfort when reviewing ballot images during recounts and every image is accompanied by this **clear, digital, human-readable AuditMark record**.
- We take particular pride in this unique feature, because it demonstrates how seriously Dominion takes **our policy of being 100% accountable** for each and every vote cast.

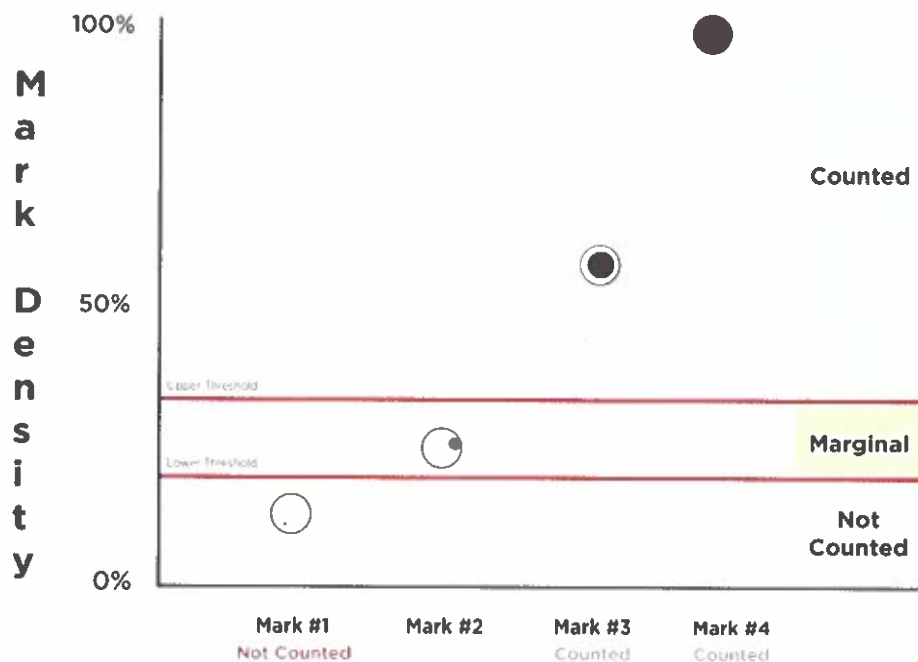
Dominion Voting System has invested in the development of technology that truly sets its products apart from the competition. Dominion's core technologies focus on ensuring two key aspects of the electoral process – **accuracy and transparency**.

## Dual Threshold Technology (Marginal Marks)

From its early beginnings, Dominion continues to set the standard in digital image acquisition and analysis in the tabulation of digitally scanned ballots. When a hand-marked ballot is scanned by an ImageCast tabulator – at the precinct level or centrally – a complete duplex image is created and then analyzed for tabulation by evaluating the pixel count of a voter mark. The pixel count of each mark is compared with two thresholds (which are defined through the Election Management System by the Election Official) to determine what constitutes a vote.

If a mark falls above the upper threshold, it is determined to be a valid vote. If a mark falls below the lower threshold, it will not be counted as a vote. However, if a mark falls between the two thresholds (known as the “ambiguous zone”), it will be deemed as a marginal mark and the ballot will be returned to the voter for corrective action (please see diagram below).

With this feature, the voter is given the ability to determine his or her intent at the time they cast their ballot, not an inspection or recount board after the fact, when it is too late. The chart below illustrates the Marginal Mark threshold interpretation.



### Dual Threshold Mark Detection - Marginal Marks





## Dominion's Exclusive Digital Ballot AuditMark

Dominion's AuditMark technology will allow Ohio counties to provide greater transparency in the electoral process. Every single ballot in the election is imaged and appended with Dominion's patented AuditMark, a record of how the system interpreted the voter's intent. **The AuditMark is the only technology that provides a clear and fully auditable single vote cast record for every ballot cast.**


### The AuditMark Advantage

**Transparency:** Our system is the only one that stores a complete image of every ballot cast, along with the audit trail for that ballot visually affixed to the image.

**Accuracy:** The audit trail shows how the tabulator interpreted the voted ballot markings of the secure barcode, at the time the ballot was cast. By viewing this image, an election official can easily verify that the tabulator has correctly interpreted the voter's selections on the ballot.

**Trust:** Furthermore, by randomly opening a small number of image files and verifying that the audit trail displays the correct results, the election official can quickly develop a high level of confidence that all of the ballots have been interpreted correctly.

In practice, the AuditMark feature can be used as:

- 
- A method to test machine integrity before an election
  - A method of obtaining confidence that the equipment is functioning properly
  - A method to completely audit the entire election
  - A method to enhance re-counts



## Hand-Marked Ballot Image with Audit Trail

This is a sample ballot image for a centrally-processed ballot. All ballots are imaged and stored for auditing purposes. The image contains:

1. **Timing Marks:** Fixed marks on the ballot that the scanner reads in order to determine the ballot's orientation and identify voting targets.
2. **Ballot Header:** Includes the name of the election and any other text the jurisdiction provides. Can also include the organization's logo.
3. **Instructions:** Formatted free text that the jurisdiction can customize.
4. **Contest Headings and Choice Fields:** These areas support customized items and formatting including images.
5. **Voting Targets:** Voting targets can be placed on the left or right of the candidate's name.
6. **Columns:** Ballots can have one, two, three or four columns.
7. **AuditMark:** Ballot-level audit trail feature which shows how the tabulator interpreted the voter's marks.

**FAMOUS NAMES**  
Demonstration Ballot

DOMINION VOTING

To VOTE: Completely fill in the oval next to your choice like this  
Mark with a blue or black ink pen, or with a pencil.

FEDERAL OFFICES	STATE OFFICES	PROPOSITIONS
<b>UNITED STATES SENATOR</b> (Vote for ONE) <ul style="list-style-type: none"> <li>EVERETT DIRKSEN VIRGINIA PARTY</li> <li>CHARLES CURTIS OHIO PARTY</li> <li>JOHN HANCOCK CALIFORNIA PARTY</li> <li>Write-in</li> </ul>	<b>STATE SENATOR 37th DISTRICT</b> (Vote for ONE) <ul style="list-style-type: none"> <li>FLORENCE NIGHTINGALE VIRGINIA PARTY</li> <li>ANDREW CARNEGIE OHIO PARTY</li> <li>FRANCIS SCOTT KEY CALIFORNIA PARTY</li> <li>Write-in</li> </ul>	
<b>UNITED STATES REPRESENTATIVE</b> (Vote for ONE) <ul style="list-style-type: none"> <li>WILLIAM B. WILSON VIRGINIA PARTY</li> <li>ROBERT LA FOLLETTE OHIO PARTY</li> <li>WC REDFIELD CALIFORNIA PARTY</li> <li>Write-in</li> </ul>	<b>NONPARTISAN OFFICES</b>	<b>BOARD OF EDUCATION</b> (Vote for ONE) <ul style="list-style-type: none"> <li>BOOKER T WASHINGTON</li> <li>ALBERT EINSTEIN</li> <li>THOMAS ALVA EDISON</li> <li>HELEN KELLER</li> <li>Write-in</li> </ul>

00002 00001 000001 (if scanned at 2:31 PM on 12/12/2013)

UNITED STATES SENATOR  
Vote for EVERETT DIRKSEN  
UNITED STATES REPRESENTATIVE  
Vote for ROBERT LA FOLLETTE  
STATE SENATOR, 37TH DISTRICT  
Vote for ANDREW CARNEGIE  
BOARD OF EDUCATION  
Vote for THOMAS ALVA EDISON

00002 00001 000001 (if scanned) at 2:31 PM on 12/12/2013

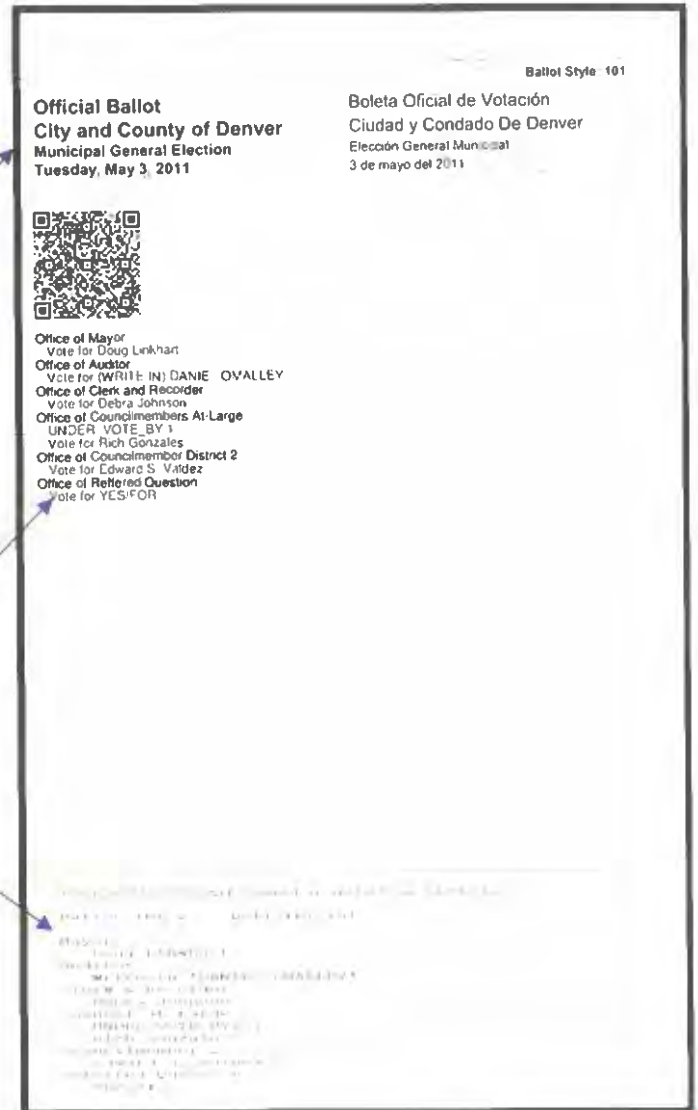
UNITED STATES SENATOR  
Vote for EVERETT DIRKSEN  
UNITED STATES REPRESENTATIVE  
Vote for ROBERT LA FOLLETTE  
STATE SENATOR, 37TH DISTRICT  
Vote for ANDREW CARNEGIE  
BOARD OF EDUCATION  
Vote for THOMAS ALVA EDISON



## ImageCast X Choice Summary Ballot Image with Audit Trail

This is a sample ballot image for a centrally-processed verifiable choice summary ballot. All ballots are imaged and stored for auditing purposes. The image contains:

1. **Ballot Header:** Includes the name of the election and any other text the jurisdiction provides.
2. **Secure QR Code:** Voter's choices are digitally signed in the secure barcode image that can only be scanned and decoded by Dominion's ImageCast tabulators.
3. **Ballot Data:** Clear image of all text, ballot contest headings, and voter choices.
4. **AuditMark:** Ballot-level audit trail feature showing how the tabulator decoded the barcode image and counted the voter's choices. Comparing the AuditMark to the written summary verifies that the system accurately recorded the voter's selections.



0000\_00007\_000001.Lif scanned at 16:31:37 on 04/05/15.

MARK: 00007: 1 Ball 100-101

MAYOR  
DANIEL LANKHART

AUDITOR  
DANIE OVALLEY

CLERK AND RECORDER  
DEBRA JOHNSON

COUNCILMEMBER AT-LARGE  
RICH GONZALES

COUNCILMEMBER DISTRICT 2  
EDWARD S. VALDEZ

REFERRED QUESTION  
YES/FOR

## In-Person Voting Solutions

On the following pages, Dominion has provided a high-level overview of the proposed in-person voting solutions and hardware that would be utilized in the State of Ohio.

### ImageCast X

#### Highlights

- Today, voters and election officials are increasingly looking to leverage everyday technologies to improve the voting process and experience. Dominion is listening to our customers and has designed a **touchscreen precinct-voting terminal** that combines the flexibility, efficiency, and simplicity of modern technology, with an underlying platform of security and performance – Democracy Suite.
- Fully integrated into the Democracy Suite platform, the ImageCast X takes full advantage of commercially available hardware, **making it a cost-effective and flexible solution.**
- **The ImageCast X also offers options for voters with accessibility needs** – ranging from contrast and text size, to being able to toggle between languages during the voting session or listen to an audio ballot, as well as allowing for use of personal assistive devices, such as a sip and puff.
- The **touchscreen interface** is user-friendly and intuitive for poll workers and voters, **improving the voting process and experience.**
- In Democracy Suite 5.5, **the ImageCast X can be configured as a Ballot Marking Device** which prints a **choice summary ballot** that is scanned on the ImageCast precinct or ImageCast Central.
- The ImageCast X can alternately be configured as a Direct Record Electronic (DRE) device with a Voter Verified Paper Audit Trail (VVPAT).
- As with all other ImageCast products, the ImageCast X has been designed with a **high level of security that meets the latest EAC VVSG requirements** while maintaining ease of use.
- Similarly, as with all other ImageCast tabulators, **the ImageCast X benefits from Dominion’s patented exclusive ballot-level audit trail, the AuditMark** which not only creates a digital image of every ballot cast, but also appends to that image a record of how the voter’s selections were interpreted by the voting system.

## Product Description and Features

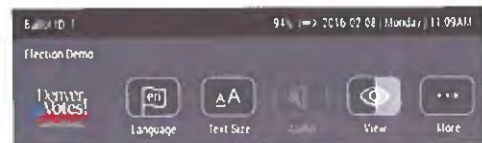
Our newest in-person voting device, the ImageCast X, is a universal touchscreen voting device that leverages commercially available hardware, making it cost-effective and sustainable. The ImageCast X is driven by a robust, secure and flexible application developed by Dominion. The ImageCast X is available in two different hardware makes the ImageCast X a cost-effective and versatile in-person voting solution. It requires less space to warehouse and is more affordable than larger proprietary solutions, while at the same time offering full ADA compliance. The ImageCast X is a truly universal voting device that can be configured either as a Ballot Marking Device (BMD) which prints a paper ballot, or as a Direct Recording Electronic (DRE) device that stores votes electronically, with a Voter Verifiable Paper Audit Trail (VVPAT).

The ImageCast X has an intuitive touchscreen interface with various features for accessibility. Whether configured as a DRE or BMD, the voter navigates through the ballot and marks their selections on the ImageCast X, either using the touchscreen interface or an accessibility device.

Training for election poll workers is minimal and straightforward. When a voter checks in to vote, the poll worker will verify the voter's credentials and create an activation card using the smart card writer/reader which can be integrated with many commercially available ePollbook devices. The activation card is used to activate a voting session on the ImageCast X and to present the voter with their correct ballot style. No information that can identify the voter is programmed on the activation card. Once the voter has printed or cast their ballot, the activation card is inactivated and can be returned to be re-programmed for the next voter.



The ImageCast X streamlined the in-person voting process in Colorado vote centers during early voting and on Election Day.



**Mayor**  
Total Number of Choices 5  
Vote for One

Sekú

Paul Noël Fiorino

Michael B. Hancock

Marcus Giovanni

Write-in



The ImageCast X features an intuitive touchscreen interface that the voter navigates contest by contest.

The ImageCast X is user-friendly for both the voter and poll worker, with intuitive screen prompts and a simple layout. The voter will insert their activation card to activate the voting session on the ImageCast X. If available, the voter will be prompted to choose their preferred language for their voting session. The voter may change their language selection at any time during the voting process. The voter can also change the text size or contrast of the display at any time during the voting session.

The voter will automatically be presented with the first contest on the ballot. The voter will navigate the ballot contest-by-contest by touching the screen to select options, candidates, and text for write-in selections. The voter can change or cancel their selection by deselecting their previous choice. The voter can also change the text size or contrast of the display. The View button allows the voter to change the display to high contrast white on black, or black on white. The text size button allows the voter to change the text size.



At any time the voter can change the text size or contrast of the display, as well as see a review of their ballot.

At any time, the voter can select the Review button to view a summary of their ballot selections. The ballot review will show all of the contests on the ballot and give warning messages if there are any issues with the ballot, such as an undervote or a blank contest. If the voter wishes to modify a contest, they simply touch that contest from the review screen and they will be taken directly to that contest page to that they can update their selection(s).

Once the voter has reviewed their ballot and is satisfied with their selections, they are ready to print or cast their ballot.

If the ImageCast X is configured as a BMD, the voter will be given the option to “Print Ballot,” and a paper ballot with all the voter’s selections will be printed from a connected printer directly in the voting booth. The printed choice summary ballot contains a written summary of the voter’s choices, as well as a 2D barcode which is read by Dominion’s ImageCast tabulators. Once the ballot is printed, the voter can either deposit it in the ballot box for tabulation on the ImageCast Central at the elections office, or they can scan their ballot on the ImageCast Precinct for tabulation directly in the precinct. No voter selections are stored on the ImageCast X BMD.





If configured as a DRE with VVPAT, once the voter has completed their on-screen review of their ballot choices, the system will print a summary of the voter's choices for their review on the connected VVPAT printer. The voter will have the opportunity to verify their selections on the VVPAT paper record prior to the final electronic record being recorded. The ImageCast X DRE with VVPAT allows every voter to review, accept, or reject his or her paper record privately and independently. If the voter accepts the paper record, the individual votes and vote totals will then be stored directly on the device's redundant memory. If the voter rejects or spoils the VVPAT paper

record, the VVPAT will record that the record is void, and keep a running record of all cast and spoiled ballots. The voter will then have the opportunity to return to their voting session and make any changes. Every electronic record has a corresponding paper record copy.

### Accessibility

Designed as a voting solution for all, the ImageCast X also offers several options for voters with accessibility needs to vote in a private and independent manner. The ImageCast X offers the following user interfaces:

- Visual mode: Voter navigates their ballot using one of the available accessibility tools and the visual display
- Audio mode: Visual display can be disabled and the voter uses headphones to navigate an audio ballot using one of the available accessibility tools
- Visual and Audio Mode: Voter navigates their ballot using one of the available accessibility tools, the visual display, and the audio ballot

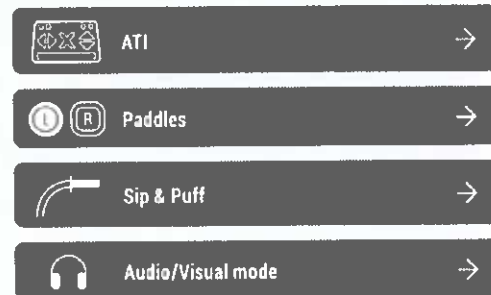
In addition to the touchscreen functionality, the ImageCast X is compatible with a range of accessibility devices that voters can use to navigate through the ballot and mark their selections. The system is compatible with Dominion's hand-held controller called the Audio Tactile Interface (ATI), sip and puff device, or a 2-switch paddle device.

The Audio Tactile Interface (ATI) is the handheld device that is used by a voter during an Accessible Voting Session to navigate through and make selections to their ballot. The ATI:

- Has raised keys that are identifiable tactilely without activation (i.e. raised buttons of different shapes and colors, large or Braille numbers and letters)
- Can be operated with one hand
- Includes a 3.5 mm headphone jack
- Includes a T-Coil coupling
- Has a T4 rating for interference
- Uses light pressure switches
- Can be equipped with a pneumatic switch, also known as a sip and puff device, or a set of paddles

Please select your preferred accessible voting device

Privacy mask



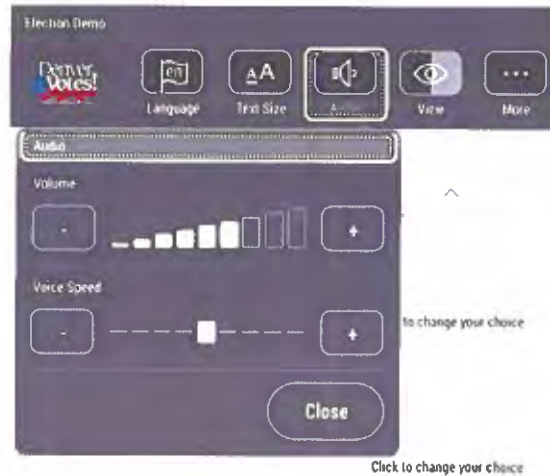
The ImageCast X is compatible with a range of accessibility tools and can present the ballot in audio only, visual only or both audio/visual mode.



The ImageCast X can present the ballot in audio only, visual only or both audio and visual modes, depending on personal preference. Voters can adjust the rate and volume of their audio ballot, as well as the text size and contrast of the display, or disable the display entirely for added privacy. Every voter configurable option is automatically reset to its default value with the initiation of each new voting session.

Voters are able to review, verify and correct their selections prior to printing their ballot, by audio and/or visual means. Voters are warned if they have skipped, or undervoted a contest, and have the opportunity to go back and correct their selections.

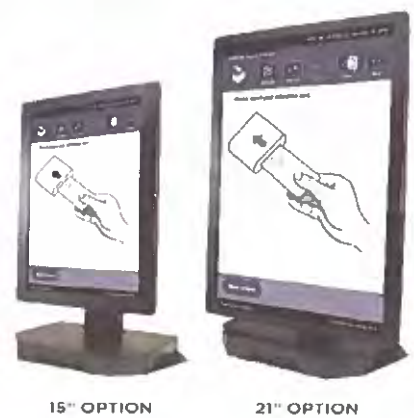
In the BMD configuration, once the voter has completed their audio review and confirmed their ballot, the ImageCast X will print a paper ballot with the voter's selections. The voter can then deposit their ballot in the ballot box for tabulation on the ImageCast Central at the elections office, or they can scan their ballot on the ImageCast Precinct for tabulation directly in the precinct. No voter selections are stored on the ImageCast X BMD.



Voters can adjust the rate and volume of their audio ballot.

In the DRE with VVPAT configuration, once the voter has completed their audio review and confirmed their ballot, the ImageCast X will print a paper record on the connected VVPAT printer. The VVPAT has an internal scanner that will scan the 2D barcode on the VVPAT paper record and provide an audio review of what is on the VVPAT record to the voter. Dominion Voting is the only vendor that can provide audio playback review of the VVPAT record for an accessible voting session.

The ImageCast X features the latest technological advances in accessible voting technology, providing more options for voters with accessibility needs to vote privately and independently.



The ImageCast X offers a variety of hardware options, including numerous platforms and sizes to better fit your needs.

## ImageCast Evolution

### Product Description and Features

The ImageCast Evolution unit is a precinct-level, digital scan, ballot marker and tabulator that is designed to perform three major functions:

- Ballot scanning and tabulation
- Ballot review and second chance voting
- Accessible voting and ballot marking



*ImageCast Evolution, Audio Tactile Interface, and Dominion Ballot Box*

The ImageCast Evolution is Dominion's most advanced and simple to use tabulator. It features a full LCD interface that presents a unique, all-in-one digital ballot scanning and internal ballot

marking solution. The ImageCast Evolution was designed to exceed the requirements of the EAC VVSG 2005.

The ImageCast Evolution functionality includes scanning and ballot marking for all targets on ballots ranging from sizes of 8 ½” inches by 11” to 22” inches in length. The ImageCast Evolution provides several different options for certain ballot parameters. For example, a jurisdiction can configure the ImageCast Evolution to automatically accept, reject or divert a ballot under certain conditions. Additionally, it can be configured to alert the voter or operator of any errors that require further action to be taken.

Voters make their selections by filling in the voting targets next to their choices on a paper ballot. The voter then inserts the ballot directly into the ImageCast Evolution, which performs the following functions:

- Scans the ballot.
- Alerts the voter of any errors on the ballot, with or without full ballot review on.
- Interprets the digital image of the ballot and appends to the bottom of the image a record of how that ballot was interpreted by the machine (AuditMark).
- Redundantly stores and tallies the results.
- Prints cumulative totals of all votes cast after the polls have been closed.

The ImageCast Evolution is equipped with an ultra-sonic multi-feed detector that prevents the device from accepting more than one ballot at a time. Dominion has developed secure ballot paper that if used, is detected by the unit. If the paper is a copy or not a valid ballot, the unit will reject the ballot.

#### **Accessibility**

The ImageCast Evolution is equipped with an integrated ballot-marking device for voters needing additional assistance. It is the only optical scan tabulator using a single ballot path which does not require the voter to have to go to an additional unit to cast the vote.

Accessible voting sessions can be presented on the main 19” LCD display or on an optional secondary display which can be tethered to the unit. The secondary display allows for simultaneous regular and accessible voting sessions – while an accessible voting session is in progress on the second display, other voters can continue to scan and cast their ballots on the ImageCast Evolution.

The lightweight secondary display connects to the ImageCast Evolution using a single cable, making setup simple and fast. The display’s slim, compact design requires no assembly, and it is easy to handle, store and set up.





*ImageCast Evolution with Dual Display allows for simultaneous accessible and standard voting sessions.*

In addition, the ImageCast Evolution features **several accessible voting interfaces** that allow voters with various disabilities to effectively vote, review and cast a paper ballot in a private and independent manner. The ImageCast Evolution offers the following user interfaces:

- 19" LCD, full-color screen for visual ballot review and ballot casting.
- Accessible ballot marking interface (both audio and visual).
- Assistive input devices for accessible ballot navigation and voting, including an ATI (Audio-Tactile Interface), sip and puff, and paddles.

