



Enhancing the State of Ohio Election Process

ITB #OT902619 for Voting Systems

October 26, 2018

Craig Seibert, Ohio Sales Manager
(402) 321-3865; cwseibert@essvote.com

Election Systems & Software, LLC
11208 John Galt Boulevard
Omaha, NE 68137

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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 Election Systems & Software, LLC	
BID NUMBER OT902619	OPENING DATE (1:00 p.m.) October 26, 2018	STREET ADDRESS <input checked="" type="checkbox"/> Check if remit address is different and list on separate sheet 11208 John Galt Blvd	
General Services Division Office of Procurement Services 4200 Surface Road Columbus, OH 43228-1395 Attn: Bid Desk		CITY STATE ZIP Omaha, NE 68137	
		COUNTY Douglas	MBE/EDGE CERTIFICATE NUMBER N/A
		TELEPHONE NO. 402.970.1100	TOLL FREE NO. 800-247-8683
		CONTACT PERSON Richard J. Jablonski	FAX NO. 402.970.1282
REQ./INDEX NO. MAC113	BID NOTICE DATE September 27, 2018	CONTRACTOR'S E-MAIL ADDRESS djjablonski@essvote.com	

SELECT YOUR PREFERRED METHOD OF RECEIVING PURCHASE ORDERS AND ENTER THE E-MAIL OR FAX NUMBER INFORMATION (ONLY SELECT ONE METHOD)
 E-Mail **orders@essvote.com** Fax

In addition to the standard terms for payment, the payment terms for state agency(ies) will be 2%, 10 Days, Net 30 Days unless otherwise stated in the following space. If no discount is offered, bidder should circle "Net 30 Days". _____%, _____ Days, Net 30 Days

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:

Voting Systems

TERM OF CONTRACT: 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 11/05/18 or upon the date when DAS signs the Contract, whichever is later in time. The Contract will expire 06/30/23 unless DAS terminates the Contract based upon reasons set forth in the Standard Contract Terms and Conditions. No agency 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.

CONTRACT RENEWAL: 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 36 months unless the Contracting Agency determines that additional renewal is necessary.

INSTRUCTIONS TO BIDDERS and **STANDARD TERMS AND CONDITIONS**, 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").

INQUIRIES: All inquiries should be submitted a minimum of five (5) working days prior to the bid opening date through the Procurement website, <http://procure.ohio.gov>. 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.

Richard J. Jablonski, VP of Finance	AUTHORIZED SIGNATURE (ORIGINAL SIGNATURE ONLY) (Please sign in blue ink) 	DATE 10/23/2018
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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.

D. W.
10-26-18

Effective: 01/01/18
 I HEREBY CERTIFY THAT THIS BID WAS PROPERLY SEALED, OPENED AND READ PUBLICLY IN ACCORDANCE WITH 125.10 ORC

INVITATION TO BID

REMIT ADDRESS

ES&S' remit address, as follows, is different than the ES&S' street address.

ES&S RESPONSE

ES&S PAYMENT REMITTANCE ADDRESS

6055 Paysphere Circle

Chicago, IL 60674

October 22, 2018

Mr. Matthew Damschroder
Deputy Assistant Secretary of State/Director of Elections
General Services Division
Office of Procurement Services
4200 Surface Road
Columbus, OH 43228-1395
Attn: Bid Desk

RE: ITB OT902619 for Voting Systems

Dear Mr. Damschroder,

Election Systems & Software, LLC (“ES&S”) is pleased to present the State of Ohio this proposal for a voting system solution certified by the State and the Election Assistance Commission. Your transition to our leading-edge tabulation technology will improve all aspects of the election process for your voters, election staff, and Precinct Election Officials.

KEY ASPECTS OF OUR SOLUTION FOR THE STATE OF OHIO

The proven election system we are proposing for the State has been used in binding elections throughout the United States.