The accessible voting session uses a hand-held controller called an ATI (Audio Tactile Interface) that connects to the ImageCast Evolution via the port located on the right side of the unit. A set of headphones connects directly to the ATI controller. Following the audio voting process using the ATI controller, the integrated inkjet printer produces a marked paper ballot which serves as the official ballot record. Voters are able to review, verify and correct their selections prior to casting their ballot by audio and/or visual means.

The display can be adjusted using the zoom and contrast buttons. The contrast button allows the voter to display the screen image in high contrast (high contrast is a figure-to-ground ambient contrast ratio for text and informational graphics of at least 6:1). There are three different zoom levels in order to provide an enlarged ballot for voters with visual impairments.

Every voter configurable option is automatically reset to its default value with the initiation of each new voting session.

Dominion uses a library of human hand marks and writing to mark a ballot via the accessible voting session, which **makes machine-marked ballots indistinguishable from hand-marked ballots, truly protecting the privacy of disabled voters.**

The ATI is the handheld device that is used by a voter during an Accessible Voting Session to navigate through and make selections to their ballot. The ATI:

- Has raised keys that are identifiable tactilely without activation (i.e. raised buttons of different shapes and colors, large or Braille numbers and letters)
- Can be operated with one hand
- Includes a 3.5mm headphone jack
- Includes a T-Coil coupling
- Has a T4 rating for interference
- Uses light pressure switches
- Can be equipped with a pneumatic switch, also known as a Sip and Puff device, or a set of paddles.



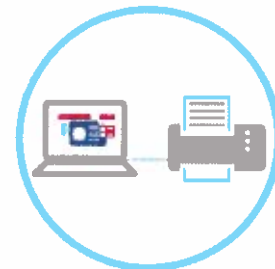
### Standard Features


- 200 dpi scanner with AuditMark vote cast record for improved transparency
- Internal diverter which automatically diverts write-in ballots
- 19" LCD, full color display for an intuitive user experience
- Ballot scanning and tabulation, ballot review and second chance voting, accessible voting and ballot marking functionality in one device
- Integrated printer for ballot marking that uses a randomized oval marking pattern for disabled voters ensuring voter privacy
- Optional Dual Display for simultaneous accessible and standard voting sessions
- Integrated hardware and software ballot security features
- Easy on/off functionality – just raise or lower the screen
- Dual, redundant compact flash memory cards
- Tabulator status signal pole, optional
- Three-inch integrated thermal printer for report printing
- Multi-lingual audio-visual support for each voter
- Adjustable screen angles with integrated privacy shield and screen over for main display
- Security access doors and interface port security status indicators
- Functional and manufacturing diagnostics for integrated printer and LCD display

## Mobile Ballot Printing Module

### Highlights

- **Simple:** No unnecessary complexity – simple interface and voter registration integration makes it easy for election staff to quickly print the correct ballot style for each voter.
- **Secure:** Strong auditability features ensure security and transparency.
- **Flexible:** The Mobile Ballot Printing module is hardware “agnostic,” giving you the flexibility to use your existing print hardware or leverage other commercially available off-the-shelf (COTS) printers.
- **Efficient:** Save on additional printing and storage costs associated with having to provide multiple ballot styles to ever “Vote Anywhere” location.





The Mobile Ballot Printing Module allows you to easily print ballots for any election whenever and wherever needed – at the central office, at the precinct, or other remote locations. The system is fully integrated with Democracy Suite.

The system is portable and simple to set up in any location. Since the system is hardware “agnostic,” the jurisdiction has the flexibility to use their existing print hardware or leverage other commercially available off-the-shelf printers that print high-quality paper ballots. Not all systems can offer this flexibility in printer choice.

The user-friendly interface, along with integration with a variety of voter registration systems and e-poll books, makes it easy for election staff to quickly print the correct ballot style for each voter. The Mobile Ballot Printing module simplifies ballot management and logistics – you no longer need to worry about stacks of different ballot styles in the precinct and about estimating the correct number of ballots to print.

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## In-Precinct Scanning Solution

On the following pages, Dominion has provided a high-level overview of our In-Precinct scanning solutions available to the State of Ohio, the ImageCast Central and the ImageCast Precinct.

### ImageCast Central – Scalable and Efficient High-Speed Scanning

#### Highlights

- Dominion’s ImageCast Central tabulation system was **designed with efficiency in mind**. Most central count solutions that exist in the market today are large, expensive, proprietary solutions that are not scalable, efficient or easy to use or maintain.
- The ImageCast Central makes use of industry-leading **commercial-off-the shelf (COTS) hardware** to decrease capital costs and minimize risk of hardware failure. So no matter the size of the county, adding multiple COTS scanners increases efficiency without breaking the bank.
- The ImageCast Central is **engineered for operational simplicity**.
  - **Step 1:** The user loads a batch of ballots and presses ‘scan’ – Simple!
  - **Step 2:** When the batch scan is complete, the user presses ‘accept’ – Easy! The ImageCast Central continues scanning ballots until there are none left.



Dominion’s ImageCast Central, like all of our ImageCast products, stores the ballot image with the secure AuditMark. The system’s flexibility allows the jurisdiction to customize out-stacking conditions, such as overvotes, undervotes, marginal marks, and certified write-in contests. The ImageCast Central has all the tools election officials are looking for to make their central count process easy and more efficient.

With the ImageCast Central count solution, Dominion focused its efforts on how to create efficiency using lower cost, off-the-shelf scanners which meet the VVSG 2005 standards and software that streamlines the process.

The software is intuitive and requires minimal training for users. It is simple – the operator loads the batch into the scanner; presses scan. When complete, the operator presses the accept button and moves on the next batch. The operator does nothing but process the ballots. The system's intelligence does the rest. Along with the requisite COTS hardware, the ImageCast Central provides ample flexibility to meet the needs of small, medium and large jurisdictions. ImageCast Central allows jurisdictions to consolidate results in an efficient environment, in real time.....



Jurisdictions can add ImageCast Central units to maintain efficiency while remaining cost-effective.

This use of less expensive and compact third-party devices enables the ImageCast Central count solution to offer higher sustained throughputs in the face of hardware failures, flexible site layouts when space is at a premium and access to a vast pool of readily available replacement parts and certified technicians. All of these factors translate to improved maintainability and a lower cost of ownership.

Central scanning is typically used to process absentee or mail-in ballots. The election definition is taken from EMS, using the same database that is utilized to program any precinct scanners for a given election. Multiple ImageCast Central scanners can be programmed for use in an election. The ImageCast Central application is installed and later initialized on a computer attached to the central count scanner. Ballots are processed through the central scanner(s) in batches based on jurisdictional preferences and requirements.

The ImageCast Central stores ballot images by scanned batches. The scanned ballot images are migrated to the Election Management System through computer networking or removable media. As with results data from any precinct scanners in use for an election, Results Tally and Reporting is the portion of EMS that processes the images to provide tabulation and operational reports to the jurisdiction.

Batches can be appended, deleted and processed in a number of ways to suit typical election workflows, intake of ballots before, during, and after Election Day, jurisdictional requirements surrounding absentee ballot tabulation, and canvassing needs. The ImageCast Central also



features all of the technological advances present in the precinct-level tabulators – the AuditMark and the Dual Threshold technology.



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## ImageCast Precinct

### Product Description and Features

The ImageCast Precinct (or ICP) tabulator is a lightweight, robust and easy-to-use automated paper ballot tabulation system.

The system is designed to scan marked paper ballots, interpret voter marks on the paper ballot and safely store and tabulate each vote from each paper ballot. The ImageCast Precinct reads single and double-sided ballots in four orientations and accepts striping and colored headers to distinguish ballots. Used in conjunction with the required consumables, supplies, and software, the ImageCast Precinct forms a complete tabulation system accessible audio voting capabilities.

In Democracy Suite 5.5, the ImageCast Precinct is also capable of reading and tabulating the choice summary ballots produced the ImageCast X, which include a 2D barcode read the scanner, as well as a human-readable text summary of the voter's selections.



with  
on  
by

*ImageCast Precinct, with the Accessible Voting Handheld Controller (ATI), with Braille labels and buttons of different colors and shapes for visually-impaired voters*

The ImageCast Precinct is the most reliable optical scanner ever developed, with major deployments including 82,000 units in Philippines, 11,000 units in New York, and 2,500 units in Mongolia. Most recently, over 6,000 ImageCast Precinct units were successfully deployed in the Commonwealth of Puerto Rico for their 2016 elections.

The ImageCast Precinct is designed to be “plug and play,” making it very straightforward and quick to set up for poll workers. The ImageCast Precinct will power on upon plugging in the AC power cord. The poll worker will apply their iButton and enter their credentials to open the polls and print the zero tape, and the ImageCast Precinct tabulators are ready to commence standard voting and accept ballots.

At the polling place, the voter makes their selections by filling in the voting targets next to their choices. The voter then inserts the ballot directly into the ImageCast Precinct, which performs the following functions:

- Scans the ballot
- Interprets the digital image of the ballot and appends to the bottom of the image a record of how that ballot was counted on Election Day (known as the AuditMark image).

- Redundantly stores and tallies the results
- Prints cumulative totals of all votes cast after the polls have been closed

### **Accessibility**

The ImageCast Precinct can also be used as an accessible voting device in various configurations. The ImageCast Precinct provides the voter with an ATI (Audio Tactile Interface) and a set of headphones for the voter to navigate through an audio version of the ballot, make their selections, and cast their votes. The vote record is stored electronically and redundantly.

First, the voter places headphones over their ears and if needed, attaches any expandable device (such as a sip and puff device) if needed. The headphones have disposable sanitary coverings. The ATI unit provides non-visual ballot access using a method that includes touch controls, audible speech, sip and puff, and/or paddles.

The election administrator initiates the accessible voting session through the administration screen on the LCD and selecting the appropriate ballot style for the voter (equivalent to handing a voter a paper ballot). The voter is then led, via audio instructions, to navigate their way through the ballot. They select their ballot choices via the ATI, which allows for under voted contests, spoiled, but not over voted contests.

When the voter has finished marking their ballot, the voter selections are read back to the voter via the same audio interface, and the voter has a chance to either confirm or reject the confirmation. This includes under vote warnings for each contest. If rejected, the ballot is cancelled. If the ballot is confirmed, the ballot is automatically stored in the exact same manner as all other accepted ballots. This is confirmed with the voter and no further voting actions can occur.

All tabulator information presented to voters using paper ballots, including instructions, warnings, errors and other messages regarding ballot choices, are presented to the voter performing audio verification.

The ATI of the ImageCast Precinct accessible voting station provides the same capabilities to vote and cast a ballot as are provided by the paper-ballot voting process. The ATI:

- Has raised keys that are identifiable tactilely without activation (i.e. raised buttons of different shapes and colors, large or Braille numbers and letters)
- Can be operated with one hand
- Includes a 3.5 mm headphone jack
- Includes a T-Coil coupling
- Has a T4 rating for interference
- Uses light pressure switches
- Can be equipped with a pneumatic switch, also known as a Sip and Puff device, or a set of paddles.
- The ATI is tethered to the ImageCast Precinct and can extend up to fifteen feet from the unit.
- No key control has a repetitive effect as a result of being held in active position.



### **Standard Features**

- 200 dpi scanner with AuditMark vote cast record for improved transparency

- Security detector (optional)
- Internal diverter which automatically diverts write-in ballots
- LCD display provides voter and poll worker feedback messages
- VVSG 2005 security
- Dual, redundant compact flash memory cards
- Ultra-sonic multi-feed detector that prevents the device from accepting more than one ballot at a time



The ImageCast Precinct – a lightweight but robust and versatile tabulator



ImageCast Precinct on the Dominion Ballot Box

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## Adjudication – Simplifying the Ballot Auditing Process

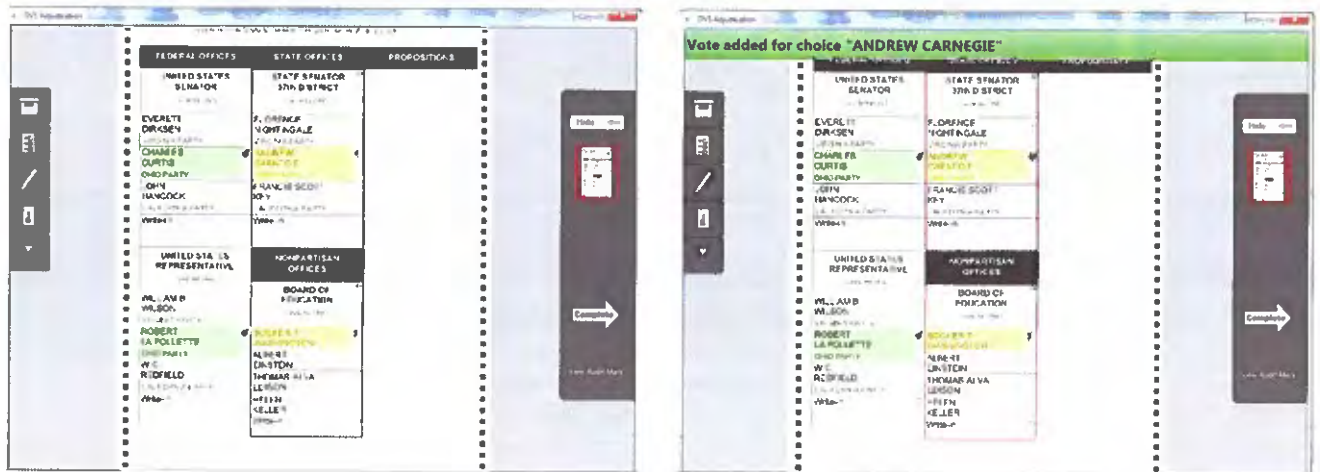
### Highlights

- A ground-breaking multi-user digital ballot review and adjudication tool that allows the State or individual county to complete central count ballot processing from end-to-end without compromising transparency or accuracy. Adjudication has been provided as an optional item for this ITB.
- As ballots are being scanned on the ImageCast Central, the Adjudication software electronically outstacks ballots, in real time, that need to be reviewed for conditions – ranging from overvotes, undervotes and marginal marks to certified write-in contests.
- The users log into the secure system and begin reviewing ballots as they are scanned. Each ballot scanned in our system has an AuditMark. ImageCast Adjudication takes the power of our patented AuditMark technology to the next level. This is accomplished by appending adjudication decisions to the original ballot image and producing a transparent easy to read chain of custody and activity log.
- ImageCast Adjudication has a complete activity log that records all executed and attempted actions on the system, so that clarifying voter intent is made not only easy but also transparent. Now anyone reviewing the ballots will be able to see how the voter marked their ballot, how the scanner interpreted the intent and then how the ballot was adjudicated.
- The application log can be audited team by team, dramatically improving the efficiency and shortening the central count process.
- Dominion is committed to adding further functionality to the ImageCast Adjudication application. Currently, Provisional Ballot adjudication is in development.

The Adjudication application is a stand-alone module that allows for the efficient processing of ballots that require resolution of voter intent on a ballot-by-ballot basis during the post-voting stage of an election. Dominion has included pricing for Adjudication as an optional offering as part of this ITB.

Adjudication has been developed to accept ballot files from ImageCast Central. After analysis and correction, the ballot files are sent to the EMS Results Tally and Reporting application for tally and reporting. The primary function of the Adjudication application is to create an automated process that allows ballots with exceptions or “outstack” conditions – such as overvotes, undervotes, blank ballots, marginal marks, major contests and certified write-ins – to be resolved on-screen and sent to tally. **This eliminates the need for additional costs, time and resources spent on duplicating and re-scanning ballots.**

The Adjudication application can be utilized real time as the jurisdiction sees fit. The Adjudication application adds to the efficiency of Dominion's ImageCast Central count system by making it scalable to as many reviewing teams as needed for the jurisdiction. The outstacked ballots will appear on the screen for the team to review as they come available. This creates efficiencies that have never been seen in elections before.



Adjudication Application in use – The first screen shows the contests that need review highlighted with a red box, and candidates with marginal marks highlighted in yellow. The second screen shows a vote being adjudicated for Andrew Carnegie.

## Optional Software Modules

### Automated Test Deck Generator



Dominion offers the Automated Test Deck Generator module as a means for the State or County to create their own automated, comprehensive test decks for efficient Logic and Accuracy testing. Using the election project database, a series of vote-marked ballots are generated based on a computer algorithm designed to provide the highest assurance of system accuracy. When scanned, these automated test deck ballots create known outcomes that can be compared with the tabulated results.

The test decks provide verification of both the quality of the printed ballots as well as the correctness of each ImageCast Central tabulator's programming. The elimination of error due to mistakes in hand-marking ballots for Logic and Accuracy testing provides a high degree of confidence in the test results. The Automated Test Deck Generator module will help save time and resources for Logic and Accuracy without compromising accuracy.

### Electronic Ballot Delivery –ImageCast Remote (UOCAVA)



Dominion's ImageCast Remote UOCAVA system offers a secure and efficient means for overseas and military voters to receive, mark, print and return their ballot to their local elections office. The ImageCast Remote UOCAVA system ensures the security and transparency of the balloting process while preserving the privacy of UOCAVA voters.

Fully integrated and supported by Democracy Suite, the ImageCast Remote UOCAVA system allows election officials to conduct a seamless election, without the need for a separate database or election project.

Ballots returned by UOCAVA voters can be processed on the ImageCast Central, **eliminating the need to duplicate ballots or process UOCAVA ballots on a separate system.**

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## Results Accumulation and Transmission

Dominion offers several solutions for transferring results files from the ballot marking devices and in-precinct scanners/tabulators. Below we describe transfer methods that would be available to customers in Ohio. Ultimately, the method of transmission will be determined by the State based on local, regional, and state requirements and limitations.

### Wire-based transmission

One option available is similar to the receiving stations where removable media is transported to regional centers for remote tally. Memory cards, with encrypted vote totals, are taken from the ImageCast tabulators to regional tally locations.

At the hub, the memory cards are inserted into a card reader connected to a Results Transfer Manager client laptop with a secure Internet connection. The Results Transfer Manager will automatically upload the encrypted results files, and transmit them to the ImageCast Listener server, in a manner similar to results sent via modem. Once the files are received, they are available for loading into the Results Tally & Reporting module of the EMS system.

### Physical Transfer

The ImageCast Evolution and ImageCast Precinct use two Compact Flash (CF) memory cards as their removable storage media. During ballot tabulation, ImageCast tabulators save the election files, ballot images and log simultaneously to both CF memory cards. The Primary CF card contains set of data files that defines the election, the tabulated results file, the ballot images, and the log file. The Administrative CF card holds a copy of the election results, images, and audit log. The files stored on these cards allow for recovery from any conditions that might cause the equipment to become inoperable. On the ImageCast tabulators, when an estimated 512 MB is used for the election database, audio files, etc. (typical), the remaining space is allocated for storing ballot images. An 8GB memory card can hold approximately 13,500 8.5" x 20" double-sided ballots, and approximately 22,400 8.5" x 20" single-sided ballots. If required, a CF card with a larger capacity can be used.

The ballot images are given a random ID number as their file name, and when the images are extracted by the Results Tally & Reporting client application, they are randomized, thus ensuring the ballot images are de-coupled from voter order. All results files can be encrypted and are digitally signed.

The paper ballot acts as the final CVR. In case of system failure, the ballots in each ballot box can be rescanned on a different tabulator, on either an ImageCast Evolution, ImageCast Precinct or ImageCast Central.

The process for reading and tabulating votes from the ImageCast Evolution and ImageCast Precinct is simple. It requires uploading the content from the encrypted compact flash memory cards into the Results Tally & Reporting application, from where the results can be validated and published, ready for reporting. The flash memory cards are not proprietary and can be purchased from Dominion or a third-party vendor.

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## Appendix B – Attachments

Dominion has included the following attachments and supplemental materials. Dominion is happy to discuss further upon request.

- Supplemental Pricing in Excel Format (Attachment #1)
- Commercial Off-the-Shelf Listing for 5.5 (Attachment #2)
- Consumable Supply Chain Listing for 5.5 (Attachment #3)
- 5.5 EAC Certification (Attachment #4)
- Sample Instructional Materials (Attachment #5)
- Sample Hardware, Software, and Managed Service Agreement Contracts (Attachment #6)
- Sample Acceptance Test Checklists for Equipment (Attachment #7)

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## Attachment #1 – Master Sheet Pricing

In addition to the required pricing documents provided by the State of Ohio, Dominion has provided an Ohio-specific master pricing table based on unit price. Dominion is happy to provide more information upon request.

DESCRIPTION	UNIT PRICE
<b>Central Scanning Solution: Absentee/Central Count</b>	
<b>ImageCast Central Kit: Canon DR-G1130 high speed document scanner</b> Includes: ImageCast Central Software Dell Optiplex 7440 All-in-One, iButton programmer and key, cables	\$25,000.00
<b>ImageCast Central Kit: Canon DR-X10 C high speed document scanner</b> Includes: ImageCast Central Software Dell Optiplex 7440 All-in-One, iButton programmer and key, cables	\$40,000.00
<b>Canon DR-G1130 high speed document scanner ONLY</b>	\$9,750.00
<b>ImageCast Central Kit: Canon M160II Document scanner</b> Includes: ImageCast Central Software Dell Optiplex 7440 All-in-One, iButton programmer and key, cables	\$7,500.00
<b>In-Person Voting Solution: Polling Location Hardware</b>	
<b>ImageCast Evolution (ICE)</b> Internal Battery, Internal Modem, Printer w/ Paper Roll, 2x Flash Memory Cards, 2x iButton	\$7,200.00
<b>ImageCast Precinct (ICP)</b> Tabulator/Scanner, Internal Battery, Printer w/ Paper Roll, 2x 4G Flash Memory Cards, 2x iButtons	\$3,900.00
<b>ImageCast Precinct Plastic Ballot Box</b>	\$1,000.00
<b>Canvass Ballot Box for Central Scan Ballots</b>	\$225.00
<b>ATI Accessible Voting Kit</b>	\$240.00
<b>ImageCast X BMD (21 inch)</b> Kit Includes: ICX Firmware, Tablet, 5 Voter Activation Cards, Printer, Cable, Power Cords	\$3,500.00
<b>Universal Power Supply (UPS) for ICX BMD</b>	\$495.00

<b>ImageCast X DRE w/ VVPAT (21 inch)</b> Kit Includes: ICX Firmware, Tablet, 5 Voter Activation Cards, VVPAT, Cables, Power Cord	\$3,500.00
<b>Audio Tactile Interface (ATI)</b> <b>Accessible Unit</b>	\$375.00
<b>ICX VA (Voter Activation Station)</b> Kit Includes: Dell Laptop, ICX Activation software, Smart Card Reader/Writer	\$1,200.00
<b>ImageCast X Privacy Screen –</b> <b>Standard</b>	\$15.00
<b>ImageCast X Voting Booth – Standard</b>	\$250.00
<b>ICX Report Printer</b>	\$270.00
<b>Mobile Ballot Printing (MBP) Kit Oki</b> <b>Data C331DN</b> Kit includes: MBE Software, Printer, Dell Laptop, Cables	\$3,650.00
<b>Mobile Ballot Printing (MBP) Kit Oki</b> <b>Data C711</b> Kit includes: MBE Software, Printer, Dell Laptop, Cables	\$5,800.00
<b>Mobile Ballot Printing (MBP) Kit Oki</b> <b>Data C931E</b> Kit Includes: MBE Software, Printer, Dell Laptop, Cables	\$11,560.00
<b>Extras</b>	
<b>ICP Tech Key (Blue)</b>	\$25.00
<b>ICP Memory Cards 8GB</b>	\$100.00
<b>ICX Voter Cards</b>	\$8.00
<b>ICX Poll Worker Smart Card</b>	\$8.00
<b>ICX Technician Smart Card</b>	\$8.00
<b>8GB USB Flash Drive</b>	\$17.00
<b>ICX Prime BMD Bag Kit</b>	\$120.00
<b>ICX Prime Transport Bags</b>	\$60.00
<b>VVPAT Transport Bags</b>	\$30.00
<b>VVPAT</b>	\$850.00
<b>VVPAT Paper Rolls</b>	\$4.00
<b>Backup Battery</b>	\$168.00
<b>Dual Bay Battery Charger</b>	\$165.00
<b>Election Management Hardware</b>	
<b>Democracy Suite EMS Standard</b> <b>Server Configuration Kit – Up to 7</b> <b>Clients</b>	\$17,000.00
<b>Democracy Suite EMS Express Server</b> <b>Configuration Kit – Up to 7 Clients</b>	\$7,000.00
<b>EMS Client Workstation Configuration</b> <b>Kit</b>	\$2,500.00
<b>Adjudication Workstation Kit</b>	\$1,900.00

EMS Report Printer- E310dw	\$250.00
<b>Software</b>	
Democracy Suite (EMS) Level 9 (>850K)	\$700,000.00
Democracy Suite (EMS) RTR ONLY Level 9 (>850K)	\$400,000.00
ICC Adjudication Application – Level 9 (>850K)	\$150,000.00
Automated Test Decks Level 9 (>850K)	\$52,500.00
Mobile Ballot Printing Level 9 (>850K)	\$30,000.00
ImageCast Election Night Reporting Level 9 (>850K)	\$105,000.00
ImageCast Remote UOCAVA Level 9 (>850K)	\$20,000.00
Rank Choice Voting	\$350,000.00
<b>Support Services</b>	
Project Management	\$2,500.00
Product Implementation and Support	\$2,000.00
Training	\$2,000.00
<b>Election Support</b>	
Election Set Up (Ballot Layout, Test Deck, Media)	\$20,000.00
3 Day Election On-Site Support	\$4,500.00
On-Site Support	\$2,000.00
Logic and Accuracy Support (1 person, 1 day per election)	\$2,000.00
<b>Annual Licenses</b>	
Democracy Suite (EMS) Level 5 (125k-250k)	\$34,000.00
Democracy Suite (EMS) RTR ONLY Level 9 (>850k)	\$35,000.00
ICC Adjudication Application Level 9 (>850k)	\$30,000.00
Automated Test Decks Level 9 (>850k)	\$10,500.00
Mobile Ballot Printing Level 9 (>850k)	\$6,000.00
ImageCast Election Night Reporting Level 9 (>850k)	\$105,000.00
ImageCast Remote UOCAVA Level 9 (>850k)	\$4,000.00
Rank Choice Voting	\$70,000.00
ICC Annual Firmware License – G1130	\$2,575.00
ICP Annual Firmware License	\$228.00
ICX-BMD (21 inch) Annual Firmware License	\$95.00

<b>ICX-DRE w/VVPAT (21 inch) Annual Firmware License</b>	\$95.00
<b>Warranty and Maintenance</b>	
<b>ImageCast Central Kit: Canon DR-G1130</b>	\$1,500.00
<b>ImageCast Precinct (ICP)</b>	\$135.00
<b>ICX – BMD (21 inch)</b>	\$105.00
<b>ICX-DRE w/VVPAT (21 inch)</b>	\$105.00
<b>Mobile Ballot Printing (MBP) Kit Oki Data C331DN</b>	\$1,160.00
<b>Mobile Ballot Printing (MBP) Kit Oki Data C711</b>	\$3,170.00
<b>Mobile Ballot Printing (MBP) Kit Oki Data C931E</b>	\$7,500.00



## Attachment #2 – Commercial Off-the-Shelf Listing for 5.5

Product	Make Model
<b>EMS COTS HARDWARE PRODUCTS</b>	
USB to Wire iButton Adapter	Dallas Maxim DS9490R#
Single iButton touch and hold reader/programmer	Dallas Maxim DS1402-RP8+
USB 3.0 UDMA Card Reader – Hoodman	Hoodman STEELUSB3
UPS, 1.5KVA, Tower Model	APC SMT 1500
UPS, 1KVA, Tower Model	Dell BR1000G
Lexar Professional USB 3.0 Dual Slot Reader (UDMA 7)	Micron Consumer Products Group, Inc. (Lexar) LRW 400CRBNA
Kingston USB 3.0 High-Speed Media Reader	Kingston FCR-HS4
USB, 1.5KVA, Rack Mount, 2U	Tripp Lite Smart 1500RML2U
Mini Server Rack 12U – Startech	Startech RK1236BKF
Monitor – 24” LED HD	Dell P2417H
Keyboard and Mouse Combo, USB	Logitech 920-0002565
Patch Cable, Cat6, 25 ft., white	Dcables.net R19351/-WH
Ethernet Switch, 8 ports	Dell x1008
Ethernet Switch, 24 ports and 2 IGBE SFP Uplink Ports	Dell x1026
Server	Poweredge R630 Rack Server w/ Windows Server 2012 R2 and SQL Server 2016 – W/ 5 calcs
Workstation	Dell Precision T3420 SFF 8Gb RAM, 500 GB HDD, WIN 10 Pro
Workstation	Dell Precision T3420 16 GB RAM, 2x 500 Gb HDD, RAID 1, WIN 10 Pro
Server	Poweredge R640 Rack Server w/ Windows Server 2012 R2 and SQL Server 2016
<b>ICC COTS HARDWARE PRODUCTS</b>	
iButton Key Ring Mounts – Black	Black Dallas Maxim DS9093A+
USB to 1 wire/iButton Adapter	Dallas Maxim DS9490R#
iButton 4KBIT Read/Write Data Carrier	Dallas Maxim DS1963-F5+
Single iButton touch and hold reader/programmer	Dallas Maxim DS1402-RP8+
Scanner	ICC Scanner – DRG1130 Canon 8073B002
Scanner	Canon Image Formula Dr-M1601I Sheetfed Scanner – 600 DPI Optical canon 0114T279
Flash Drive	Centon Electronics Inc., S4-CM-U3P2-8.1
Flash Drive	Centon Electronics Inc., S4-CM-U3P2-16.1
Patch Cable, 25 ft. white	Dcables.net R19351/-WH
AIO Desktop	Dell 7440, 8Gb, 500 Gb, HDD; WIN 10 Pro Dell

AIO Desktop	19.5 in. Touch Desktop (Dell Optiplex AIO 3050), 8 Gb, 500 Gb HDD; WIN 10 Pro Dell
<b>ICP COTS HARDWARE PRODUCTS</b>	
iButton Key Ring Mounts	Dallas Maxim DS 9093A+
iButton 4bit Read/Write Data Carrier	Dallas Maxim DS 1963S-F5+
Headphones, Stereo Soft Foam Ear Pad with Adjustable Plastic Headband	Cyber Acoustics, LLC ACM-70B
CAT 5E Patch Cable – 7 ft. – Blue	Dcables.net R19330/-BL
CAT 5E Shielded FTP Patch Cable – 15 ft.	Dcables.net R19333
USB A to B Printer Cable v2.0 Black – 15 ft.	Dcables.net R21196
Paddle, 2.5" Diameter Single, 3.5mm Mono Plug	AbleNet Inc. 10033400
Compact Flash Memory Card	8 Gb Sandisk SDCFHS-008G
Compact Flash Memory Card	16 GB Centon Electronics Inc. C4-CM-CF-16.4
Latch Kit, ICP Coroplast BB	Productive Plastics, Inc. 172-000016
ATI	GGI International ATI REV 1.10 (eATI)
<b>ICVA COTS HARDWARE PRODUCTS</b>	
Smart Card Reader	Advanced Card Systems (USA) Ltd. ACR39 Series PC-Linked
Laptop	Dell Latitude E3470, 4Gb RAM, 500 Gb HDD, WIN 7 and 10 Pro
Laptop	Dell Latitude E3480 (1366 x 768), 4Gb RAM, 500 Gb HDD, WIN 10 Pro
Laptop	Dell Latitude E7470, 16 Gb RAM, 256 Gb SSD, WIN 10 Pro
<b>ICX BMD/DRE/DRE with VVPAT COTS HARDWARE PRODUCTS</b>	
Backup Battery – ICX Classic – Lithium Ion (10 mins)	Avalue Technology Inc., ACC-BAT-3S1P-01R
Backup Battery – ICX Prime – Lithium Ion Installed with Battery Tray (2 hours)	Avalue Technology Inc., ACC-HBX-4S1P-01R
Headphones, Stereo Soft Foam Ear Pad with Adjustable Plastic Headband	Cyber Acoustics, LLC ACM-70B
Paddle, 2.5" Diameter single, 3.5mm mono plug	AbleNet Inc. 10033400
UPS, 1.5KVA, Tower Model	Dell BR1000G
UPS 1.5KVA, Tower Model	APC SMT1500
Stereo Breakout Cable, 3.5mm Stereo male to dual 3.5mm Mono Female, 6" long	Hosa Technology, Inc. YMM-261
Smart Card Reader,	Advanced Card Systems (USA) Ltd. ACR38U-11ACSE112C
Smart Card, Multi-Application and Purse Card (Contact) 64KB	Advanced Card Systems (USA) Ltd. ACOS6-C6AACSA
Printer HP Laser Jet Pro Monochrome	Hewlett Packard C5F94A#BGJ
APC Backups BE600M1, 600VA, 120V, 1 USB Charging port	APC BE600M1
ICX VVPAT Printer	KFI SRL 702-75250014A
USB 3.0 Flash Drive – 8Gb Centon	Centon Electronics Inc. S4-CM-U3P2-8.1

USB 3.0 Flash Drive – 16Gb Centon	Centon Electronics Inc. S4-CM-U3P2-16.1
ICX Report Printer	Seiko RP-D10-K27J1-U1C3
Printer HP Laser Jet Pro M402DNE – Monochrome – Laser	Hewlett Packard C5J91A#BGJ
Charger, ICX Prime Battery Pack Charger – Dual Bay	Totex Manufacturing Inc. U90054
Cable, USB 2.0 A Male to B Male Hi-Speed Cables with Ferrites	Keyjoy 131-00005
Cable, USB 2.0 A Male to Mini-B Male Hi-Speed Cables with Ferrites	Keyjoy 131-00006
Cable, Power, ICX Prime to Seiko Report Printer, with Ferrites	Keyjoy 131-00011
Cable ICX Prime Power Locking Pigtail Cable	Keyjoy 131-00014
Cable VVPAT Power Locking Pigtail Cable	Keyjoy 131-00015
ICX USB Audio to ATI Cable	Keyjoy 131-000566 Rev. 4
ATI-30U, Audio Tactile Interface -USB	GGI International 181-000036 Rev. A
ICX Prime, 21 in. Panel PC – Multi Touch with 1 backup battery	Avalue Technology Inc. HID-21V-BTX-01R
ICX Classic, 15.6 in. PCAP Touchscreen tablet PC with stand and Smart Card Reader with backup battery	Avalue Technology Inc. SID-15V-Z37-B1R
ICX Classic, 21.5 in. PCAP Touchscreen tablet PC with stand and Smart Card Reader with backup battery	Avalue Technology Inc. SID-21V-Z37-B1R

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## Attachment #3 – Consumable Supply Chain Listing for 5.5

Consumable Item	Dominion Part Number	Model/Specifications	Supplier/Manufacturer
Compact Flash and iButton Labels (100 Sheets)	118-000052	Blank labels for CF and iButton	Metagraphic Network, Inc.
Fine point black permanent markers (12 pack)	125-000001	Sharpie Marker, Fine Point, Black	Sanford, Also available at most office supply stores
Flash Memory Card 16Gb	123-000268	RiData RDCF16G-233XMCB2-I	RiData
Flash Memory Card 4Gb – SanDisk	123-000119	SCFHS-004G, RDCF8G-233XMCB2-I	Sandisk or RiData
Flash Memory Card 8Gb-SanDisk	123-000296	SDCFHS-008G	Sandisk
Centon 16Gb Flash Memory Card	123-000429	Centon	Centon
ICC iButton Security Key	171-000009	Item assembled by Dominion	Dallas-Maxim
ICC Scanner Cleaning Shets - X10C (30 pack)	141-000004	Canon Cleaning Sheets 2418B002	Canon
Centon USB 8Gb	123-000384	Centon	Centon
Centon USB 16Gb	123-000385	Centon	Centon
ICP Cleaning Sheet	141-000008		Tapecon Inc.
ICP iButton Security Key – Black	171-000009	Item assembled by Dominion	Dallas-Maxim
ICP iButton Security Key – Blue	171-000011	Item assembled by Dominion	Dallas-Maxim
ICP Lithium Battery	117-000512		Totex
ICP Paper Roll (72 foot)	123-000213	Archival thermal paper roll.	Printing Technologies Inc. (PTI)
ICP Paper Roll (96 foot)	123-000229	Archival thermal paper roll.	Printing Technologies Inc. (PTI)
ICP Privacy Folder	125-000018	Secrecy folder.	Metagraphic Networks Inc.
Sip and Puff Mouthpiece – Tube Style (10 pack)	123-000104	Accessibility device.	Enabling Devices
Seal – High Residue Label – 2”-9” Red	136-00043	NovaVision S28-77REAA	NovaVision Inc.

Seal -Non-Residue – 1/316” x 4-5/16” – Blue	125-000061	Intab 03-1375	Intab
ICX Toner for BMD Printer	123-000354	HP C226A LaserJet toner cartridge black	HP- Also available at most office supply stores
ICX Activation Cards	123-000330	Advanced Card Systems ACOS6- C6AACSA	Advanced Card Systems

## Attachment #4 – 5.5 EAC Certification

Below Dominion is providing our proof of EAC certification for Democracy Suite 5.5. Dominion is happy to provide more materials upon request.

	<p>United States Election Assistance Commission</p> <hr/> <p>Certificate of Conformance</p> <hr/> <p><b>Dominion Voting Systems Democracy Suite 5.5</b></p> <p>The voting system identified on this certificate has been evaluated at an accredited voting system testing laboratory for conformance to the <i>Voluntary Voting System Guidelines Version 1.0 (VVG 1.0)</i>. Components evaluated for this certification are detailed in the attached Scope of Certification document. This certificate applies only to the specific version and release of the product in its evaluated configuration. The evaluation has been verified by the EAC in accordance with the provisions of the <i>EAC Voting System Testing and Certification Program Manual</i> and the conclusions of the testing laboratory in the test report are consistent with the evidence adduced. This certificate is not an endorsement of the product by any agency of the U.S. Government and no warranty of the product is either expressed or implied.</p> <p>Product Name: <u>Democracy Suite</u></p> <p>Model or Version: <u>5.5</u></p> <p>Name of VSE: <u>Pro V&amp;V</u></p> <p>EAC Certification Number: <u>DVS-DemSuite5.5</u></p> <p>Date Issued: <u>September 14, 2018</u></p>	   <hr/> <p>Executive Director U.S. Election Assistance Commission Scope of Certification Attached</p>
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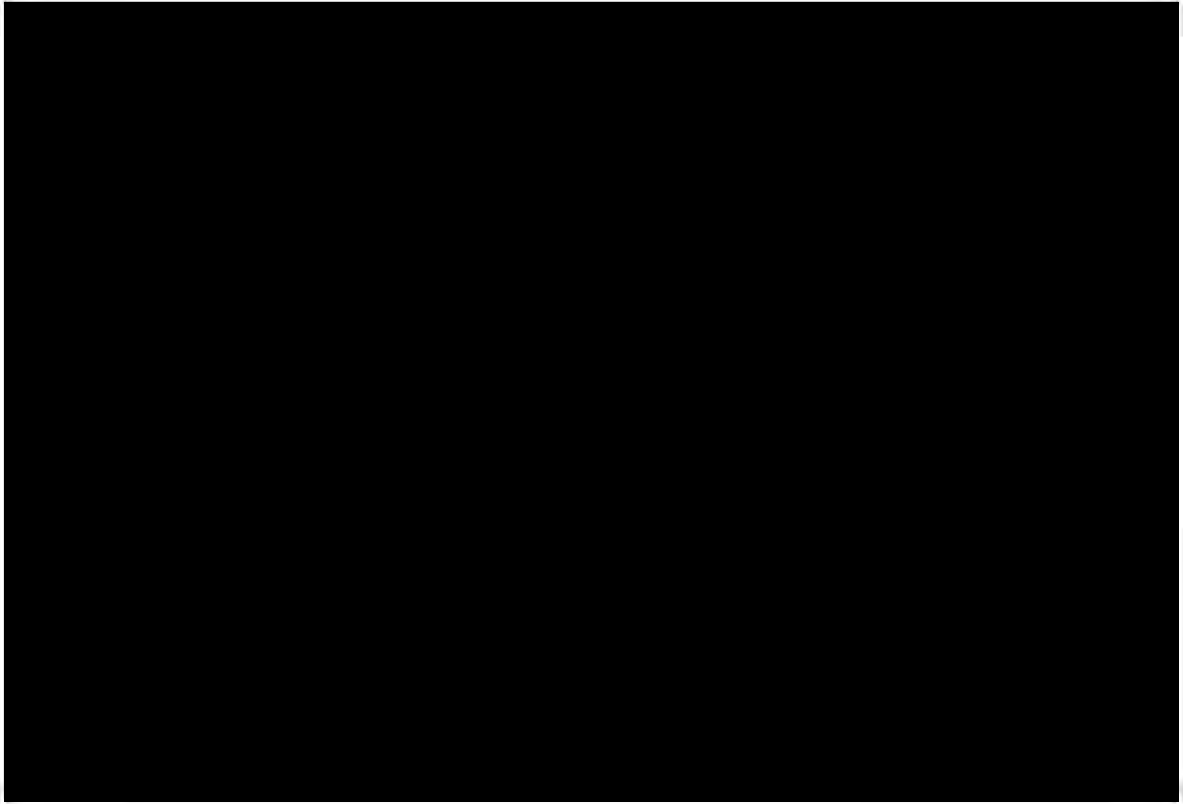


## Attachment #5 – Sample Instructional Materials

On the following pages, Dominion has provided sample instructional materials. These materials will be tailored and customized to meet the needs of Ohio customers. This includes, user manuals, poll worker guides, and any public-facing documentation to meet the needs of Dominion customers. We are happy to provide more information and detail upon request.

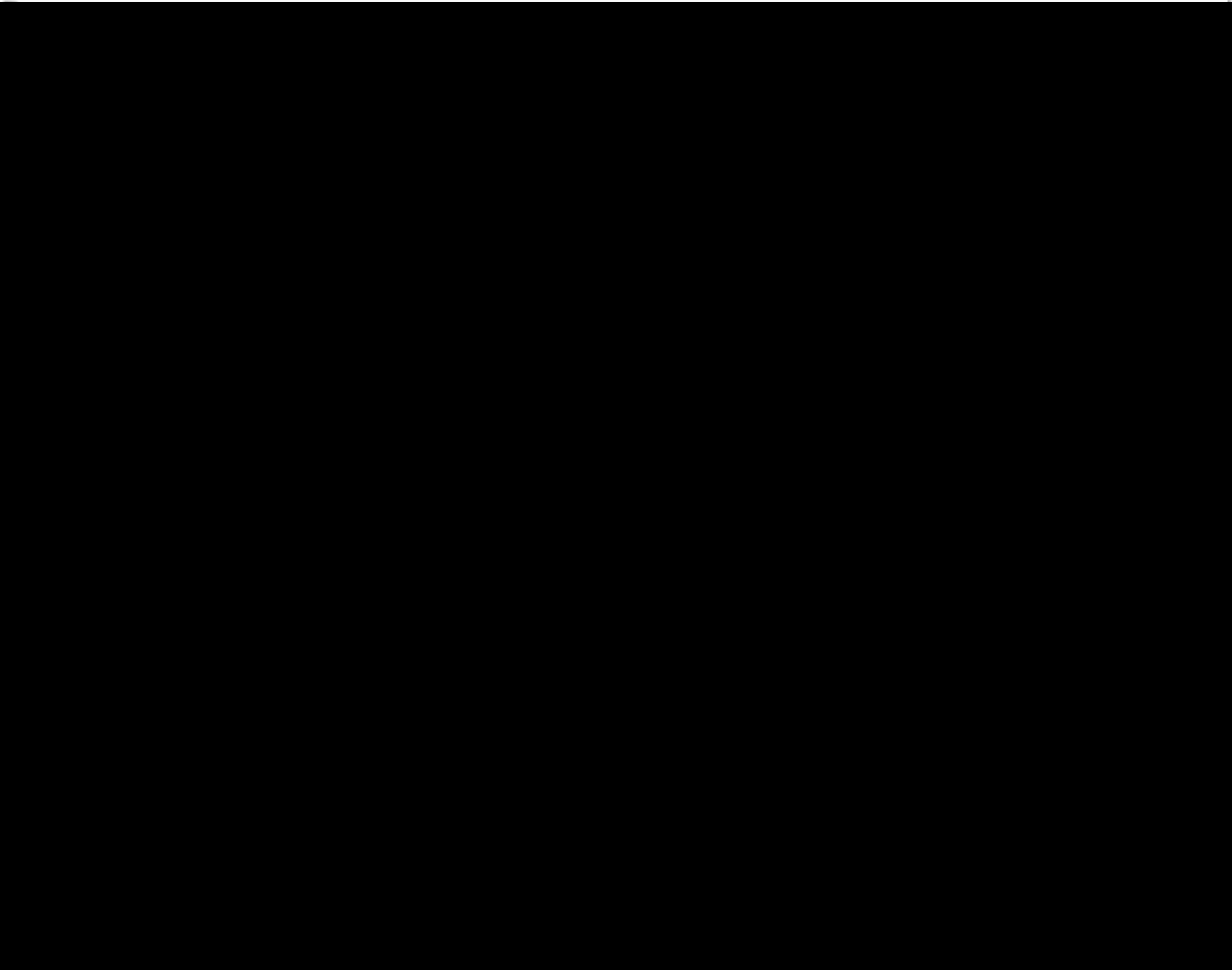
YOUR  
LOGO  
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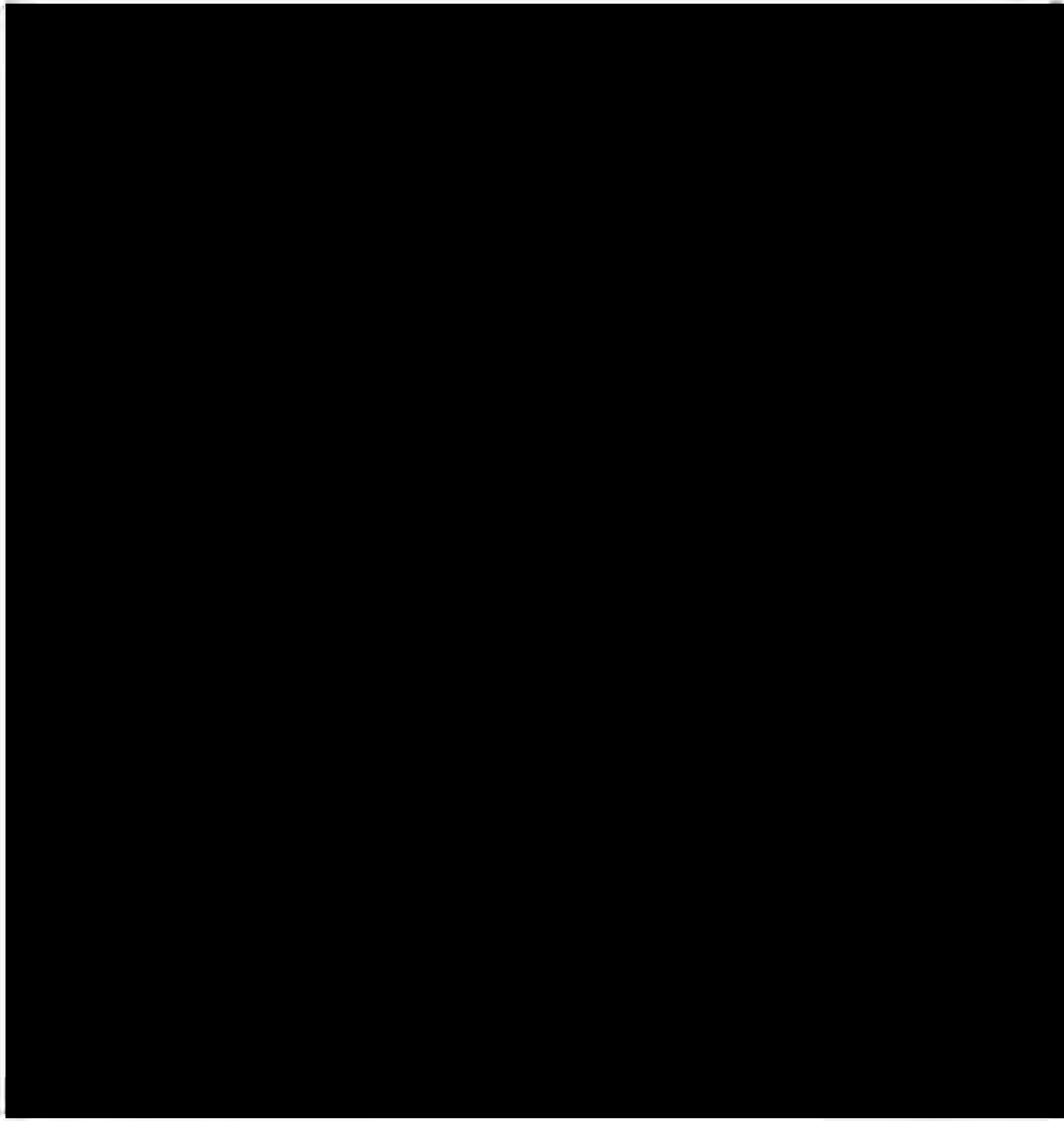
## How to Vote on the ImageCast X Ballot Marking Device