As a fully compliant ADA (Americans with Disabilities Act) voting solution, the ExpressVote Universal Voting System is the foundation of all three (3) configuration solutions proposed as follows. The ExpressVote enables each voter to cast his or her ballot independently.

Additionally, based on the size and needs of each county, we propose that each configuration also include DS450/DS850 high speed scanners for processing absentee ballots.

PAPER-BASED CONFIGURATION SOLUTION

In the paper-based solution, the DS200 tabulator will be used to tabulate all votes. Most voters will vote on a full-face paper ballot at the polls and insert their ballot into the DS200 for tabulation. However, the ExpressVote BMD can be used by voters with and/or without disabilities to complete the voting process. At the end of the voting session using the ExpressVote BMD, the vote summary card is returned to the voter with their vote selections on it. All vote summary cards and ballots will be scanned and tabulated using the DS200 precinct tabulator.

HYBRID CONFIGURATION SOLUTION

In the hybrid configuration solution, all voters complete the voting process using the ExpressVote BMD. In this configuration, after the vote record is printed and the voter has reviewed it, the voter inserts it into the DS200 for tabulation.

EXPRESSVOTE TABULATOR (ADA) CONFIGURATION SOLUTION

In the ExpressVote Tabulator (ADA) configuration solution, both the voting and tabulation process will take place on the version of the ExpressVote that contains an integrated tabulator. This configuration combines the

ExpressVote marker and tabulator in one unit, simplifying polling place delivery. When using this configuration, key precinct tasks are greatly simplified. A single USB media device can be used to open and close units, which provides a clear indication that all units that were opened have been closed and allows printing of a consolidated results report.

The ExpressVote with tabulation improves the Election Day experience for all voters. Voters can mark and tabulate their ballot in one stop. A voter can choose to automatically submit their vote selections for tabulation via AutoCast® or retrieve their verifiable paper vote record for manual review. After the manual review, the sighted voter can re-insert the vote record for tabulation and a visually impaired voter can simply cast their selections. In either case, vote records are safely deposited in a secure container.

Also included in our proposed solution are:

- ✔ Project management services and training
- ✔ Hardware and software maintenance with election support services for five years

ES&S: STABILITY

ES&S is the recognized leader in the election market. Through the continual development and introduction of innovative election products, ES&S has emerged as the leading provider of end-to-end, fully integrated voting solutions.

ES&S entered the elections industry when the development of optical mark reader technology was in its infancy.

When deciding between future partnerships, it's important to keep in mind how much experience the company you're choosing has in the election industry. ES&S has been providing election equipment, software, and services for nearly 40 years. Because we are our own manufacturer, ES&S can more easily and closely work with our customers, discover your needs and accomplish your goals.

We provide our large customer base with a variety of products and services that include voting system hardware and software sales and support, ballot layout/coding/voice file production, equipment maintenance and support, on-site support for pre-election testing and Election Day activities, 24/7 technical and customer support, project management and implementation services, voter registration services and support, ballot printing, vote by mail packet processing and mail services, electronic poll book sales and services, and voting system consumables and supplies.

For the sake of clarity regarding the titled "Warranty / Bond / Service section of the Voting System Testing Matrix," ES&S has the ability to post a bond in response to this requirement, and we will work with the respective county on the particulars of the bond.

Thank you for considering our proposal. We appreciate the opportunity to present our election-proven voting system to you and look forward to a continued partnership with you and your staff. If you have any questions, please feel free to contact Craig Seibert, Ohio Sales Manager, at (402) 321-3865 or cwseibert@essvote.com.

Sincerely,



Richard J. Jablonski

Vice President, Finance

Election Systems & Software, LLC

EXECUTIVE SUMMARY

ENHANCING THE STATE OF OHIO VOTING EXPERIENCE

Election Systems & Software, LLC (“ES&S”) is excited to present the State of Ohio this proposal for our latest certified voting system.

To implement new voting technology, the State needs a partner with a proven track record of experience, innovation and overall company stability. Our award-winning technology, service and support have made ES&S the election industry leader for approximately 40 years.



UNDERSTANDING THE STATE'S NEEDS

We understand the State of Ohio needs a voting system solution for Election Day precinct level voting, in-person absentee voting (Early Vote Center), an ADA compliant solution for both Election Day and Early Voter Center voting, and absentee-by-mail tabulation solution as well as all associated hardware, software and services.

Your transition to our leading-edge technology will enhance the entire voting process for your voters, election staff, and Precinct Election Officials while you continue to enjoy support and service from a trusted partner.

With nearly 35 years of experience servicing elections in the State, we are built to accommodate the needs of our Ohio customers. Our more than 450 employees allow us to develop, enhance, and maintain the most relevant, easy-to-use, and dependable equipment and software available for elections.

Working with ES&S will ensure a smooth implementation -- we understand and know how to serve the election process in Ohio.

WHAT THE STATE CAN EXPECT

A SYSTEM THAT MEETS YOUR NEEDS

ES&S has been privileged to provide election hardware, software, support, and services to jurisdictions across the State of Ohio since 1984.

ES&S prides itself in providing voting equipment that meets the needs of voters, election staff, and Precinct Election Officials alike. The proposed ES&S system is not only reliable, but also is *the easiest voting system for election staff and Precinct Election Officials to open and close*. The proposed solution also will provide the State with a *voter-verifiable paper trail* and numerous positive enhancements.



ES&S – LONGEVITY AND STRENGTH


ES&S is the largest and most experienced elections-only company in the world and has provided voting systems for approximately 40 years.

- ✔ ES&S has installed more than 200,000 voting units in its history
- ✔ ES&S has supported more than 100,000 elections during the past decade alone

ES&S entered the elections industry when the development of the optical mark reader technology was in its infancy. We also were the first company to develop solutions that enable people with disabilities to vote privately and independently.

Today, not only do we work with many of the same customers we've served for approximately four decades, but our business has grown to *serve 95,955 precincts among more than 3,300 clients in 42 states*. From our humble beginnings supporting a handful of election administrators and voters in 1979, today nearly 100 million registered voters tabulate with ES&S. *You can be assured ES&S will be here to support you now and in the future.*

ES&S provides election systems and services to clients ranging in size from small county governments to state boards of elections. ES&S completed successful installations of statewide voting systems in *Alabama, Arkansas, Georgia, Maine, Maryland, Montana, Nebraska, North Carolina, North Dakota, Rhode Island, South Carolina, South Dakota, and West Virginia.*

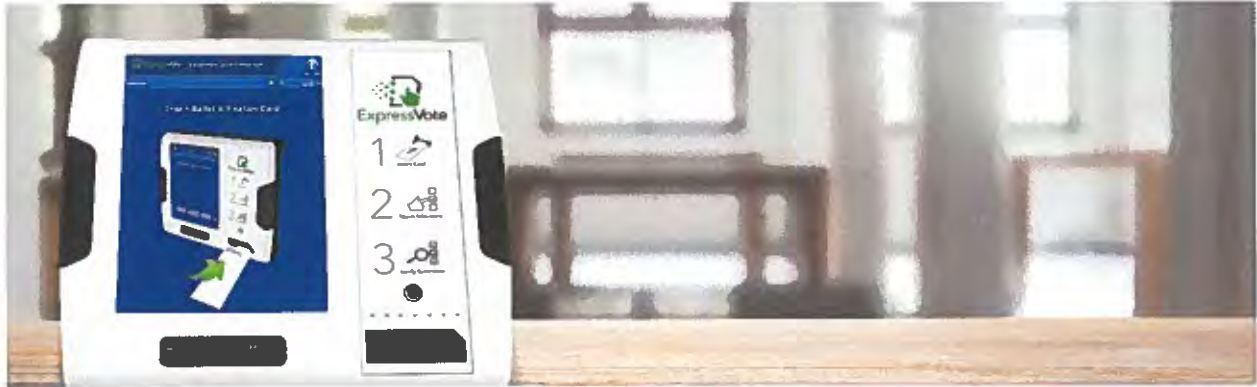


We provide our gold-standard service to jurisdictions of all sizes, and we value every customer, regardless of their size. Managing an election is a great responsibility. ES&S takes the worry out of the process by being a partner and working to make sure every election is a success. We are with you every step of the way.