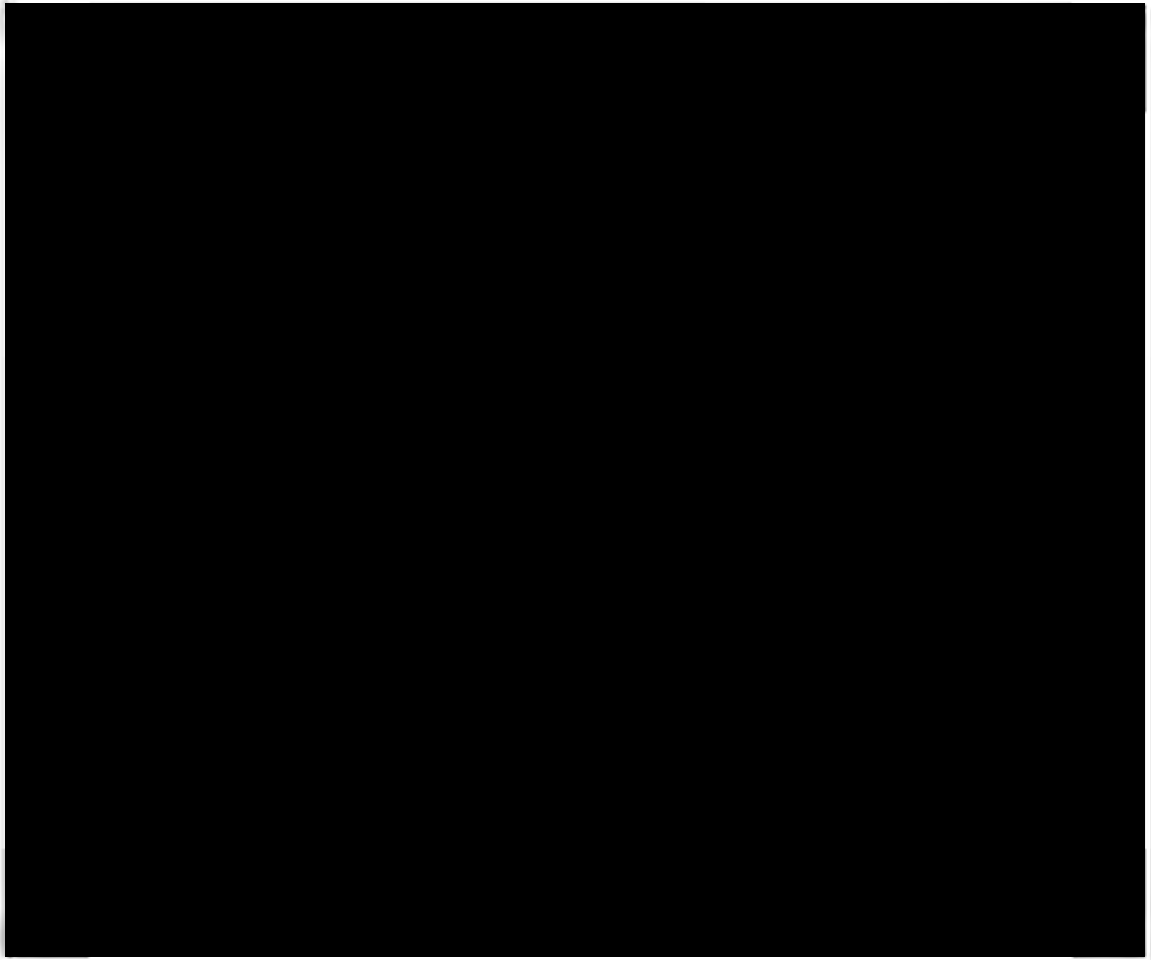


XX County Elections  
Email [vote@county.com](mailto:vote@county.com)  
Phone XXX-XXX-XXXX  
Website

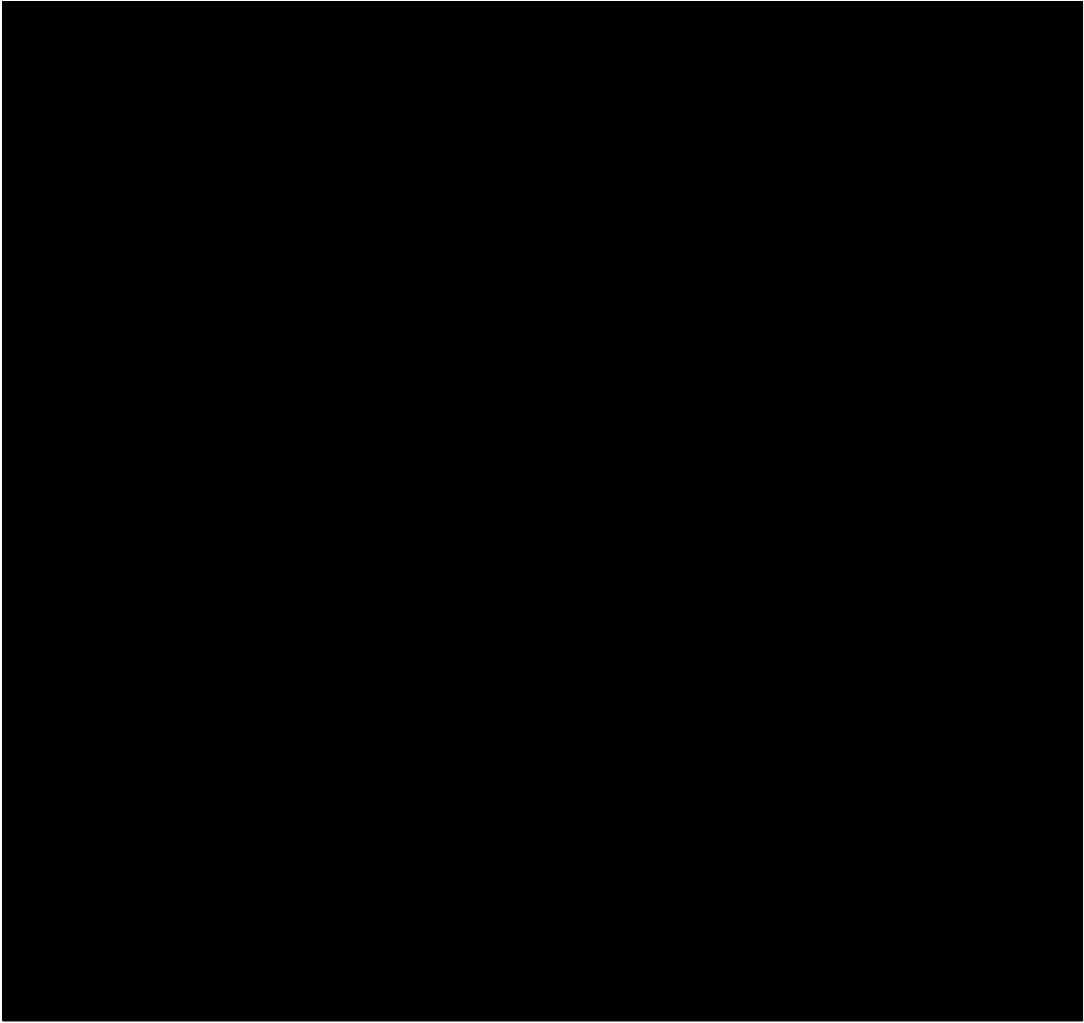
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Address Line 2  
Address Line 3  
City State, ZIP

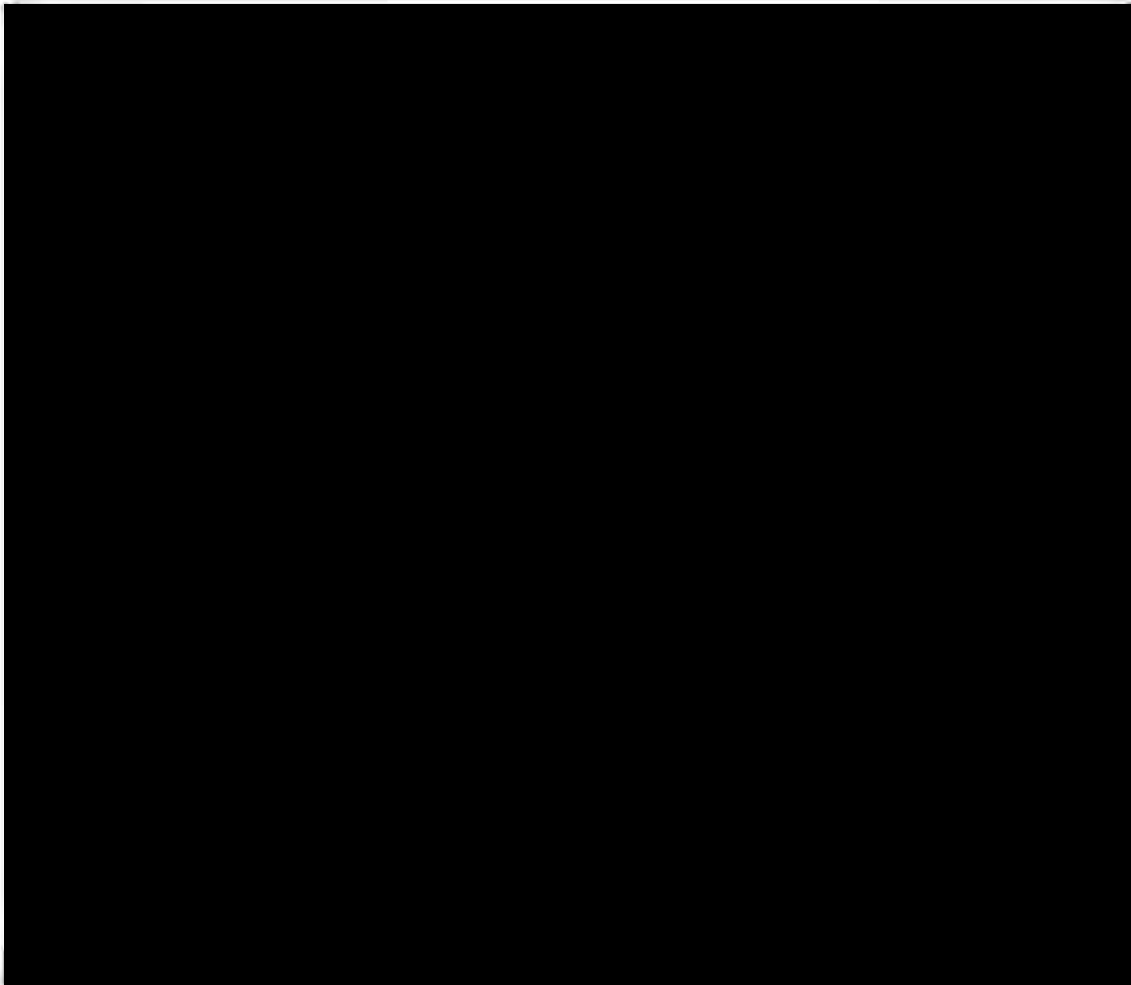




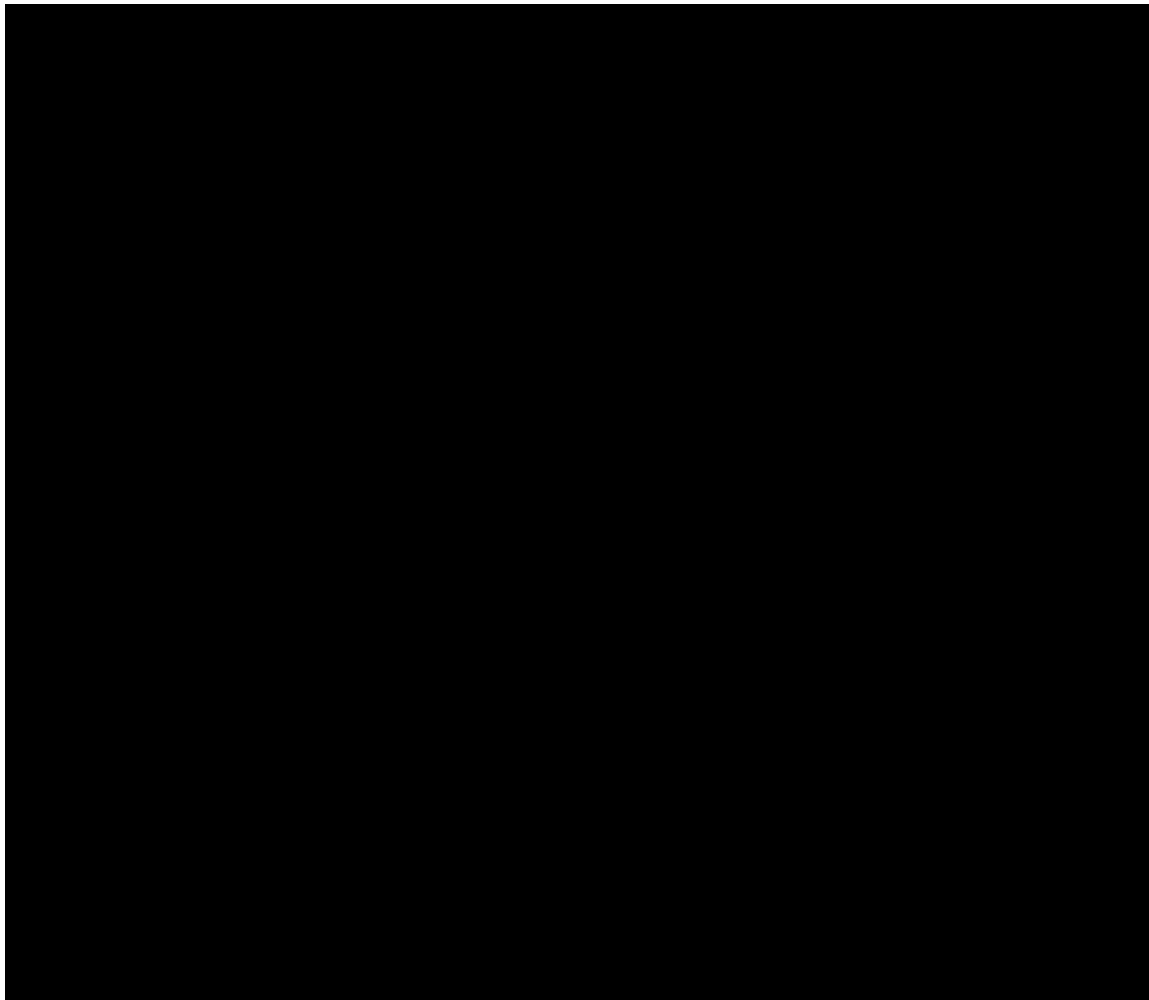


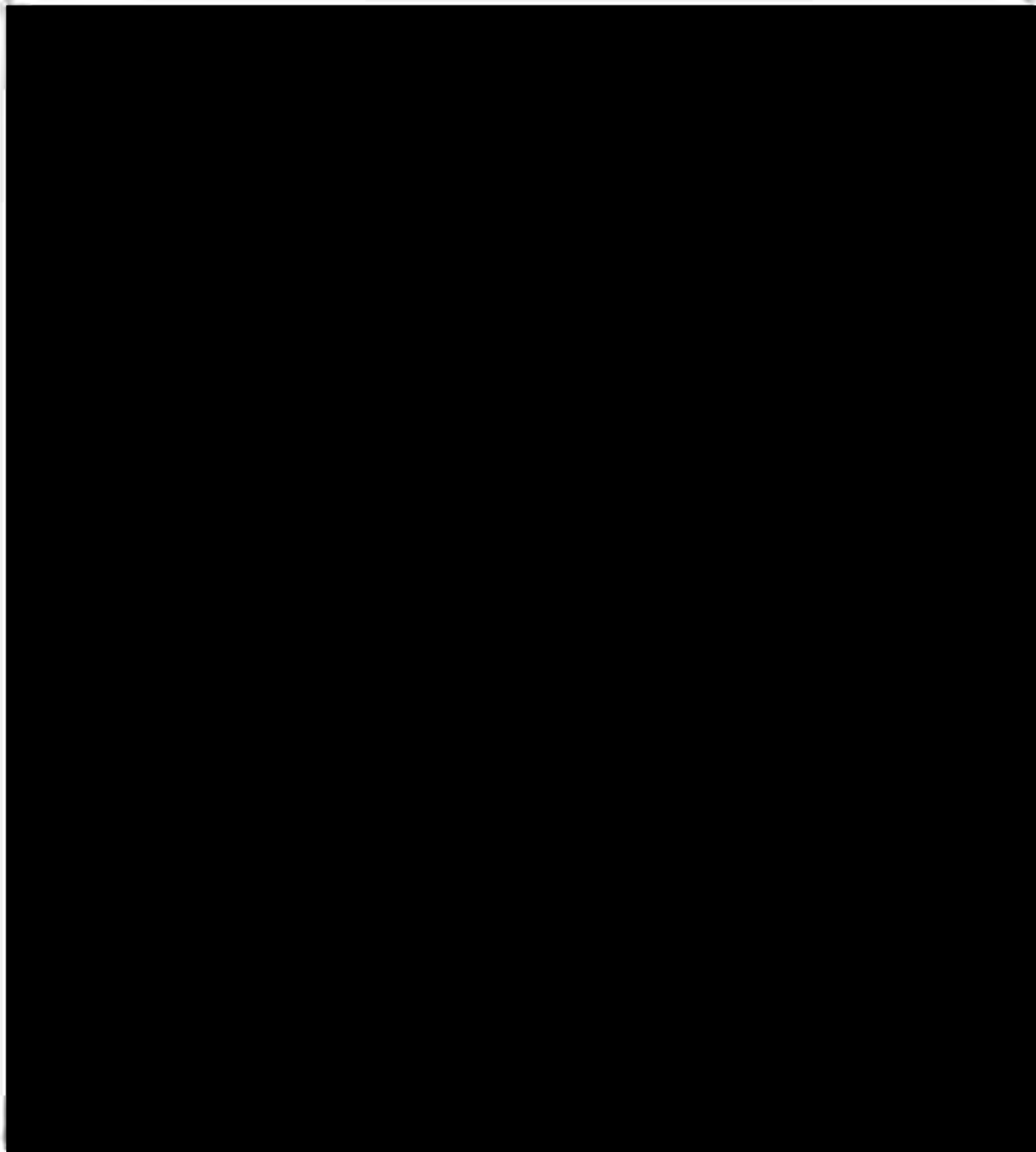




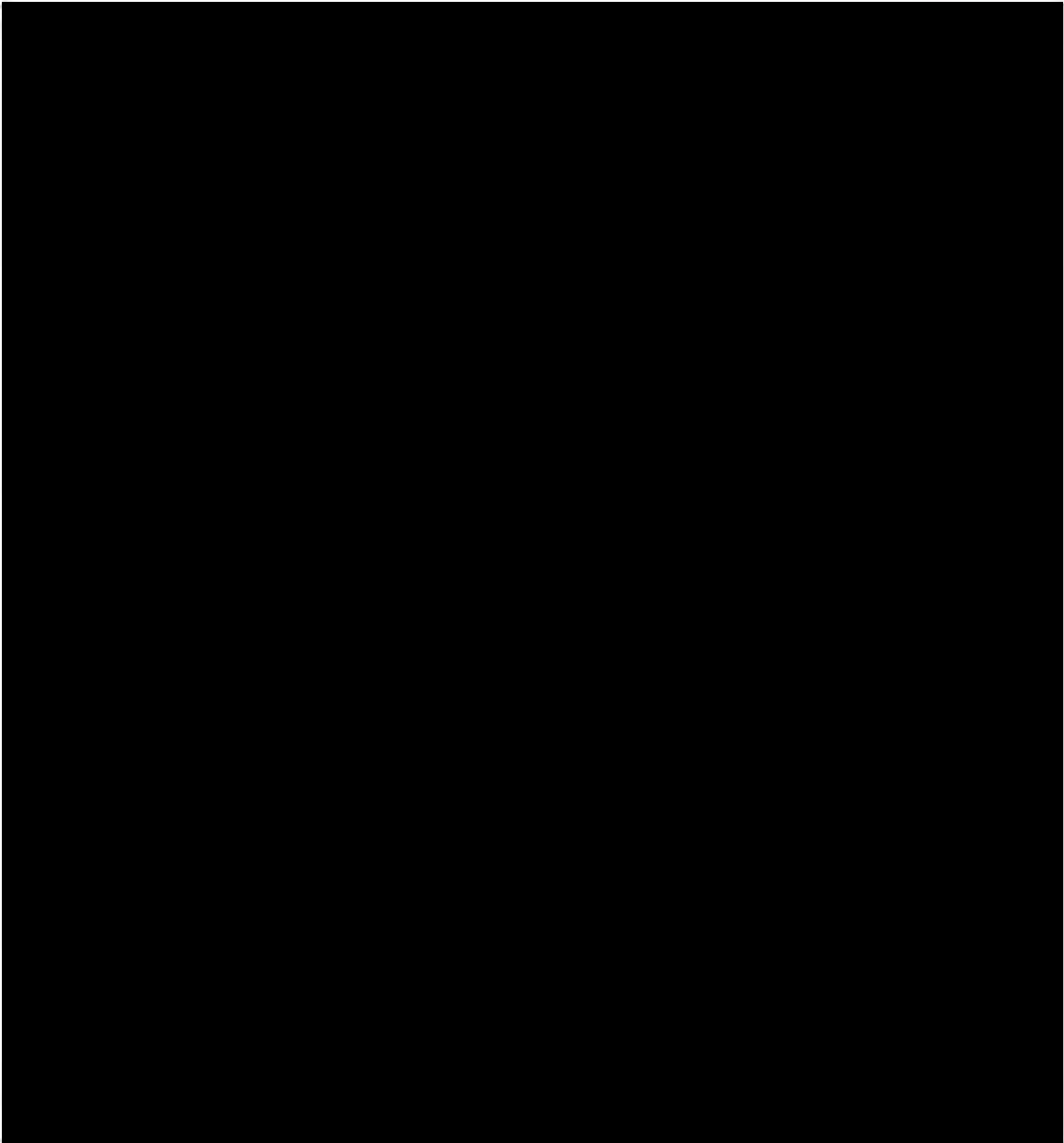


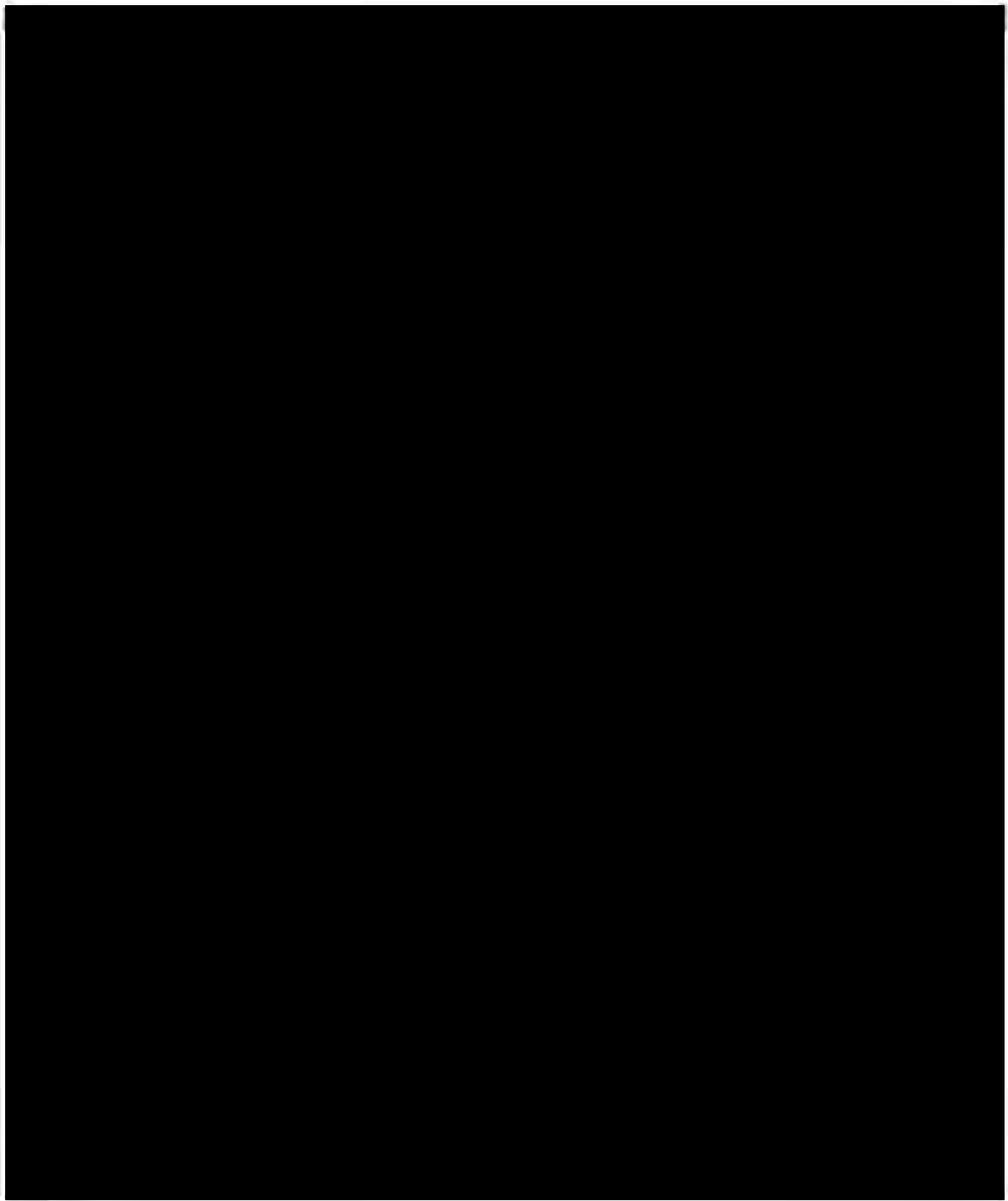


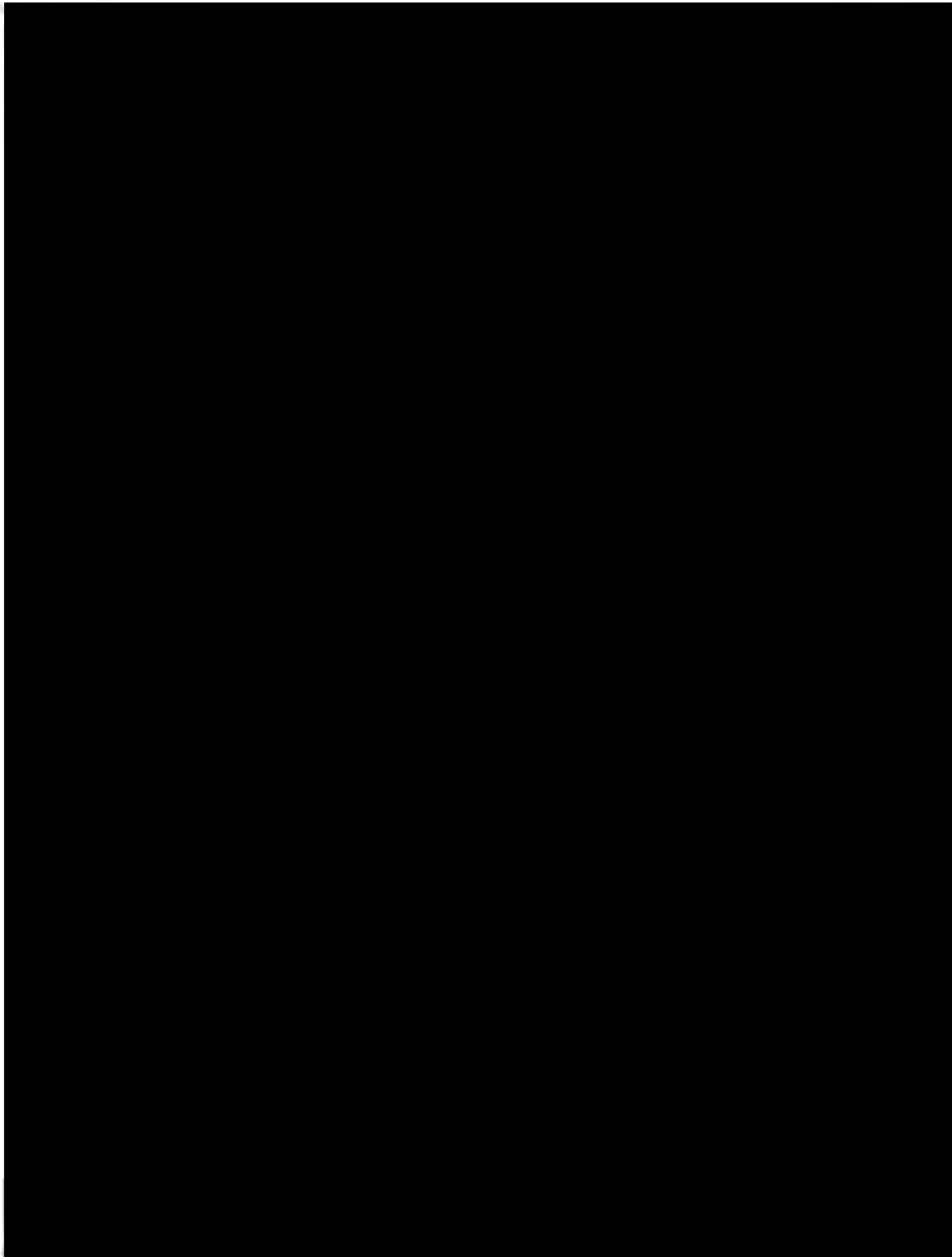


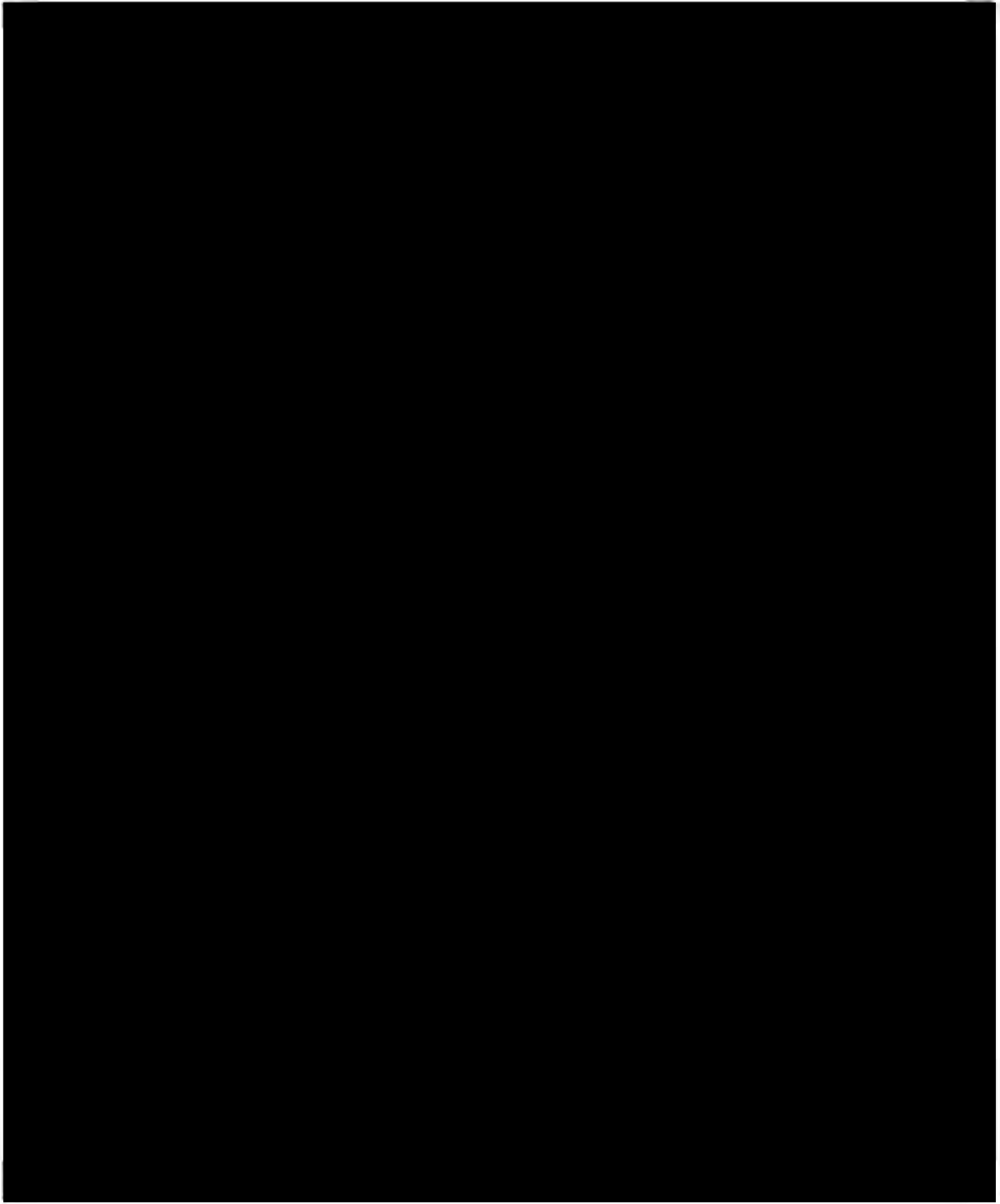


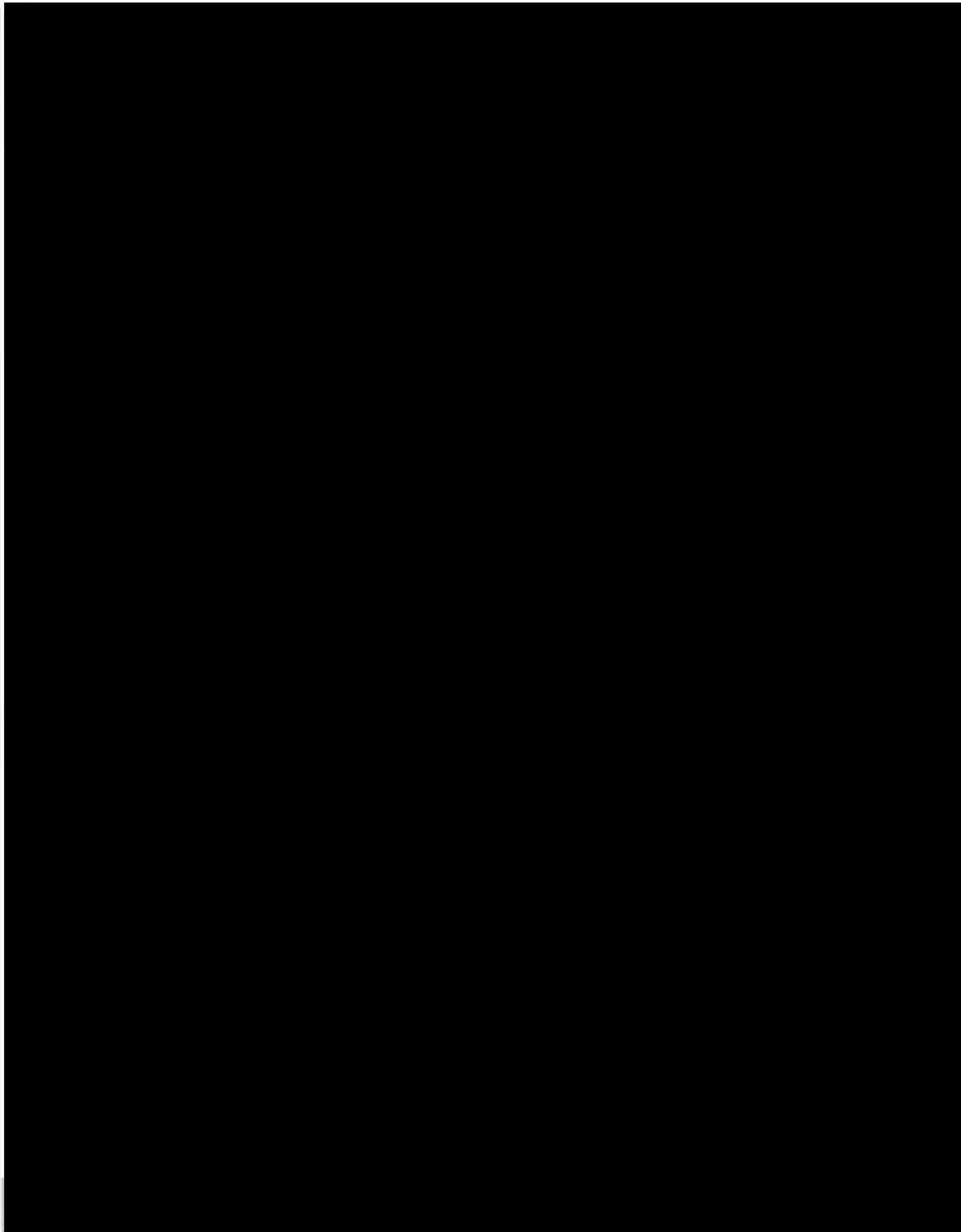
★ ★ **VOTING BOOTH INSTRUCTIONS** ★ ★

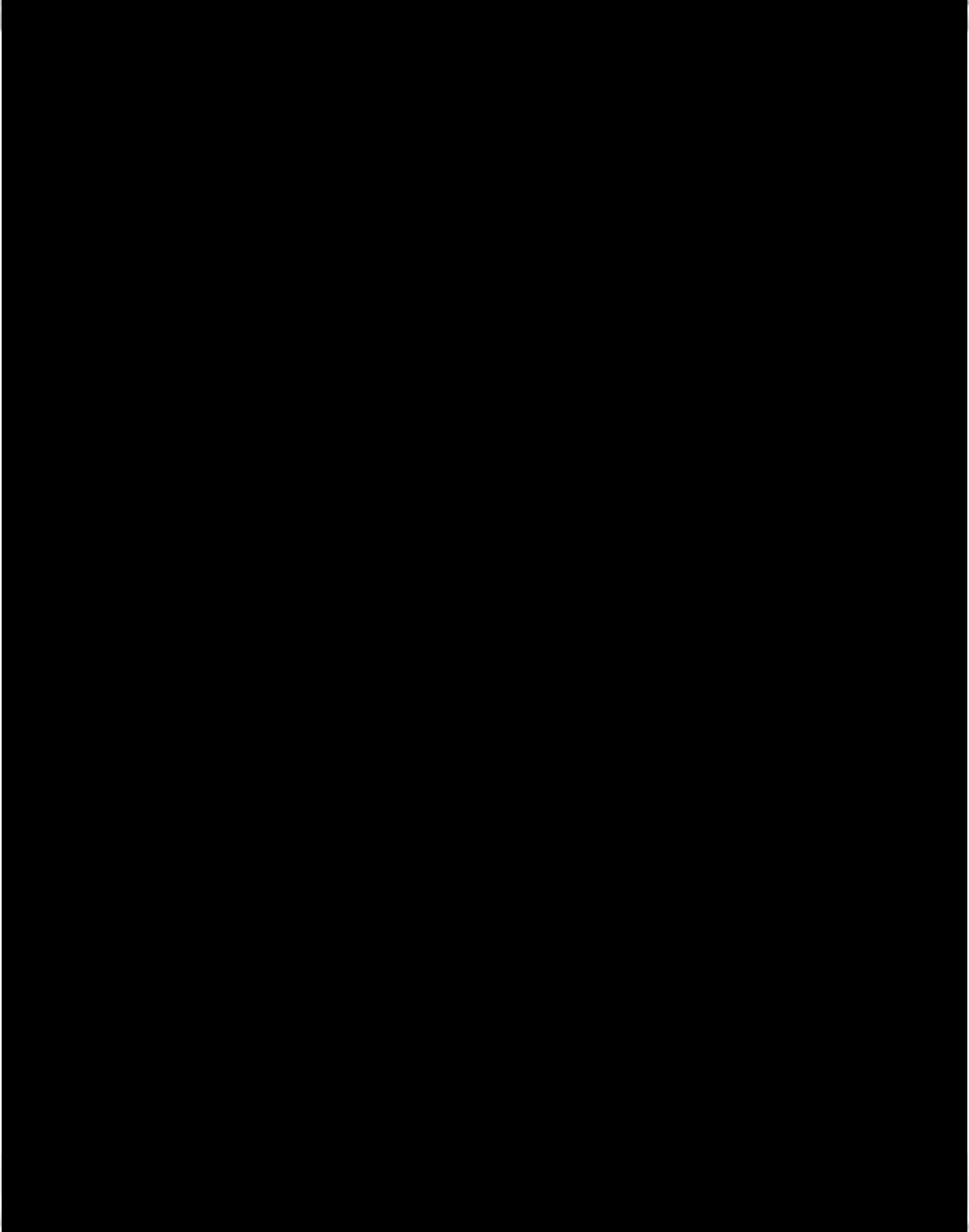




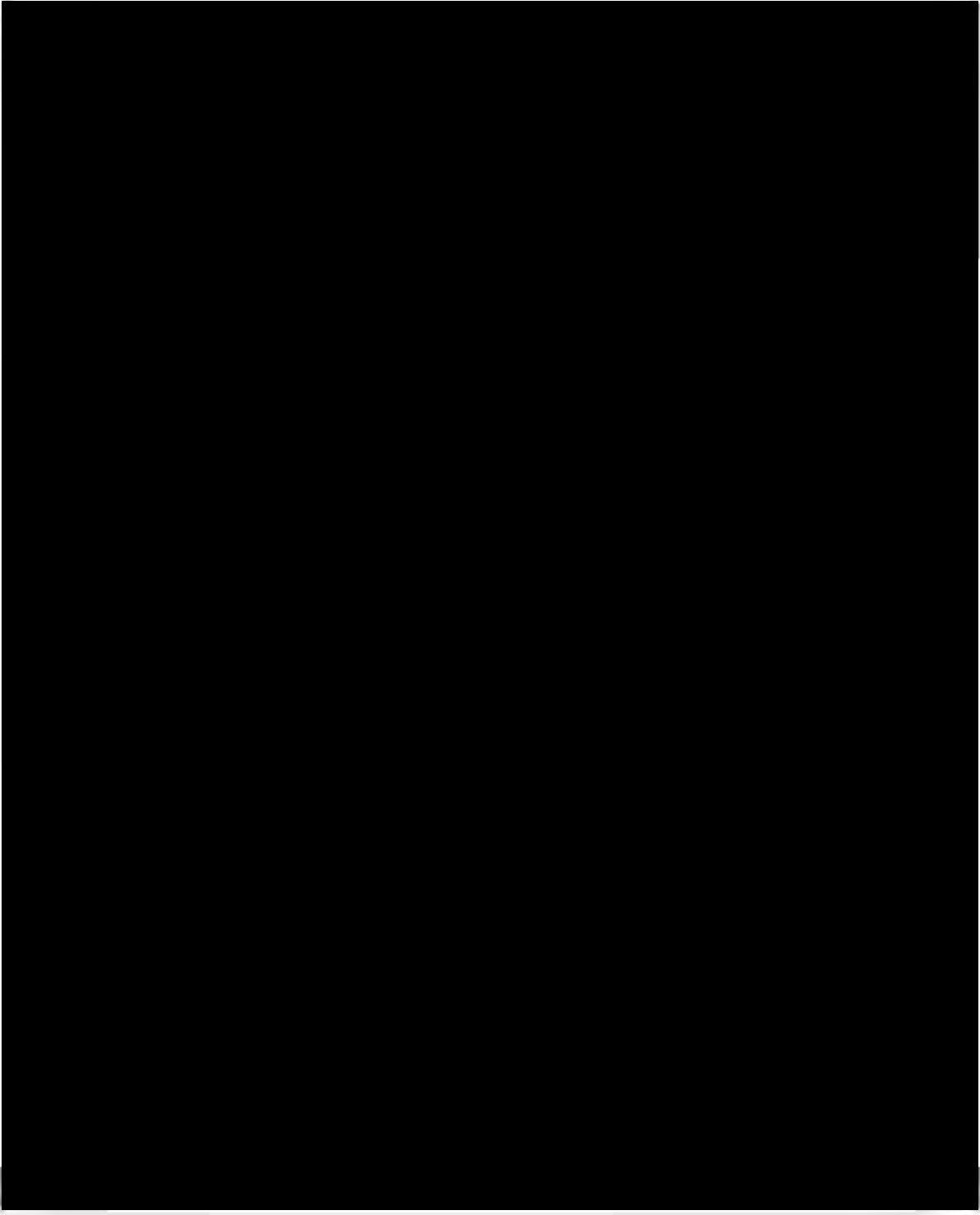


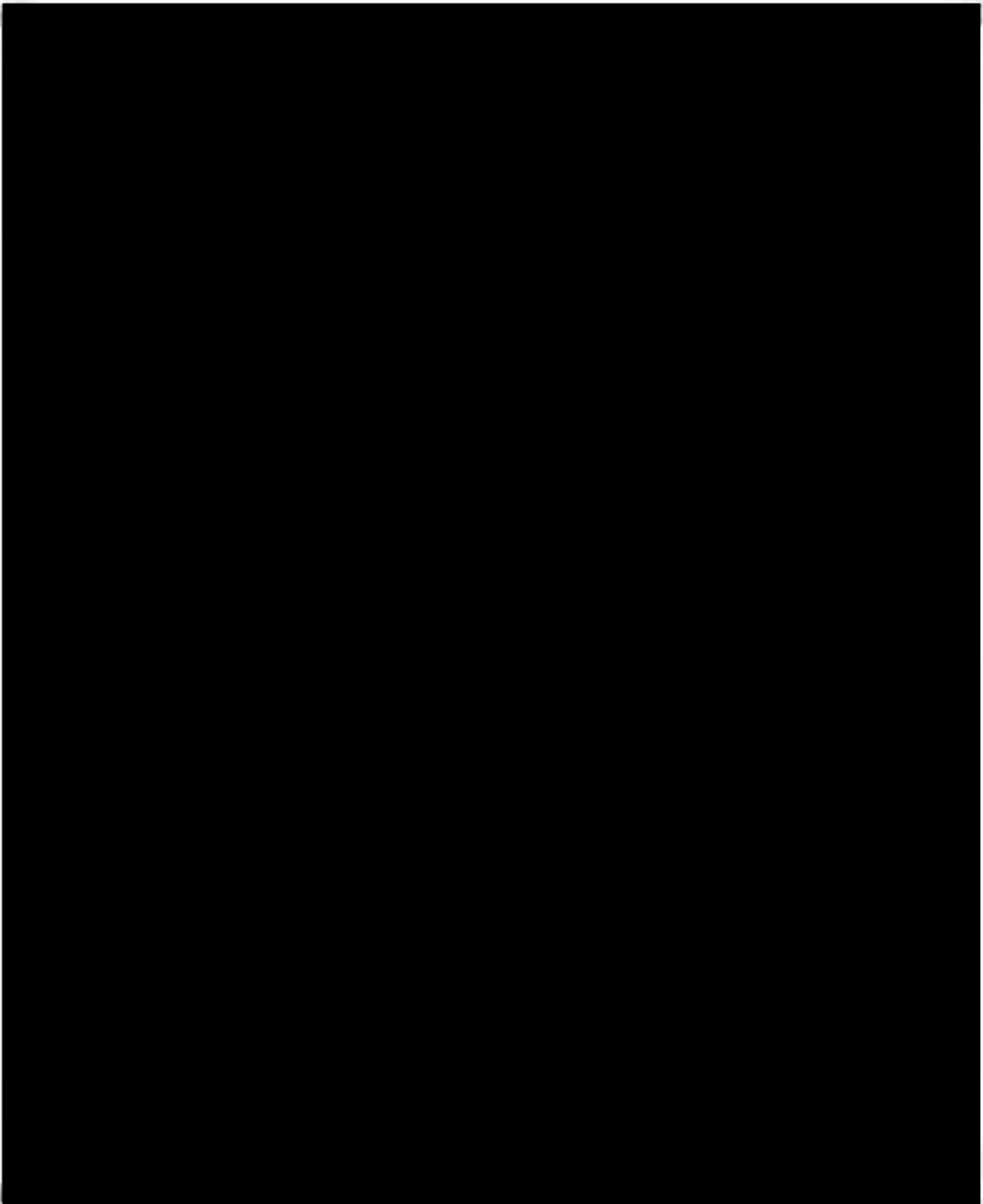


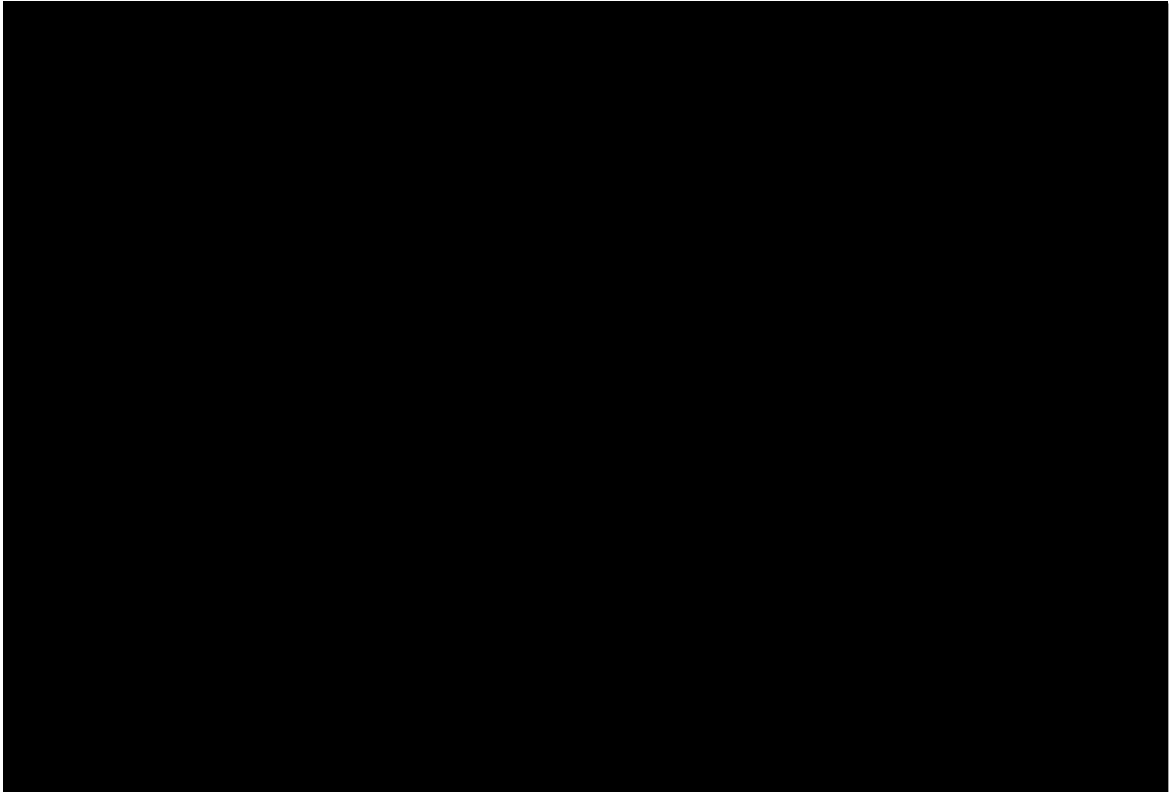












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## **Attachment #6 -Sample Hardware, Software, and Managed Service Agreement Contracts**

On the following pages, Dominion is including some of our sample contract language. These are just samples and contracts and negotiations will determine final contracts between Dominion and individual Ohio jurisdictions.