THE ES&S SOLUTION

EXPRESSVOTE® UNIVERSAL VOTING SYSTEM (BMD & TABULATOR)



The award winning ExpressVote® is a Universal Voting System that *combines paper-based voting with touch-screen technology* to create a breakthrough in voting solutions for early vote centers and on Election Day in precincts or vote centers. It *produces a paper-based record for subsequent tabulation*.

The ExpressVote as a tabulator, improves the Election Day experience for voters — allowing them to mark and tabulate their vote summary card in one step. A voter can submit their vote selections for tabulation via AutoCast® or retrieve their verifiable paper vote record (vote summary card) for manual review. When ready, they can re-insert the card for tabulation. Vote records are safely deposited into a secure container.

While the ExpressVote provides the best solution to meet the needs for people with disabilities, the ExpressVote was designed for use by all voters. The simplicity and ease of use provide a very intuitive voting session for any voter, but especially those with disabilities. During disability testing campaigns and in live elections nationally, the ExpressVote continues to dominate the competitor's systems, earning high praise and appreciation. *The ExpressVote is the election industry's Number 1 selling early and Election Day vote center solution.*

EXPRESSVOTE: KEY FEATURES & BENEFITS

One Unit for Everything and Everyone – Complete and total independence is maintained while voters make their selections. Voters review their selections and can make changes before casting their vote summary card. Voters with different abilities are also afforded the independence to cast their selections without assistance as the unit is fully ADA compliant.

Easy to Set Up and Use – The one-step startup and poll-closing procedure make the ExpressVote an ideal device for poll workers. The intuitive design offers streamlined simplicity for poll workers and election staff. The ExpressVote is also small, lightweight and easy to move.

Controlled and Reduced Costs - Traditional ballot printing costs can be significantly reduced by eliminating the need for pre-printed paper ballots. Voters activate their vote session, make their selections and receive a paper record to cast. This process consumes 70 percent less paper than traditional ballots.

Innovative Design – Voters review a summary page and can make changes before casting their vote. The ExpressVote prevents overvotes and undervoting with prompts and on-screen feedback. Any changes a voter might make will not ruin the voting session. The system produces a verifiable paper record for each voter that is stored in a secure deposit bin when the unit is nestled in the kiosk.

Verifiable Paper Record - A human- and machine-readable vote summary card is produced, including text and an optical scan barcode, after voters have made all of their selections. The ExpressVote as a tabulator scans the vote summary card for tabulation.

Rolling Kiosk – The optional kiosk protects the ExpressVote unit in transit, during use and while in storage.

Privacy Shield – The optional privacy shield protects voter privacy by obscuring viewing of the contest choices and ballot summary.

Secure Card Container – The container attaches to the tabulator unit when nested in the kiosk to safeguard each voter’s verifiable vote record once it’s been cast. This does not apply to the ExpressVote BMD.

EXPRESSVOTE: ACTIVATING THE VOTE SESSION

Election officials can configure the ExpressVote to best fit their needs. The voter receives an activation card to begin the process.

If only one ballot style is programmed for the election, a blank card activates the votesession.

Multiple ballot styles with a blank card prompt poll workers to select the correct ballot style for the voter.

A card with an activation barcode displays the correct options for the voter if the election has multiple ballot styles.

"I just had the most WONDERFUL experience. I am blind, and I voted myself in the November general election! I tested/voted on the new accessible voting machines during the primary – but that feeling cannot even begin to compare with how I feel this morning. I was in tears by the time I left the polling station – for the first time in years I VOTED without assistance.