**HARDWARE MAINTENANCE AGREEMENT**

THIS AGREEMENT is made on the \_\_\_ day of \_\_\_\_\_, 201\_ (“Effective Date”)

BETWEEN

DOMINION VOTING SYSTEMS, INC., located at 1201 18<sup>th</sup> Street, Suite 210, Denver, CO 80202 (“Dominion”)

AND

\_\_\_\_\_, located at \_\_\_\_\_ (“Customer”)

WHEREAS The Customer seeks to purchase hardware maintenance services from Dominion and Dominion is agreeable to providing such services subject to the following terms and conditions:

**NOW IT IS HEREBY AGREED AS FOLLOWS:**

**1. Definitions.**

- 1.1. “Party” or “Parties” Dominion and Customer may hereinafter be referred to individually as a Party and collectively as the Parties.
- 1.2. “Hardware” means the Dominion hardware as described in Section 3.1 herein, including all documentation therefore.
- 1.3. “Specifications” means descriptions and data regarding the features, functions and performance of the Hardware, as set forth in user manuals or other applicable documentation provided by Dominion.
- 1.4. “Third-Party Products” means any software or hardware obtained from third-party manufacturers or distributors and provided by Dominion hereunder.

**2. SCOPE OF SERVICE**

2.1 Services Dominion shall repair or replace the Hardware so that each item thereof operates in conformity in all material respects with its Specifications, so long as such Hardware is operated with its designated software and with Third-Party Products (if applicable) approved by Dominion for use with the Hardware. If any Hardware items listed in Section 3.1 fails to operate in conformity with the Specifications during the Agreement term, Dominion shall fully repair or, at Dominion’s sole option, replace the Hardware.



The following conditions apply to the Services:

2.1.1 Customer shall bear the shipping costs to return the malfunctioning item of Hardware to Dominion, and Dominion shall bear the costs for ground-shipping the repaired or replaced item of Hardware to Customer. Shipping costs are based on ground service rates. If faster shipping service is required, the shipping cost shall be at the Customer's expense.

2.1.2 Repairs will be conducted and parts replaced at the Dominion repair depot, followed by a preventative maintenance inspection

2.1.3 The following services are among those not covered by this Agreement, but may be available at Dominion's current time and material rates.

- a. Replacement of consumable items including but not limited to batteries, paper rolls, ribbons, seals, smart cards, and removable memory devices, disks, etc.;
- b. Repair or replacement of Hardware damaged by accident, disaster, theft, vandalism, neglect, abuse, or any improper usage;
- c. Repair or replacement of Hardware modified by any person other than those expressly authorized in writing by Dominion;
- d. Repair or replacement of Hardware products from which the serial numbers have been removed, defaced or changed.

2.1.4 In the event Dominion discovers that the Hardware returned by the Customer is not malfunctioning and is working in compliance with its Specification, Customer shall be responsible for the cost of shipping the item back to the Customer and for repayment of the time and material required to examine the Hardware at Dominion's then current rates.

### 3. HARDWARE ITEMS, PRICE, AND PAYMENT

3.1 Unit Price In consideration of the Services listed in Section 2 of this Agreement, the Customer shall pay Dominion the price listed in the table below for the listed Hardware component. This shall be payable in advance and shall be due within 30 days of invoicing. Should the Customer fail to pay billings or other charges as may be called for under this Agreement within thirty (30) days of the submission of the invoice, Dominion may, at its option, refuse to continue service of the equipment.

Item	Quantity	Unit Price	Total Price
<b>Total Price</b>			

3.2 Taxes. Customer is responsible for all sales, excise, personal property, or other taxes or duties on the amounts paid or products or services provided under this Agreement. If Customer is exempt from such taxes or duties, Customer shall provide Dominion with a tax exemption certificate.

#### 4. TERM AND TERMINATION

4.1 Term. Subject to earlier termination as described below, and unless otherwise agreed in writing by the Parties, this Agreement shall have a term of two (2) years commencing on the Effective Date of \_\_\_\_ and ending on the second anniversary of the Effective Date. The customer may request a one year extension in writing to the company, 30 days prior to anniversary and subject to a price increase.

4.2 Termination. Either Party may terminate this Agreement prior to the expiration of its term if the other Party has materially breached any provision of this Agreement and such breach has remained uncured for at least thirty (30) days following written notice thereof.

#### 5. WARRANTIES DISCLAIMER, LIMITATIONS OF LIABILITY

5.1 Warranties Disclaimer. Except as specifically described in Section 2.1 of this agreement, Dominion disclaims all warranties whether written, oral, express, implied or statutory with respect to the products or services, including all warranties and conditions of merchantability and fitness for a particular purpose, or arising from a course of dealing, usage or trade practice.

5.2 Limitation of Liability. Dominion's total aggregate liability for any loss, damage, costs or expenses under or in connection with this Agreement, howsoever arising, including without limitation, loss, damage, costs or expenses caused by breach of contract, negligence, strict liability, breach of statutory or any other duty shall in no circumstances exceed the total dollar amount of the Agreement. Neither party shall be liable for any loss of profits, loss of business, loss of data, loss of use or any other indirect, incidental, special or consequential loss or damage whatsoever, howsoever arising, incurred by the other party or any third party, whether in an action in contract, negligence or other tort, even if the parties or their representatives have been advised of the possibility of such damages.

#### 6. GENERAL PROVISIONS

6.1 Entire Agreement. This Agreement constitutes the entire agreement between the Customer and Dominion with respect to the Services, and hereby supersedes and terminates any prior agreements or understandings relating to such subject matter. No addendum, waiver, consent, modification, amendment or change of the terms of this Agreement shall bind either Party unless in writing and signed by the Customer and Dominion.



6.2 Severability. If any provision hereof should be held invalid, illegal or unenforceable in any respect in any jurisdiction, then, to the fullest extent permitted by law, (i) all other provisions hereof shall remain in full force and effect in such jurisdiction and shall be liberally construed in order to carry out the intentions of the Parties as nearly as may be possible and (ii) such invalidity, illegality or unenforceability shall not affect the validity, legality or enforceability of such provision in any other jurisdiction.

6.3 Notices. Any notice by a Party under this Agreement shall be in writing and either personally delivered, delivered by email, facsimile or sent via reputable overnight courier (such as Federal Express) or certified mail, postage prepaid and return receipt requested. Notices shall be sent to the address of the Parties set forth in the first paragraph hereof, or in any case to such other address of which either Party may from time to time notify the other in accordance with this Section 6.3. All notices shall be deemed effective on the date of actual receipt.

6.4 Governing Law and Jurisdiction. The validity, construction and interpretation of this Agreement, and the rights and duties of the Parties, shall be governed by and construed in accordance with the laws of the Customer's state identified on Page 1 of this Agreement.

6.5 No Waiver. The waiver by either Party of a breach of a default of any provision of this Agreement by the other Party shall not be construed as a waiver of any succeeding breach of the same or any other provision, nor shall any delay or omission on the part of either Party to exercise or avail itself of any right, power or privilege that it has, or may have hereunder, operate as a waiver of any right, power or privilege by such Party.

6.6 Section Headings. Captions and section headings hereof are for reference purposes only and shall not control or alter the meaning of this Agreement as set forth in the text.

6.7 Force Majeure. Neither Party shall be liable in damages, or shall be subject to termination of this Agreement by the other Party, for any delay or default in performing any obligation hereunder if that delay or default is due to any force majeure event, including without limitation any natural disaster, act of any government or other authority or statutory undertaking, act of terrorism, industrial dispute, fire, explosion, accident, power failure, flood, riot or war (declared or undeclared); provided that, in order to excuse its delay or default hereunder, a Party shall notify the other of the force majeure event, specifying the nature and particulars thereof and the expected duration thereof, and provided, further, that within fifteen (15) calendar days after the termination of force majeure event, such Party shall give notice to the other Party specifying the date of termination thereof.

6.8 Third-Party Beneficiary. No person shall be a third-party beneficiary pursuant to this Agreement. No obligation of Dominion or Customer may be enforced

against Dominion or Customer, as applicable, by any person not a party to this Agreement.

6.9 Execution in Counterparts This Agreement may be executed in counterparts, each of which counterparts, when so executed and delivered, shall be deemed to be an original, and all of which counterparts, taken together, shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the Effective Date.

**DOMINION VOTING SYSTEMS, INC.**

\_\_\_\_\_  
AUTHORIZED SIGNATURE

John Poulos  
\_\_\_\_\_  
PRINTED NAME

President & CEO  
\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

**[CUSTOMER]**

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

**VOTING SYSTEM AND MANAGED SERVICES AGREEMENT**  
**BY AND BETWEEN**  
**DOMINION VOTING SYSTEMS, INC.**  
**AND \_\_\_\_\_**

This Managed Services Agreement (the "Agreement"), dated \_\_\_\_\_, 2015 (the "Effective Date"), for a voting system hardware services, software licenses and related services is made by and between \_\_\_\_\_, having its principal office located at \_\_\_\_\_ (hereinafter the "Customer"), and Dominion Voting Systems Inc., having its principal office located at 1201 18<sup>th</sup> Street, Suite 210, Denver, CO 80202 (hereinafter "Dominion"). This Agreement may refer to Dominion and the Customer together as the "Parties," or may refer to Dominion or the Customer individually as a "Party."

WHEREAS, the Customer desires to purchase voting system services, and a software use license; and

WHEREAS, Dominion designs, manufactures, licenses, and provides services for its voting systems.

NOW THEREFORE, in consideration of the mutual covenants contained herein, and in accordance with the terms and conditions set forth herein, Dominion agrees to license and furnish to Customer the System (as defined herein), including the products and services described more fully below:

1. **Composition of Agreement.** Exhibits A and B are attached and incorporated herein by reference and form a part of this Agreement. This Agreement consists of the terms and conditions contained in the following sections and the listed Exhibits:

Exhibit A: Pricing Payment Summary and Deliverables Description  
Exhibit B: Software License Terms and Conditions

2. **Definitions.** For the purposes of this Agreement, the following are defined terms:

2.1. "Acceptance" means the successful completion of the acceptance testing performed by the Customer on the Dominion Hardware and related Dominion Software, after delivery in accordance with testing criteria developed and updated from time to time by Dominion, or the occurrence of other events defined in Section 8.

2.2. "Dominion Software" means software and firmware programs licensed to the Customer by Dominion and any associated documentation including the following:

2.2.1. "Democracy Suite" Software," Dominion's election management software associated with the ImageCast<sup>®</sup> voting system which includes Election Event Designer and Results Tally and Reporting.

2.2.2. "ImageCast" Software," the software/firmware designed for use in the

ImageCast<sup>®</sup> voting system.

- 2.3. "Dominion Hardware" means the ImageCast<sup>®</sup> Evolution Scanner and Tabulator (or "ICE"), the ImageCast<sup>®</sup> Central Scanner and associated third party workstation (or "ICC") as more specifically described in Exhibit A.
  - 2.4. "Election" means a single election event administered by the Customer including any absentee and early voting activity associated with the election event. Election shall not mean any follow-on events occurring after the initial election event, including without limitations, run-offs or recall replacements elections. Any follow on event shall be considered an Election in and of itself.
  - 2.5. "Election Management System Hardware" or "EMS Hardware" means third party hardware required for operating Dominion Software as used in conjunction with the Dominion Hardware.
  - 2.6. "License" has the meaning set forth in Section 7.
  - 2.7. "System" means the combination of Dominion Software, Dominion Hardware and EMS Hardware
  - 2.8. "Third Party Software" means software, other than the Dominion Software, which is owned by third parties, and which Dominion provides to Customer pursuant to sublicenses or end user license agreements with the owners of such Third Party Software. Third Party Software includes, but is not limited to, various operating systems, software drivers, and report writing subroutines.
3. **Term of Agreement.** The "Term" of this Agreement shall begin on the Effective Date and shall continue until \_\_\_\_\_, (to be filled in based on the Effective Date)
4. **Dominion's Responsibilities.** Dominion shall
- 4.1. Provide the System and services as described in Exhibit A - Pricing and Payment Summary and Deliverables Description.
  - 4.2. Provide the Customer with a Dominion Software use License as described in Exhibit B - Software License Terms.
  - 4.3. Appoint a Project Manager to oversee the general operations of the project. The project manager shall be responsible for arranging all meetings, visits and consultations between the Parties and for all administrative matters such as invoices, payments and amendments. The project manager shall communicate with the Customer as to the status of information, procedures and progress on the tasks set out in this Agreement and alert of any material change in such plans.

- 4.4. Assist in the Acceptance Testing process as required by Section 8 herein.
- 4.5. Provide the Customer with one (1) reproducible electronic copy of the user documentation.
- 4.6. Provide the System that Dominion designs, manufactures, and or licenses, which is certified for use as a voting system in the Customer's jurisdiction.
- 4.7. Provide invoices to Customer pursuant to the payment schedule in Exhibit A and the payment terms described in Section 5.1 herein.

**5. Customer's Responsibilities.** Customer shall:

- 5.1. Pay invoices in a timely manner and no later than thirty (30) calendar days from receipt of a Dominion invoice.
  - 5.1.1. Dominion shall issue invoices to Customer pursuant to the invoice schedule listed in Exhibit A.
  - 5.1.3. Payments specified in this Section 5 are exclusive of all excise, sale, use and other taxes imposed by any governmental authority, all of which shall be reimbursed by the Customer. If the Customer is exempt from taxes, Customer shall supply Dominion a tax exemption certificate or other similar form demonstrating its exempt status.
- 5.2. Appoint a Project Manager who shall be responsible for review, analysis and acceptance of the System and the coordination of Customer personnel, equipment, vehicles and facilities. The Project Manager shall be empowered to make decisions on behalf of the Customer with respect to the work being performed under this Agreement. The Project Manager shall also have direct access to the Customer's top management at all times for purposes of problem resolution.
- 5.3. Conduct Acceptance Testing process as required by Section 8.
- 5.4. Customer shall provide reasonable access and entry into all Customer property required by Dominion to provide the System and perform the services described in this Agreement. All such access and entry shall be provided at Customer's expense.

**6. Title and Risk of Loss.**

- 6.1. Title to the System. The System shall be provided by Dominion to the Customer as part of the managed services described herein. Title to the System or any portion thereof, shall not pass to the Customer and shall remain with Dominion.
- 6.2. Software. Dominion Software and Third Party Software is licensed, not sold. The

original and any copies of the Dominion Software, or other software provided pursuant to this agreement, in whole or in part, including any subsequent improvements or updates, shall remain the property of Dominion, or any third party that owns such software.

- 6.3. Risk of Loss. Dominion shall bear the responsibility for all risk of physical loss or damage to each portion of the System until such portion is delivered to the "ship to" address, except to the extent such damage is caused by Customer. Customer shall provide Dominion with a single location for shipment and Dominion shall not be responsible for shipping to more than one location. To retain the benefit of this clause, Customer shall notify Dominion of any loss or damage within ten (10) business days of the receipt of any or all portions of the System, or such shorter period as may be required to comply with the claims requirements of the shipper, and shall cooperate in the processing of any claims made by Dominion.

## 7. Software License and Use.

- 7.1. License. Upon mutual execution of this Agreement, Dominion grants to the Customer, and the Customer accepts a non-exclusive, non-transferable, license ("License") to use the Dominion Software subject to the terms and conditions of this Agreement and the Software License Terms attached hereto as Exhibit B.
- 7.2. Third Party Software. The System includes Third Party Software, the use of which is subject to the terms and conditions imposed by the owners of such Third Party Software. Customer consents to the terms and conditions of the Third Party License Agreements by Customer's first use of the System.

## 8. Acceptance.

- 8.1. Dominion Software or Dominion Hardware. After delivery Dominion Software or Dominion Hardware, the Customer will conduct acceptance testing of such items, in accordance with the acceptance criteria developed and updated, from time to time, by Dominion. Such acceptance testing shall occur at a time mutually agreed upon by the Parties, but no later than ten (10) business days after delivery.
- 8.2. System Acceptance Testing. To the extent not tested as part of the testing pursuant to Subsections 8.1, upon completing the installation of the System, the Customer will conduct system acceptance testing, according to the acceptance test procedures developed and updated, from time to time, by Dominion. Such acceptance testing shall occur at a time mutually agreed upon by the Parties, but no later than ten (10) business days after installation of the System.

## 9. Dominion Software Warranty.

- 9.1. Dominion Software Warranty. The Dominion Software Warranty is subject to the Software License Terms attached hereto as Exhibit B.
- 9.2. Third Party Software Warranty. To the extent permitted by the licensor of Third Party Software, Dominion shall pass to Customer all warranties such licensors make available to Dominion regarding the operation of Third Party Software.
- 9.3. No Other Software Warranties. DOMINION DISCLAIMS ALL OTHER SOFTWARE WARRANTIES AND REPRESENTATIONS, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.

**10. Hardware Warranty.**

- 10.1. Dominion Hardware Warranty Terms. Dominion warrants that when used with the configuration approved by Dominion, each component of Dominion Hardware will be free of defects that would prevent the Dominion Hardware from operating in conformity in all material respects with its specifications. The Dominion Hardware Warranty shall remain in effect during the Agreement Term.
- 10.2. Dominion Hardware Warranty Services. Dominion shall repair or replace the Dominion Hardware so that each item thereof operates in conformity with its specifications, so long as such Dominion Hardware is operated with its designated software and third party products (if applicable) approved by Dominion for use with the Dominion Hardware. If any Dominion Hardware item fails to operate in conformity with the specifications during the Agreement term, Dominion shall fully repair or, at Dominion's sole option, replace the Dominion Hardware. The following conditions apply to the Dominion Hardware services:
  - 10.2.1. Dominion shall provide one (1) preventative maintenance service on the Dominion Hardware per calendar year. Dominion Hardware repairs or replacements will be conducted during a preventative maintenance or at the Dominion repair depot, as decided by Dominion.
  - 10.2.2. Dominion shall bear the costs for ground-shipping Dominion Hardware parts or the repaired/replaced item to and from the Customer. Shipping costs are based on ground service rates. If faster shipping service is required, the shipping cost shall be at the Customer's expense.
  - 10.2.3. The following services are not covered by the Dominion Hardware warranty, but may be available for purchase at Dominion's then current time and material rates:



- a. Except as otherwise provided in Section 3.3 of Exhibit A to this Agreement, replacement of consumable items including but not limited to batteries, pens, paper rolls, seals, printer ink, removable memory devices, etc.;
- b. Repair or replacement of Dominion Hardware damaged by accident, disaster, theft, vandalism, neglect, abuse, or any improper usage;
- c. Repair or replacement of Dominion Hardware modified by any person other than those expressly authorized in writing by Dominion;
- d. Repair or replacement of Dominion Hardware products from which the serial numbers have been removed, defaced or changed.

10.3. EMS Hardware Warranty. To the extent permitted by the manufacturers of the EMS Hardware, Dominion shall pass to the Customer all warranties such manufacturers make available to Dominion.

10.4. No Other Warranties. DOMINION DISCLAIMS ALL OTHER WARRANTIES AND REPRESENTATIONS, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.

**11. Confidential Information.**

- 11.1. For purposes of this Agreement, confidential information ("Confidential Information") is defined as those materials, documents, data, and technical information, specifications, business information, customer information, or other information that the disclosing Party maintains as trade secrets or confidential and which are disclosed to a receiving Party in tangible form conspicuously marked as "confidential," or with words having similar meaning or which are expressly identified in this Subsection 11.1. Confidential Information includes, without limitation, Dominion Software source code and associated documentation.
- 11.2. Each Party shall treat the other Party's Confidential Information as confidential within their respective organizations, and shall disclose it therein only on a need to know basis.
- 11.3. Neither Party shall disclose the other Party's Confidential Information to any person outside their respective organizations unless disclosure is made in response to, or because of, an obligation to any federal, state, or local governmental agency or court with appropriate jurisdiction, or to any person properly seeking discovery before any such agency or court.



- 11.4. The parties understand and agree that Customer is a public entity that may be subject to Public Record Laws. Therefore, any covenant of confidentiality given by the Customer in this Agreement shall be governed by and superseded by the provisions and limitations of applicable Public Record Laws.
- 11.5. Any specific information that Dominion claims to be confidential must be clearly identified as such by the Customer. To the extent consistent with Public Record Laws, Customer shall maintain the confidentiality of all such information marked by Dominion as confidential. If a request is made to view such confidential information, Customer will notify Dominion of such request and the date the information will be released to the requestor unless Dominion obtains a court order enjoining such disclosure. If Dominion fails to obtain such court order enjoining such disclosure, the Customer will release the requested information on the date specified. Such release shall be deemed to have been made with Dominion's consent and shall not be deemed to be a violation of law or this Agreement.

**12. Limitation of Liability.** Dominion's total aggregate liability for any loss, damage, costs or expenses under or in connection with this Agreement, howsoever arising, including without limitation, loss, damage, costs or expenses caused by breach of contract, negligence, strict liability, breach of statutory or any other duty shall in no circumstances exceed the total dollar amount of the Agreement. Neither party shall be liable for any loss of profits, loss of business, loss of data, loss of use or any other indirect, incidental, special or consequential loss or damage whatsoever, howsoever arising, incurred by the other party or any third party, whether in an action in contract, negligence or other tort, even if the parties or their representatives have been advised of the possibility of such damages.

**13. Indemnification.** Each Party shall indemnify and hold harmless the other Party from third party claims arising from, or alleged to arise from, the negligence or deliberate misconduct of a Party in the course of performing under this Agreement. This indemnity extends solely to claims and lawsuits for personal injury, death, or destruction of tangible personal property. In addition, Customer shall indemnify and hold harmless Dominion from any third party claims arising from, or alleged to arise from, Customer's failure to operate properly the System licensed, sold and/or leased under this Agreement, in the manner so designated by Dominion.

**14. Assignment.** Neither Party may assign its rights, obligations, or interests in this Agreement without the written consent of the other Party.

**15. Termination for Default.** In the event either Party violates any provisions of this Agreement, the injured Party may serve written notice upon the violating Party identifying the violation and providing a reasonable cure period. Except as otherwise noted herein, such cure period shall be at least thirty (30) days. In the event the violating Party has not remedied the infraction at the end of the cure period, the injured Party may serve written notice upon the violating Party of its intent to terminate, and seek legal remedies for breach of contract as allowed hereunder. If the breach identified in the notice cannot be completely cured within the

specified time period, no default shall occur if the Party receiving the notice begins curative action within the specified time period and thereafter proceeds with reasonable diligence and in good faith to cure the breach as soon as practicable.

**16. Survival.** The provisions of Sections 2, 11, 12, 13, 19, and 20 shall survive the expiration or termination of this Agreement.

**17. Force Majeure.** Should any circumstances beyond the control of Dominion or Customer occur that delay or render impossible the performance of any obligation due under this Agreement, such obligation will be postponed for the period of any delay resulting from any such circumstances, plus a reasonable period to accommodate adjustment to such extension, or cancelled if performance has been rendered impossible thereby. Such events may include, without limitation, accidents, war, acts of terrorism, natural disasters, labor disputes, acts, laws, rules or regulations of any government or government agency, or other events beyond the control of both Dominion and Customer. Dominion shall not be liable under this Agreement for any loss or damage to the Customer due to such delay or performance failures. Notwithstanding the foregoing, both Parties shall use their best efforts to minimize the adverse consequences of any such circumstances. This Section shall not operate to excuse any Party from paying amounts that are owed pursuant to this Agreement.