To the manufacturers and trainers of the accessible voting machines, THANK YOU! Because of you I have the capability of exercising my rights as a US Citizen. To the poll workers in Franklin, Virginia, THANK YOU! Because of you, I can vote right along my sighted peers without feeling "frowned" upon. I am now an equal.

Thank you, Franklin, Virginia!

(Note: "My husband said I was "skipping" down the sidewalk this morning with my Guide Dog, Hannah – I was so excited!)."

DS200® PRECINCT SCANNER AND TABULATOR



The DS200® precinct **digital scanner and tabulator** combines the best attributes of a paper-based system with the flexibility and efficiency of a digital environment. Precise ballot sensors simultaneously scan both sides of a ballot in high resolution. As a result, cast vote records and ballot images can be stored on memory devices and reviewed, as needed, on a standard PC. The DS200 is designed with flexibility to support a wide range of ballot configurations and designs. It allows for more efficient accumulation and transmission of votes, directly from the polling place. *More than 35,000 DS200 tabulators are in use in 24 states.*

DS200: KEY FEATURES & BENEFITS

Unique user-friendly design. The DS200 tabulator was designed for easy election judge setup – opening the lid powers on the unit in one simple step. The election judge then simply presses “Open Polls,” the Zero tapes will print, and the polls are open.

Large display. Our **12-inch display** enhances voter, election staff, and poll worker interfaces and usability. It provides immediate feedback and instructions to the voter in the language he or she selects.

Internal battery backup. The DS200 has a **built-in internal** battery backup designed to meet the EAC 2005 VVSG certification standards. No external UPS (universal power supply) is necessary.

Patented technology. The DS200 employs U.S. *patented* technology to quickly and accurately process ballots, discriminating between valid voter marks and extraneous ballot elements like smudges, spills, and perforations. This advanced technology enhances voting system accuracy. The DS200 can be set to query voters about overvotes, undervotes, blank ballots, and other situations.

Integrated thermal printer. In response to customer input, the DS200 tabulator’s printer eliminates the need for a spool. You simply remove the used plastic core and drop in a new roll of thermal paper – it’s that easy.

Accessible. The DS200 is compatible both with the next generation ExpressVote Universal Voting System.

DS850 HIGH-SPEED CENTRAL SCANNER AND TABULATOR



With the increase in mail and other absentee ballots, a high-speed central scanner and tabulator offers *unrivalled efficiency*. The *DS850® high speed central scanner and tabulator* is unrivalled in speed, accuracy, and the ability to process folded ballots. Our digital-imaging solution allows for smooth, continuous ballot scanning from start to finish.

DS850: KEY FEATURES & BENEFITS

✔ **User-friendly design and operation.**

The durable 15-inch color touch screen and user-friendly interface walk election workers through every step of the process. It is as simple as placing a stack of ballots on the scanner and pressing the Start button.

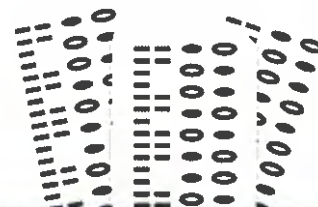
✔ **High speed sorting.** The DS850 is the only high-speed vote scanner in the marketplace that can sort various ballot sizes at full speed. It scans and sorts 14-inch double-sided ballots at 300 per minute into three output trays, separating ballots into three categories: counted, requires further review, and write-ins. The DS850

✔ **Auto Adjudication.** The DS850 central tabulator saves you time and money. *Its patented auto-adjudication intelligently recognizes common voter marks automatically as the ballots are scanned, reducing the number sent to the adjudication board by up to 68 percent.* Out of 1,000 ballots our competitors' systems send for costly manual review, the DS850 will automatically and accurately adjudicate up to 680, leaving only about 320 ballots for review. If the

adjudicates at approximately three times the speed of competing devices.

✔ **Folded ballot processing.** The DS850 was designed with a series of patent-pending TruGrip™ composite rollers that apply constant control to folded ballots throughout the entire process.