**18. Notices.** All notices required or permitted to be given hereunder shall be given in writing and shall be deemed to have been given when personally delivered or by nationally recognized overnight carrier or mailed, certified or registered mail, return receipt requested, addressed to the intended recipient as follows:

If to Dominion:

Dominion Voting Systems, Inc.  
Attn: Contracts Administrator  
1201 18<sup>th</sup> St., Suite 210  
Denver, CO 80202

If to the Customer:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**19. Choice of Law.** Interpretation of this Agreement shall be governed by the laws of the Customer's State, and the courts of competent jurisdiction located in that State will have jurisdiction to hear and determine questions relating to this Agreement.

**20. Waiver.** Any failure of a Party to assert any right under this Agreement shall not constitute a waiver or a termination of that right or any provisions of this Agreement.

**21. Legality and Severability.** This Agreement and the Parties' actions under this Agreement

shall comply with all applicable federal, state and local laws, ordinances, rules, regulations, court orders, and applicable governmental agency orders. If any term or provision of this Agreement is held to be illegal or unenforceable, the remainder of this Agreement shall not be affected thereby and each term or provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law. The Parties agree that any court reviewing this Agreement shall reform any illegal or unenforceable provision to carry out the express intent of the Parties as set forth herein to the fullest extent permitted by law.

**22. Entire Agreement.** This Agreement and its Exhibits incorporated herein by reference constitute the entire agreement, understanding and representations between Dominion and the Customer, and supersede and replace all prior agreements, written or oral. No modifications or representations to the Agreement shall be valid unless made in writing and signed by duly authorized representatives of both the Customer and Dominion, and incorporated as an Addendum hereto.

THE REMAINING OF THIS PAGE IS INTENTIONALLY BLANK

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

**CUSTOMER**

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

**DOMINION VOTING SYSTEMS, INC.**

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

**EXHIBIT A**

**VOTING SYSTEM AND MANAGED SERVICES AGREEMENT  
BY AND BETWEEN DOMINION VOTING SYSTEMS, INC.  
AND \_\_\_\_\_**

**PRICING AND PAYMENT SUMMARY AND DELIVERABLES DESCRIPTION**

**1. Pricing/Payment Summary and Descriptions**

- 1.1 **Pricing Summary.** The total annual managed service contract pricing shall equal \$ \_\_\_\_\_/year for a total of \_\_\_ years.
- 1.2 **Payment Summary.** The following is the invoicing schedule for the annual Customer payments. The Customer shall pay invoices in a timely manner and no later than thirty (30) calendar days from receipt of a Dominion invoice. All payments shall be made in U.S. Dollars.
  - 1.2.1 Year 1 shall cover the time period from the Agreement Effective Date through \_\_\_\_\_. The Year 1 invoice of \$ \_\_\_\_\_ shall be issued immediately after System Acceptance by the Customer.
  - 1.2.2 Year 2: \_\_\_\_\_ - \_\_\_\_\_; \$ \_\_\_\_\_ invoice shall be issued on \_\_\_\_\_.
  - 1.2.3 Year 3: \_\_\_\_\_ - \_\_\_\_\_; \$ \_\_\_\_\_ invoice shall be issued on \_\_\_\_\_.
  - 1.2.4 Year 4: \_\_\_\_\_ - \_\_\_\_\_; \$ \_\_\_\_\_ invoice shall be issued on \_\_\_\_\_.
  - 1.2.5 Year 5: \_\_\_\_\_ - \_\_\_\_\_; \$ \_\_\_\_\_ invoice shall be issued on \_\_\_\_\_.
  - 1.2.6 Year 6: \_\_\_\_\_ - \_\_\_\_\_; \$ \_\_\_\_\_ invoice shall be issued on \_\_\_\_\_.
- 1.3 **Optional Dominion Hardware purchase or amended Agreement.** Upon termination of the Agreement at the end of the six year managed serves period, the Costumer shall have the following options:
  - 1.3.1 Customer may purchase the hardware for a price of \$ \_\_\_\_\_. Should the County exercise this option, additional annual fees for software licenses and warranty (optional) will be applicable at Dominion's then current rates.
  - 1.3.2 Enter into an amended managed services agreement for an upgraded, certified voting system and related services provided by Dominion.

**2. System Description**

System Description	Quantity
ImageCast <sup>5</sup> _____ Scanner and Tabulator hardware and software license	
ImageCast <sup>2</sup> Central (ICC) Desktop Scanner hardware and software license	
Democracy Suite Software License	1



EMS Server	1
EMS Accessories	
Compact Flash Card Reader/Writer	1
iButton Reader/Writer	1
Product shipping is included in the pricing	N/A

- 2.1 **ImageCast<sup>®</sup> Evolution (ICE) Scanner and Tabulator (Hardware and Software)** is a precinct-level all in one, digital scanner, ballot marker, and accessible voting tabulator. Each ImageCast<sup>®</sup> (ICE) provided to the Customer shall consist of the following items:
- 2.1.1 Two (2) optical imaging heads for creating a duplex scanned image of each side of the ballot. Ballots can be fed in all four (4) orientations.
  - 2.1.2 Two (2) Compact Flash 4GB memory cards.
  - 2.1.3 An integrated 19" diagonal full color LCD with built-in touch screen.
  - 2.1.4 An internal thermal printer and one (1) paper roll for generating reports.
  - 2.1.5 An integrated inkjet printer for producing marked paper ballot during the accessible voter sessions.
  - 2.1.6 One (1) textured molded plastic ballot box made of a three (3) compartments, costumed designed for use with the ImageCast Evolution Tabulators.
  - 2.1.7 Two (2) administrative security key (iButton) used with an integrated receptacle (physically attached to the top of the unit and electrically connected to the motherboard) used for a variety of verification and security tasks such control, data confidentiality and integrity functions.
  - 2.1.8 A motorized paper feed mechanism for detecting and moving the ballot within the scanner. Ballots used with the ImageCast<sup>®</sup> must be 8.5" wide by a variable length (11", 14", 17" and 22"). The paper feed mechanism is physically capable of moving the ballot forward into the machine, across image sensors, enabling complete image capture of both sides of the ballot.
  - 2.1.9 An internal battery which is rated to provide a minimum of two (2) hours of normal use in the absence of AC power.
  - 2.1.10 Audit functionality, known as the AuditMark<sup>™</sup>. For each ballot that is scanned, interpreted and accepted into the unit, a corresponding ballot image is created and stored for audit purposes. The image consists of two parts described below. These images can be used to audit the unit's interpretation of each individual ballot.
    - The top portion of the image contains a scanned image of the ballot.
    - The bottom portion consists of a machine-generated type-out showing each mark that the unit interpreted for that particular ballot. This is referred to as an AuditMark<sup>™</sup>.
  - 2.1.11 The ImageCast Evolution is equipped with an integrated voting feature for voters needing additional assistance. It uses a single ballot path which does

not require the voter to have to go to an additional unit to cast the vote. The ImageCast Evolution features several accessible voting interfaces that allow voters with various disabilities to effectively vote, review and cast a paper ballot in a private and independent manner. The ImageCast Evolution offers the following user interfaces - touch screen interface for visual ballot review and ballot casting, accessible ballot marking interface (both audio and visual), assistive input devices for accessible ballot navigation and voting, including an ATI (Audio-Tactile Interface)

- 2.1.12 One (1) ATI is included with the ImageCast Evolution. The ATI connects to the ImageCast Evolution via the port located on the right side of the unit. A set of headphones (also included) connects directly to the ATI controller. Following the audio voting process using the ATI controller, the integrated inkjet printer produces a marked paper ballot which serves as the official ballot record.
- 2.2 One (1) ImageCast<sup>®</sup> Central Scanner. Dominion shall provide one (1) ImageCast<sup>®</sup> Central Scanner for use by the Customer. The ImageCast<sup>®</sup> Central Scanner is commercial off-the-shelf digital scanners configured to work with the ImageCast<sup>®</sup> Central Software for high speed ballot tabulation. The ImageCast<sup>®</sup> Central Scanner includes the following components:
  - 2.2.1 Canon DR-X10C high speed document scanner
  - 2.2.2 ImageCast<sup>®</sup> Central Software including third party Kofax VRS 4.5 software
  - 2.2.3 All-in-One Desktop Workstation with pre-loaded software and 19" monitor
  - 2.2.4 One (1) iButton Reader/Writers used with Democracy Suite to transfer security and election information to the iButtons for use with the ICC.
- 2.3 ImageCast<sup>®</sup> Evolution and Central Scanner Software. This Agreement includes software licenses for the ImageCast Evolution and Central software pursuant to the Software License Terms attached as Exhibit B.
- 2.4 Democracy Suite Software platform is a set of applications tailored for all pre-voting and post-voting activities. The Democracy Suite EMS consists of the following components:
  - 2.4.1 Election Event Designer (EED) Client Application is the primary application used for the definition and management of election event. EED is responsible for the definition of election projects. Each election project is represented as an instance of the election domain database with associated set of election project file based artifacts. The definition of the election project can be initiated by importing the election data from external systems or simply by defining all election project entities without importing external data. It is important to note that an election project initiated by importing data can be further modified within the EED Client Application.

The system can generate two types of paper ballots:

- Proofing ballots – ballots produced to allow election project stakeholders to proof ballot content and styling. These ballots



cannot be processed by the ImageCast® as they don't have proper ballot barcodes. These ballots are overprinted with the text "Proofing Ballots – date/time"

- Official ballots – represent production ready, press ready ballots in PDF format with barcodes and without any overprinting.

2.4.2 **Results Tally and Reporting (RTR) Client Application** is the application used for the tally, reporting and publishing of election results

2.4.3 **Audio Studio (AS) Client** is the utility used for recording audio files for audio ballot presentation for accessible voting.

2.5 **EMS System Hardware** Dominion will provide the EMS System Hardware required for operating the Democracy Suite Software system. The EMS System hardware shall consist of the following third party hardware and software components:

2.5.1 One (1) Master EMS Server consisting of Windows Server 2008 R2 Standard Edition, and Microsoft SQL Server 2008.

2.5.2 Server monitor and ancillary hardware (mouse, keyboard, etc.)

2.6 **The EMS System Accessories** described below shall be provided.

2.6.1 One (1) Compact Flash Reader/Writers used with Democracy Suite to upload ballot information to Compact Flashes used with both scanner types. These can also be used to transfer election results data to Democracy Suite.

2.6.2 One (1) iButton Reader/Writers used with Democracy Suite to transfer security and election information to the iButtons.

### 3. Services Description

3.1 **Project Management Support.** Dominion will provide project management support to oversee the general operations of the project through the Agreement Term. The project manager shall be responsible for arranging all meetings, visits and consultations between the parties and for all administrative matters such as invoices, payments and amendments. The project manager shall communicate with the Customer as to the status of information, procedures and progress on the tasks set out in this Agreement and alert of any material change in such plans.

3.1.1 Upon execution of this Agreement, the Parties shall develop and finalize a project implementation plan including a training and delivery schedule. The Parties agree that during the course of the implementation, changes to the project schedule may be required. Any changes to the project schedule must be mutually agreed to by both Parties and such agreement shall not be unreasonably withheld.

3.2 **Implementation Services.** During the implementation phase of the Agreement, Dominion shall provide the following services:

3.2.1 **System Acceptance Testing Support.** Dominion will provide direct onsite

training and support during the System Acceptance Testing period.

- 3.2.2 **EMS Server Installation, Configuration & Testing.** Dominion will provide a total of two (2) days of direct onsite support for EMS Server installation, configuration & testing.
- 3.2.3 **System Training.** Dominion shall provide a total of seven (7) days of direct onsite training for the System.
- 3.2.4 **Pollworker Training.** Dominion shall provide a total of six (6) Pollworker training classes (up to 25 students per class) for the first Election during the implementation period.
- 3.2.5 **Election Setup database support.** Dominion shall provide direct support for the Election database creation and ballot review for the first Election during the implementation period. Support shall include providing audio recording in English for the ballot content.
- 3.2.6 **Logic and Accuracy Testing Support.** Dominion will provide direct onsite support for Logic and Accuracy Testing for the first Election during the implementation period.
- 3.2.7 **On-Site Support during the Election** Dominion will provide direct onsite support for the first Election during the implementation period.
- 3.3 **Ongoing Services and Consumables.** Dominion shall provide the following services:
  - 3.3.1 **Election database and ballot review and audio ballot support.** Dominion shall provide support for the review of Election databases and ballots for up to two (2) Elections during each calendar year. Support shall include providing audio recording in English for the ballot content
  - 3.3.2 **Logic and Accuracy Testing Support.** Dominion will provide direct onsite support for Logic and Accuracy Testing for up to two (2) Elections during each calendar year.
  - 3.3.3 **On-Site Support during the Election.** Dominion will provide direct onsite support for up to two (2) Elections during each calendar year.
  - 3.3.4 **Preventative Maintenance.** Dominion shall provide an annual inspection and preventative maintenance during the Term as more specifically described in the Hardware Warranty section of the Agreement.
- 3.4 **Travel and Expenses included.** All costs of Dominion transportation, lodging and meal expenses are included during the Agreement Term.
- 3.5 **Other Services, Consumables or Equipment.** Any other services, consumables or equipment not specifically identified in this Agreement are available for purchase by the Customer at the then current Dominion list price.

**EXHIBIT B**

**VOTING SYSTEM AND MANAGED SERVICES AGREEMENT  
BY AND BETWEEN DOMINION VOTING SYSTEMS, INC.  
AND \_\_\_\_\_**

**SOFTWARE LICENSE TERMS AND CONDITIONS**

**1. Definitions.**

- 1.1. "Licensee" shall mean \_\_\_\_\_.
- 1.2. "Licensor" shall mean Dominion Voting Systems, Inc.
- 1.3. "Party" or "Parties" Licensor and Licensee may hereinafter be referred to individually as a Party and collectively as the Parties.
- 1.4. "Software" means the Democracy Suite<sup>®</sup> and ImageCast<sup>®</sup> software licensed by Licensor hereunder, in object code form, including all documentation therefore.
- 1.5. "Specifications" means descriptions and data regarding the features, functions and performance of the Software, as set forth in user manuals or other applicable documentation provided by Licensor.
- 1.6. "Third-Party Products" means any software or hardware obtained from third-party manufacturers or distributors and provided by Licensor hereunder.

**2. License Terms.**

- 2.1. License to Software. Subject to the terms of this Agreement, Licensor grants Licensee a non-exclusive, non-transferrable license to use the Software solely for the Licensee's own internal business purposes and solely in conjunction with the Software and hardware. This License shall only be effective during the Term and cannot be transferred or sublicensed.
- 2.2. Print Copyright License. Subject to the Print Copyright License terms and conditions as defined in Schedule A to this Agreement, Licensor grants to Licensee a non-exclusive, non-transferable print copyright license as defined in Schedule A.
- 2.3. Third-Party Products. Subject to the terms of this Agreement and when applicable, Licensor agrees to sublicense any software that constitutes or is contained in Third-Party Products, in object code form only, to Licensee for use during the Term as part of the System for the purposes described in Section 3.1 of this Agreement. This sublicense is conditioned on Licensee's continued compliance with the terms and conditions of the end-user licenses contained on or in the media on which such software is provided.
- 2.4. No Other Licenses. Other than as expressly set forth in this Agreement, (a) Licensor grants no licenses, expressly or by implication, and (b) Licensor's entering into and performing the Agreement will not be deemed to license or assign any intellectual property rights of Licensor to Licensee or any third party. Without limiting the foregoing

sentence. Licensee agrees not to use the Software as a service bureau for elections outside the Licensee's jurisdiction and agrees not to reverse engineer or otherwise attempt to derive the source code of the Software. The Licensee shall have no power to transfer or grant sub-licenses for the Software. Any use of all or any portion of the Software not expressly permitted by the terms of this Agreement is strictly prohibited.

3. **Payment.** In consideration of the grant of the license, the Licensee shall pay the fees set forth in Exhibit A of this Agreement

4. **Upgrades and Certification.** During the Term, Licensor may provide upgrades to Licensee under the following terms and conditions.

4.1. **Upgrades.** In the event that Licensor, at its sole discretion, certifies a software upgrade under the applicable provisions of the election laws and regulations of the Licensee's State, Licensor may make the certified software upgrade available to the Licensee and install the upgrade during a regularly schedule preventive maintenance as described in Exhibit A.

4.2. **Certification Requirement.** Notwithstanding any other terms of this Agreement, Licensor shall not provide, and shall not be obligated to provide under this Agreement any upgrade, enhancement or other software update that has not been certified under the applicable provisions of the election laws and regulations of the Licensee's State.

5. **Warranties.** The following warranties will apply to all Software during the Term.

5.1. **Software.** Licensor warrants that during the Term, the Software will function substantially in accordance with the Specification. If the Licensee believes that the Software is not functioning substantially in accordance with the Specifications, the Licensee shall provide Licensor with written notice of the material failure within thirty (30) days of discovering the material failure, provided that the Licensee can reproduce the material failure to Licensor. The foregoing warranty shall be void in the event of the Software (i) having been modified by any party other than Licensor or (ii) having been used by the Licensee for purposes other than those for which the Software was designed by Licensor. If Licensor establishes that the reported material failure is not covered by the foregoing warranty, the Licensee shall be responsible for the costs of Licensor's investigative and remedial work at Licensor's then current rates.

5.2. **Third-Party Products.** The warranties in this Section 5 do not apply to any Third-Party Products. However, to the extent permitted by the manufacturers of Third-Party Products, Licensor shall pass through to Licensee all warranties such manufacturers make to Licensor regarding the operation of such Third-Party Products.

5.3. **NO OTHER WARRANTIES.** LICENSOR DISCLAIMS ALL OTHER REPRESENTATIONS AND WARRANTIES, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.

**6. Prohibited Acts.** The Licensee shall not, without the prior written permission of Licensor:

6.1. Transfer or copy onto any other storage device or hardware or otherwise copy the Software in whole or in part except for purposes of system backup;

6.2. Reverse engineer, disassemble, decompile, decipher or analyze the Software in whole or in part;

6.3. Alter or modify the Software in any way or prepare any derivative works of the Software or any part of parts of the Software;

6.4. Alter, remove or obstruct any copyright or proprietary notices from the Software, or fail to reproduce the same on any lawful copies of the Software.

**7. Return of Software.** Upon termination or expiration of this Agreement, Licensee shall (i) forthwith return to Licensor all Software in its possession or control, or destroy all such Software from any electronic media, and certify in writing to Licensor that it has been destroyed.

## SCHEDULE A

### PRINT COPYRIGHT LICENSE TERMS AND CONDITIONS

1. **Definitions.** For the purposes of this Agreement, the following are defined terms:
  - 1.1. "Derivative Works" shall mean any work that is based upon or derived from the Licensor's voting systems' ballots, including without limitation, sample ballots and voting booklets.
  - 1.2. "Voting Systems' Ballots" shall mean any ballot created for use with any voting system owned or licensed by the Licensor.
2. **Print Copyright License and Use.**
  - 2.1. Copyright License Grant. Licensor grants to the Licensee a non-exclusive, non-transferable copyright license to print, reproduce, distribute or otherwise copy the Licensor's Voting Systems' Ballots or any Derivative Works (collectively the "Materials") pursuant to the terms and conditions of this Schedule A.
  - 2.2. Copyright License Use. Other than as expressly set forth herein, (a) Licensor grants no other licenses, expressly or by implication, and (b) Licensor's entering into and performing the Agreement will not be deemed to license or assign any intellectual property rights of Licensor to Licensee or any third party, (c) the copyright license granted herein cannot be transferred or sublicensed and the Voting Systems' Ballots or Derivative Works cannot be reproduced by any third party without the prior written consent of the Licensor, including without limitation:
    - (i) any commercial or non-commercial printer
    - (ii) any third party vendor using ballot on demand system.
  - 2.3. Rights and Interests. All right, title and interest in the Material, including without limitation, any copyright, shall remain with the Licensor.
3. **No Copyright Warranties.** LICENSOR DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.



**SOFTWARE LICENSE AGREEMENT**

This Software License Agreement (the "Agreement") is made on the \_\_\_\_ day of \_\_\_\_  
\_\_\_\_ ("Effective Date")

BETWEEN

DOMINION VOTING SYSTEMS, INC., located at 1201 18<sup>th</sup> Street, Suite 210, Denver,  
CO 80202 ("Licensor")

AND

\_\_\_\_ ("Licensee")

**WHEREAS** The Licensee wishes the Licensor to grant to it a license to use the Software as defined in this agreement and the Licensor is agreeable to granting such a license subject to the following terms and conditions:

**NOW IT IS HEREBY AGREED AS FOLLOWS:**

**1. Definitions.**

- 1.1. "Party" or "Parties" Licensor and Licensee may hereinafter be referred to individually as a Party and collectively as the Parties.
- 1.2. "Software" means software and firmware licensed by Licensor hereunder, in object code form, including all documentation therefore
- 1.3. "Specifications" means descriptions and data regarding the features, functions and performance of the Software, as set forth in user manuals or other applicable documentation provided by Licensor
- 1.4. "Third-Party Products" means any software or hardware obtained from third-party manufacturers or distributors and provided by Licensor hereunder.

- 2. **Term.** This Agreement is effective as of the Effective Date and expires on the day before the first anniversary of the Effective Date ("Initial Period"), unless earlier terminated or extended as provided herein. After the Initial Period, Licensee may extend the effectiveness of this Agreement for up to four (4) years ("Software Renewal Term") by paying the Annual Software License Fee set forth in Schedule A of the Agreement within thirty (30) days of receiving an invoice from Licensor. The period during which this Agreement is in effect is referred to herein as the "Term". On expiration of the Term (a) the licenses granted in this Agreement will automatically terminate, (b) Licensee shall cease any further use of the Software, and (c) return the Software pursuant to Section 12 herein. Notwithstanding such expiration or termination, Section 4 (Payment) to the extent any payment is due and Section 7 (Confidential Information) will survive any expiration or termination of this Agreement in accordance to their respective



terms. The terms of this Agreement that do not survive expiration or termination will nonetheless be effective in determining the Parties' rights and obligations for events taking place before such expiration or termination.

### 3. License Terms.

3.1. License to Software. Subject to the terms of this Agreement, Licensor grants Licensee a non-exclusive, non-transferrable license to use the Software solely for the Licensee's own internal business purposes and solely in conjunction with the Software and hardware. This License shall only be effective during the Term and cannot be transferred or sublicensed. This License includes the types and numbers of copies specified in Schedule A of the Software identified therein.

3.2. Print Copyright License. Subject to the Print Copyright License terms and conditions as defined in Schedule B to this Agreement, Licensor grants to Licensee a non-exclusive, non-transferable print copyright license as defined in Schedule B.

3.3. Third-Party Products. Subject to the terms of this Agreement and when applicable, Licensor agrees to sublicense any software that constitutes or is contained in Third-Party Products, in object code form only, to Licensee for use during the Term as part of the System for the purposes described in Section 3.1 of this Agreement. This sublicense is conditioned on Licensee's continued compliance with the terms and conditions of the end-user licenses contained on or in the media on which such software is provided.

3.4. No Other Licenses. Other than as expressly set forth in this Agreement, (a) Licensor grants no licenses, expressly or by implication, and (b) Licensor's entering into and performing the Agreement will not be deemed to license or assign any intellectual property rights of Licensor to Licensee or any third party. Without limiting the foregoing sentence, Licensee agrees to use each copy of the Software outlined in Schedule A hereto, with which the copy is supplied, agrees not to use any Software as a service bureau for elections outside the Licensee's jurisdiction and agrees not to reverse engineer or otherwise attempt to derive the source code of any Software. The Licensee shall have no power to transfer or grant sublicenses for the Software. Any use of all or any portion of the Software not expressly permitted by the terms of this Agreement is strictly prohibited.

4. **Payment**. In consideration of the grant of the license, the Licensee shall pay Licensor the Annual Software License Fee set forth in Schedule A of the Agreement within thirty (30) days of receiving an invoice from Licensor. Licensee is responsible for all sales, excise, personal property or other taxes or duties on the amounts paid or products or services provided under this Agreement. If Licensee is exempt from such taxes or duties, Licensee shall provide Licensor with a tax exemption certificate.

5. **Upgrades and Certification**. During the Term, Licensor may provide upgrades to Licensee under the following terms and conditions.

5.1. Upgrades. In the event that Licensor, at its sole discretion, certifies a software upgrade under the applicable provisions of the election laws and regulations of



the Licensee's State, Licensor may make the certified software upgrade available to the Licensee. The Licensee shall bear the costs and labor of installing the software upgrade.

5.2. Certification Requirement. Notwithstanding any other terms of this Agreement, Licensor shall not provide, and shall not be obligated to provide under this Agreement any upgrade, enhancement or other software update that has not been certified under the applicable provisions of the election laws and regulations of the Licensee's State.

**6. Warranties.** The following warranties will apply to all Software during the Term.

6.1. Software. Licensor warrants that the Software, for a period of one (1) year following delivery to the Licensee, will function substantially in accordance with the Specification. If the Licensee believes that the Software is not functioning substantially in accordance with the Specifications, the Licensee shall provide Licensor with written notice of the material failure within thirty (30) days of discovering the material failure, provided that the Licensee can reproduce the material failure to Licensor. The Licensee's exclusive remedy under this warranty shall be, at Licensor's sole option (a) return of the Annual Software License Fee set forth in Schedule A paid by the Licensee (if any) for the Software, or (b) Licensor shall use reasonable efforts to correct the material failure of the Software. The foregoing warranty shall be void in the event of the Software (i) having been modified by any party other than Licensor or (ii) having been used by the Licensee for purposes other than those for which the Software was designed by Licensor. If Licensor establishes that the reported material failure is not covered by the foregoing warranty, the Licensee shall be responsible for the costs of Licensor's investigative and remedial work at Licensor's then current rates.

6.2. Third-Party Products. The warranties in this Section 6 do not apply to any Third-Party Products. However, to the extent permitted by the manufacturers of Third-Party Products, Licensor shall pass through to Licensee all warranties such manufacturers make to Licensor regarding the operation of such Third-Party Products.

6.3. NO OTHER WARRANTIES. LICENSOR DISCLAIMS ALL OTHER WARRANTIES AND REPRESENTATIONS, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.

**7. Confidential Information.** Licensee acknowledges that the Software and related documentation (collectively, the "Information") (i) constitutes confidential and proprietary trade secrets, disclosure of which would materially injure Licensor's business and competitive position, and (ii) is exempt from disclosure under the terms of any applicable freedom of information, open public records act or similar statute ("FOIA Statute"). Licensee therefore agrees, to the maximum extent permitted by law, to keep confidential and not to disclose any of the Information to any other person or entity, or use such Information for any purpose other than as expressly

permitted by this Agreement. Licensee shall limit disclosure to employees of Licensee having a need to know to perform their duties to Licensee who have agreed in writing to be bound by the restrictions of this Section 7. Licensee shall take any and all action necessary or appropriate to assert all applicable or potentially applicable exemptions from disclosure under the FOIA Statute and take all other legally permissible steps to resist disclosure of the Information including, without limitation, commencement or defense of any legal actions related to such disclosure. In the event Licensee receives a request for Information under the FOIA Statute, Licensee shall inform Licensor of such request within ten (10) days of Licensee's knowledge or such shorter period as necessary under the FOIA Statute to avoid prejudice to Licensor's ability to oppose disclosure. In the event Licensee is nonetheless required by law to disclose any of the Information, Licensee shall give written notice to Licensor at the earlier of (i) twenty (20) business days prior to disclosure or (ii) such longer period as may be required by applicable law.

**8. Prohibited Acts.** The Licensee shall not, without the prior written permission of Licensor:

8.1. Transfer or copy onto any other storage device or hardware or otherwise copy the Software in whole or in part except for purposes of system backup;

8.2. Reverse engineer, disassemble, decompile, decipher or analyze the Software in whole or in part;

8.3. Alter or modify the Software in any way or prepare any derivative works of the Software or any part of parts of the Software;

8.4. Alter, remove or obstruct any copyright or proprietary notices from the Software, or fail to reproduce the same on any lawful copies of the Software.

**9. Limitation of Liability.** Licensor's total aggregate liability for any loss, damage, costs or expenses under or in connection with this Agreement and in connection with the Software howsoever arising, including without limitation loss, damage, costs or expenses caused by breach of contract, negligence, strict liability, breach of statutory or any other duty shall in no circumstances exceed the License fee paid by the Licensee to Licensor under this Agreement. Neither party shall be liable for any loss of profits, loss of business, loss of data, loss of use or any other indirect, incidental special or consequential loss or damage whatsoever, howsoever arising, incurred by either Party or any third party, whether in an action in contract, negligence or other tort, even if the parties or their representatives have been advised of the possibility of such damages.

**10. Force Majeure.** Licensor's obligations hereunder will be suspended so long as its performance is impeded or prevented by causes beyond Licensor's reasonable control, including natural disasters, embargoes, acts of war (including terrorist attacks), labor disturbances and acts or regulations of governmental entities.

**11. Termination for Cause.** If either Party materially breaches this Agreement and does not cure the breach within 30 days after receiving written notice of the breach from the non-breaching Party, the non-breaching Party may terminate this Agreement

as of a termination date specified in that notice or in a subsequent notice delivered within the 30-day period. If the breach cannot be completely cured within the 30-day period, no default will occur if the Party receiving the notice begins curative action within the 30-day period and thereafter proceeds with diligence and in good faith to cure the breach as soon as practicable.

**12. Return of Software.** Upon termination or expiration of this Agreement, Licensee shall (i) forthwith return to Licensor all Software in its possession or control, or, if so requested by Licensor, destroy all such Software from any electronic media, and certify in writing to Licensor that it has been destroyed.

**13. Miscellaneous.**

13.1. Assignment. Neither Party may assign any rights or delegate any obligations under this Agreement without the prior written consent of the other Party, provided that Licensor may subcontract Services upon 30 days' prior written notice to Licensee. Any attempted assignment in violation of this Section 13.1 will be null and void.

13.2. Severability. If any term of this Agreement is held to be unenforceable, the other terms of this Agreement will be enforced to the fullest extent permitted by law.

13.3. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original but all of which together will constitute one and the same instrument.

13.4. Governing Law. This Agreement will be construed under the laws of the Customer's state identified on Page 1 of this Agreement, and the state and federal courts within the Customer's state shall have non-exclusive jurisdiction for all actions to enforce this Agreement.

13.5. Waiver. No waiver or failure by a Party to assert any right under this Agreement on any one occasion will operate as a waiver of any other right on that occasion or any right on any other occasion.

13.6. Notices. All notices under this Agreement will be delivered personally, email, sent by nationally recognized express courier or sent by certified or registered U.S. mail, return receipt requested, to the addresses set forth on Page 1. Notices will be deemed effective on personal receipt, receipt of such electronic facsimile confirmation, two days after such delivery by courier or such mailing by U.S. mail.

13.7. Interpretation. This Agreement, including all Schedules, is the complete and final expression of the Parties' agreement regarding its subject matter and supersedes all prior or contemporaneous communications or agreements, written or oral, by the Parties regarding such subject matter. In the event of any conflict between these Terms and Conditions and any provisions set forth in any other part of this Agreement, these Terms and Conditions will prevail. No amendment or supplement to this Agreement is effective unless in writing and signed by both Parties' authorized representatives. The word "include" (or any of its derivatives) is deemed to be followed in all contexts by the words "without limitation." Headings are included for convenience and will be ignored in interpreting this Agreement.

**13.8 No Third Party Beneficiaries.** Licensor and Licensee agree that this Agreement is for the benefit of the parties hereto and is not intended to confer any rights or benefits on any third party, and that there are no third-party beneficiaries of this Agreement or any part or specific provision of this Agreement, and no third party shall have any right to enforce this Agreement or any provision hereof.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the Effective Date.

**DOMINION VOTING SYSTEMS, INC.**

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

**[LICENSEE]**

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
PRINTED NAME

\_\_\_\_\_  
TITLE

\_\_\_\_\_  
DATE

Dominion Voting Systems Inc  
Version 7/25/16

Software License Agreement  
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**SCHEDULE A**  
**PRICING AND PAYMENT SCHEDULE**

Annual Software License Fee

Quantity	Product Description	Unit Price	Extended Price
<b>Total Price</b>			

Payment Terms

1. Licensee shall pay the amounts indicated within 30 days from receipt of Licensor's invoice.
2. To the extent this Agreement is extended for an additional year or years pursuant to Section 2 herein, Licensor reserves the right to increase the Annual Software License Fee within five percent (5%) of the previous year's fee. The increase would begin at the start of the contract term.

## SCHEDULE B

### PRINT COPYRIGHT LICENSE TERMS AND CONDITIONS

#### 1. Definitions.

- 1.1. "Derivative Works" shall mean any work that is based upon or derived from the Licensor's voting systems' ballots, including without limitation, sample ballots and voting booklets.
- 1.2. "Voting Systems' Ballots" shall mean any ballot created for use with any voting system owned or licensed by the Licensor.

#### 2. Print Copyright License and Use.

- 2.1. Copyright License Grant. Licensor grants to the Licensee a non-exclusive, non-transferable copyright license to print, reproduce, distribute or otherwise copy the Licensor's Voting Systems' Ballots or any Derivative Works (collectively the "Materials") pursuant to the terms and conditions of this Schedule A.
- 2.2. Copyright License Use. Other than as expressly set forth herein, (a) Licensor grants no other licenses, expressly or by implication, (b) Licensor's entering into and performing the Agreement will not be deemed to license or assign any intellectual property rights of Licensor to Licensee or any third party, and (c) the copyright license granted herein cannot be transferred or sublicensed and the Voting Systems' Ballots or Derivative Works cannot be reproduced by any third party without the prior written consent of the Licensor, including without limitation:
  - (i) any commercial or non-commercial printer
  - (ii) any third party vendor using ballot on demand system.
- 2.3. Rights and Interests. All right, title and interest in the Material, including without limitation, any copyright, shall remain with the Licensor.

**3. No Copyright Warranties.** LICENSOR DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER WRITTEN, ORAL, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE.

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## **Attachment #7 – Sample Acceptance Test Checklists for Equipment**

On the following pages, Dominion has provided Sample Acceptance Test Checklists for ImageCast equipment. These documents will be tailored and customized for specific Ohio customers. Dominion is happy to discuss further upon request.



## On-Site Acceptance Test Checklist ICE - ImageCast® 400 Series Dual Screen

JURISDICTION: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PCOS MODEL: \_\_\_\_\_  
 FW VERSION: \_\_\_\_\_  
 PCOS SERIAL NUMBER: \_\_\_\_\_

STEP NO.	STAGE DESCRIPTION	DETAILS	#	COMMENTS <i>Please list any anomalies or issues and resolution.</i>
<b>Unpacking &amp; Inspection Stage</b>				
1	Unpacking	Ensure the system is properly packed in a large plastic zip-tight bag.	1	
2		Ensure that the following items are present in the packaging box: <ul style="list-style-type: none"> <li>1. Box with black ink cartridge</li> <li>2. Two (2) BGR Compact Flash cards</li> <li>3. Two (2) Security Keys (Buttons)</li> </ul>	2	
3		Ensure there you don't see or hear any loose screws or parts.	3	
4	Inspection	Unit has all plastic parts assembled and intact (plastic cover, LED paper, CF Card doors, AVS and Port door, thermal printer door, privacy flags).	4	
5		Ensure that there are no obvious scratch marks, dents or spots.	5	
6		Check that all the desired stickers/labels are present. Ensure that there are no undesired stickers/labels.	6	
<b>Power Up and System Status Verification (with Test CF cards)</b>				
7	System Power Up	Insert two (2) CF cards programmed with a Test Election Project into the memory card slots of the tabulator. Note: The Test Election Project must be compatible with the SW installed on the tabulator. If the SW version is not known, insert any two CF cards and perform steps 7-9 to identify.	7	
8		Power up the system and verify that the appropriate audio-visual indications are seen and heard.	8	
9	Status Verification	Confirm that only the following start up warning message is displayed: "Inkjet Printer not ready." Acknowledge the message then start up in Technician Mode.	9	
10		Verify the following: <ul style="list-style-type: none"> <li>1. Battery Icon on-screen displays &gt;90% Battery charge level</li> <li>2. Plug in unit and confirm audio and visual indications for AC power connection.</li> <li>3. Verify that the expected SW Application Version for ir bound acceptance is displayed at the bottom of the screen. Record the SW Version in the placeholder on this document.</li> <li>4. Ensure that the System Health icon is colored white.</li> <li>5. Ensure the correct local date and time are displayed.</li> </ul>	10	
11		Go to Diagnostics > System Status and verify that all system components are correctly detected.	11	
<b>Functional Testing (with Test Election CF cards)</b>				
<small>(Note: This section is to be performed based on the 129 CDS 2.3 ImageCast® 400 Series Acceptance Machine Application Test Checklist)</small>				
12	Election Project Testing	Install the ink cartridge in the inkjet printer.	12	
13		Exit from Technician Mode and start-up Election Mode.	13	
14		Press the Open Poll button and print a status report. Verify that the report displays the correct Machine Serial Number and Date and Time.	14	
15		Verify that the # of ballots cast is zero.	15	
16		Perform a single session of Accessible Voting under battery power. Note: This is not a conclusive battery capacity test but only verification of the battery's ability to hold charge. Re-Connect to AC power source upon completion.	16	
17		Connect Secondary Monitor, if applicable. Connect ATI and Headphones.	17	
18		Perform Standard Voting using the Ballot Test Deck provided, if applicable, apply Admin Key to access menu to print waiting AVS ballot marked during Audio Session.	18	
19		Close the polls and print the results report. Verify that the results on the report match the expected results as per the Master Results Report Tape.	19	
20		Transmit results v.a modem, if applicable. When successful, go to next step. If no transmission used, continue to next step.	20	
21		Re-zero the CF cards.	21	
22	Power Down & Sign	Follow the standard procedure to power down the tabulator then close the privacy flags and lay the display screen into the storage position.	22	
23		Unplug AC power cord and any peripheral devices attached to the tabulator.	23	
24		Record the machine Serial Number in the Inventory Database.	24	
25		Place the completed and signed Checklist with the tabulator.	25	

TECHNICIAN: \_\_\_\_\_ IMPLEMENTATION MANAGER: \_\_\_\_\_

WEB 4/20/15 8:00 AM REVISED BY: JLS/STJ/2/14/15



ImageCast® Precinct Series Internal Acceptance Test Checklist - Receiving

Reference Docs: Imagecast L1 Tech guide v0-02 20100310 Level 1 Maintenance Manual  
Acceptance Election Application Test Procedure Version 2.3

PCOS Model: \_\_\_\_\_ SW Version (Received): \_\_\_\_\_

PCOS Serial Number: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_

Step No.	Stage Description	Expected Results	Pass	Fail	Comments / Defects
<b>First Level - Inspection Stage</b>					
1	Unpacking	Ensure that the system is properly packed in a 70-lb bag with three (3) desiccant packs.			
2		Ensure that the following items are present in the packaging box: 1. Power Supply unit (rated 10V, 6.3A - 120W) 2. Power cord 3. Two (2) 8GB Compact Flash cards 4. Two (2) Security Keys (dickies)			
3	Inspection	Check the entire unit for damage (scratches, dents, etc.).			
4		Verify that all of the screws and hardware are installed correctly.			
5		Verify that all of the external doors are installed and function properly.			
6		Verify that the KCP is secured to the ballot box correctly.			
7		Make sure that the ATU (and connecting cable), headframe and key-up-out devices are in the ballot box.			
8	System Power Up Status Verification	Insert two (2) Programmed memory cards with a test election into the Primary and Secondary card slots respectively. NOTE: The test election programmed on the cards must be compatible with the version of SW running on the machine.			
9		Power up the unit and verify that the appropriate audio visual indications are seen and heard.			
10		When prompted by the Operator Screen (accompanied by an audible beep), place your Security Key against the metal tab on the tabulator labeled "Security Key" and hold it in position until the Operator Screen gives the following message: "Key Accepted. Validating Election Flag."			
11		Ensure that the ATU is plugged into the unit.			
12		Select "Diagnostics" from the Administrator Menu. Select "Complete".			
13		Verify that all Diagnostic functions complete successfully.			
14		Select the "Open Poll" option from Administrator menu. The Operator Screen will display that the totals are zero. Press the "Start" button to print a Zorro Tape showing that results are zero.			
15	Election Project Testing	Inspect the printed tape and verify that the unit serial number on the tape matches the serial number on the bottom of the tabulator.			
16		Unplug the AC power adapter from the rear of the machine; verify that the tabulator is running on battery.			
17		Perform Standard Voting using the provided test deck for the test election. NOTE: This is not a conclusion battery capacity test but only a verification that the battery can hold a charge.			
18		Plug the AC power adapter back into the rear of the unit.			
19		Apply the "Security Key" to enter the Administrator Menu. Initiate all accessible voting session.			
20		Enter Ballot ID and/or confirm the election. Confirm the audio ballot announcements with an audio presentation on at the headphones.			
21		Follow the audio voting instructions and make ballot selections with the ATU.			
22		Close the polls, print the results tape and re-zorro the tabulator.			
23		Verify that the results on the report match the expected results.			
24		Follow the standard power down procedure. Remove the test election cards.			
25	Power Down and Signatures	Unplug any peripheral devices attached to the tabulator. ATU.			
26		Record the Machine Serial number in the Inventory DB.			
27		Place the completed and signed checklist with the tabulator.			
28		Store the system away or send it to dispatching, whichever is required.			
Technician Name and Signature _____					
Project Manager _____					



Scanner Model: \_\_\_\_\_

County Name: \_\_\_\_\_

**PREVENTIVE MAINTENANCE  
ImageCast Central**

Scanner Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_

ICC Workstation Number: \_\_\_\_\_




**Sample Document**

ImageCast Central SW Version: \_\_\_\_\_

Step No.	Stage Details	Pass	Fail	Comments / Defects
<b>Mechanical Scanner Inspection, Cleaning and Maintenance</b>				
1	Open the scanner.			
2	Blow out the paper dust from the entire inside unit including top front/back rollers and bottom front/back rollers; remove any remaining dust with a soft cloth.			
3	Open the top front roller (roller lid) and inspect existing 2 rollers.			
4	Remove the first set of top rollers=> inspect rollers (for rough edges) and replace as needed; blow out any additional dust. Repeat the same process with the 2nd set of top rollers.			
5	Remove the bottom rollers and inspect (for rough edges) and replace as needed—blow out any dust from the area.			
6	Press and hold the stop key (orange button) on the control panel and blow dust out of the platen rollers. (3 sets).			
7	Slightly dampen a clean cloth with water and wipe the CIS to clean the ballot ink from it.			
8	Clean the outside with a soft cloth and blow out the exterior top rollers to ensure all paper dust has been removed.			
<b>Power Up and System Status Verification</b>				
9	Power up the scanner. Check status display on the scanner states "Ready".			
10	Power up and log into the Image Cast Central (ICC) Workstation.			
11	Check the date and time on the Workstations.			
12	On the ICC Workstation, verify the Software Revision is 4.14.4. In Windows Explorer, right click "C:\DVS\bin\ImageCast Central.exe", select Properties, Details.			
<b>Calibration Testing</b>				
13	Turn on the ICC Scanner.			
14	Insert the Calibration Scanner Index Card face-up.			
15	Go to My PC and find the Kofax folder which has a VRS (Visual Read) Test Application. Launch the application.			
16	In the VRS test application, select Source => Scanner (in the menu at the top). Cannon DRX10C with AIPE is selected and click the "OK" button.			
17	Verify that the scanner settings has been set for Legal size paper by going to Source => Properties. Select the Legal size.			
18	Press the scan toolbar button (3rd button in the toolbar). Verify the calibration sheet scanned on to the the All In One monitor.			
19	Verify in ICC application that base ICC setting for Kofax interface has been set up. Go to Advance Properties and verify the settings are correct. (Brightness=50 Contrast = 0, Gamma = -20). Brightness should not be any higher than 65. If any of the following 3 steps upon scanning the calibration sheet do not match, adjust the brightness up/down one value at a time and rescan as needed.			





Step No.	Stage Details	Pass	Fail	Comments / Defects
20	On the top of the scanned calibration sheet (see photo to right), verify the first 4 light gray boxes do not appear between lines 5 and 10 (on the left). Boxes 5 through 10 should appear with different levels of darkness. If they are still visible, adjust the brightness and rescan until they do not appear.			
21	Verify around line 20 the outlined 3 x3 square boxes do not appear on the scanned calibration. Adjust brightness as needed to ensure step 21 and step 22 are accurate.			
22	Verify around line 35 (on the left) and on the right (60.0) the first box is black and the second box (13.0) is white. If line 60 is not black adjust contrast and if line 13 is not white adjust brightness until they meet expectations. Rescan each time.			
<b>Functional Testing (with Western States Test Deck)</b>				
23	On the ICC workstation, open Windows Explorer, navigate to the "C:\DVS" folder and rename it as "C:\DVS.1"			
24	Create a new "C:\DVS" folder, navigate to the "C:\DVS.1" folder and find the "bin" and "config" folders. Copy/paste them into the new "C:\DVS" folder. Attach the flash drive with the Western States Test and Demo ICC config files.			
25	Using Windows Explorer, navigate to the Western States Test and Demo ICC config files on the flash drive. Copy/paste all the files into the "C:\DVS\config" folder.			
26	Start up the ImageCast Central Application. Using the iButton enter the passcode for the Supervisor mode.			
27	In the scanner, place the 60 card ICC Test Deck. Make sure ballots have 4 orientations on the top of the test deck (Face first top, face first, bottom, back first top, back first, bottom).			
28	Verify the secondary path is blank or empty since the files are as local for PM test deck.			
29	Click on Scan Options, and uncheck all stop settings as you do not want the ICC to stop.			
30	Click on the Supervisor Icon to switch to Administrator Mode. Enter the Admin password.			
31	Click on "Properties" and select "Maximum" under paper size.			
32	Go to Advance and verify using the correct local ICC configuration. This will be defined by Customer. Verify settings in the scanner are correct - contrast = 0 gamma = -20, brightness between 50 & 70 adjusted from calibration test. Click OK when completed.			
33	In the ICC application, click the Scanning button on the top, then the "Scan" button on the bottom left of the screen to start scanning the test ballots. When completed, click Accept.			
34	Use the iButton to enter Administrative mode. Enter password. Click on Configuration and click "Close Tabulator." Click OK when completed.			
35	Click "Show Results" button and click OK then the results appear.			
36	Validate the pattern is 1,2,3,4, 5 and multiples of each in the contests. Save the Report Results as "PM YYYY Results.txt" on the desktop of the ICC.			
37	Print 'Zero' Report with client present and save it to the desktop in the format: countyname_PM_MMDDYYYY			
38	Go to the DVS folder and right click "delete" it.			
39	Rename DVS.1 back to DVS (removing the 1)			
40	Power down the equipment & store the system away as required.			
41	Sign and date the checklist and attach the zero report if a printer is available to print it.			

Additional Notes or Comments:

Technician Signature and Initials: \_\_\_\_\_  
 V1.004/10/2017

Customer Signature: \_\_\_\_\_ Page 2



DOMINION VOTING		Acceptance Test Checklist ImageCast X		PAGE: _____	
Serial Number: _____		<b>SAMPLE DOCUMENT</b>		ImageCast X Software Version: 4.21.2009.20419	
Step Number	Step	Details	Pass	Fail	Comments/Notes
<b>Stage 1 - Receiving</b>					
1	Unpack	Place the system in a clean, dry location and keep it cool.			
2		Remove the ImageCast X system from the shipping container and check the components:			
3		1. (1) All components are present and correct (check manufacturer's list)			
4		2. (1) All components are properly packed and protected (check manufacturer's list)			
5		3. (1) All components are in good condition (check manufacturer's list)			
6		4. (1) All components are properly labeled and identified (check manufacturer's list)			
7		5. (1) All components are properly stored and protected (check manufacturer's list)			
8	Inspect	Inspect the system for any damage or missing components.			
<b>Stage 2 - System Setup, Power Up and Verification</b>					
9	System Setup	Place each component in its location.			
10		Connect each component to the system.			
11	System Power Up	Power on the system.			
12		Check the system for any error messages.			
13		Verify the system is running correctly.			
14	Date and Time	Verify the date and time are set correctly.			
15	Printer	Verify the printer is connected and configured correctly. Verify the printer is online.			
16	Power and Software Verification	Verify the system is powered on and the software is running. Verify the system is ready for use.			



Acceptance Test Checklist  
ImageCast X

ImageCast X Software Version: 4.2.128.0 (2016)

Installation Date: \_\_\_\_\_  
Installation Location: \_\_\_\_\_

# SAMPLE DOCUMENT

Date: \_\_\_\_\_

ImageCast X Software Version: 4.2.128.0 (2016)

Step Number	Step	Details	Pass	Fail	Comments/Status
<b>Stage 3 - Functional Testing (with Mock Election)</b>					
17	Functional Test	Power on the system to the AT device.			
18		Check program is loaded.			
19		Verify the program can be loaded into the memory of the AT device.			
20		Verify the AT device can be loaded into the memory of the AT device.			
21		Verify the AT device can be loaded into the memory of the AT device.			
22	Re-Start Results	After marking a ballot, the AT device should be able to load the ballot into the AT device.			
23		Verify the AT device can be loaded into the memory of the AT device.			
24	System Power Down	Verify the AT device can be loaded into the memory of the AT device.			
25	Down	Verify the AT device can be loaded into the memory of the AT device.			
26	Signatures	Verify the AT device can be loaded into the memory of the AT device.			
27	Finish	Verify the AT device can be loaded into the memory of the AT device.			

Installation Date: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Page 2 of 2