✔ **Flexibility.** With three separate sorter bins, you can determine whether you want to sort specific types of ballots for further review. The DS850 can separate out ballots with write-in votes, over-votes, or blank ballots without missing a beat.



DS850* reduces the ballots sent for adjudication by up to **68%**

adjudication board spent 5 minutes reviewing each ballot, the DS850 would save approximately 56 hours of time and expense. The DS850 was purpose-built by election professionals for election professionals to securely and accurately scan and tabulate ballots. We invite you to do a side-by-side comparison of the DS850 with our competitors' central tabulators. You will see the job gets done faster and more accurately with the DS850.

DS450 HIGH-THROUGHPUT CENTRAL SCANNER AND TABULATOR



Customizable sorting is now more affordable than ever with the *DS450® high-throughput central scanner and tabulator*. You can process more ballots in less time, without stopping for overvotes, write-ins, or blank ballots. Smaller jurisdictions can handle processing ballots of all sizes quickly. *This mid-range scanner uses our patented technology, increasing the accuracy of tabulation and eliminating manual adjudication time.*

Built especially for elections, its durability eliminates the need to reinvest in equipment over the standard lifespan of election systems, maintaining affordability for all.

DS450: KEY FEATURES & BENEFITS

- ✔ **Ease of use.** The DS450 features a user-friendly software interface on an easy-to-use 15-inch LCD color touch screen display.
- ✔ **Speed.** Pesky folded ballots are no longer difficult to handle with the DS450 tabulator's TruGrip technology. The DS450 seamlessly and accurately scans double-sided 11" to 19" ballots at the rate of 50-91 ballots per minute and processes 3,000 ballots per hour.
- ✔ **Accuracy.** ES&S' *patented* image recognition technology ensures ballots are read accurately and consistently, protecting voter intent and eliminating manual adjudication time. Like other ES&S tabulators, the DS450 recognizes common voter marks and is not fooled by stray marks or smudges.
- ✔ **Flexibility.** Just like the DS850, the DS450 offers three separate sorter bins that enable you to sort specific types of ballots for further review. Without loss of speed, the DS450 can separate ballots with write-in votes, over-votes, or blank ballots.
- ✔ **Absentee & Mailed Ballot Voting.** Set-up your DS450 to the desired sort settings, load your absentee or mailed ballots into the input hopper, press Start and tend to other Election Day responsibilities as the DS450 intelligently scans and sorts each ballot for you.

BALOTAR COMPACT BALLOT ON-DEMAND SYSTEM



Balotar is an integrated, highly secure printing system specifically *designed to automatically generate ballots for elections on request, eliminating the waste typical of absentee and early voting.* The Balotar Printing System® combines commercially available printing components with ES&S proprietary hardware and software modifications, enabling it to meet the demanding printing and audit needs of elections.

The comprehensive Balotar solution automates and streamlines all the facets of ballot production and distribution. It provides election officials scalable and flexible options to address all their on-demand ballot printing needs.

ES&S proposes the Balotar Compact, which uses an OKI C711 print engine, as part of our solution for the State of Ohio.

BALOTAR: KEY FEATURES & BENEFITS

- ✔ **Cost efficient.** Not only can you avoid pre-printing mass quantities of ballots, but also you can lower temporary staffing needs for ballot processing and inventory.
- ✔ **Automated ballot management.** The Balotar system eliminates the need to organize and store mass quantities of ballots. You save time spent estimating the number of ballots to print from a commercial printer.
- ✔ **Access security.** Besides Microsoft Windows logon security, the Balotar software is role-based. This allows jurisdictions to configure what functions they wish to enable for three levels of users: operator, supervisor, and administrator.
- ✔ **Ballot security.** Ballots can be encrypted to prevent printing of ballots from a raw PDF form. This protects against unauthorized printing, even if the security or access to the PDFs is compromised.
- ✔ **Accountability.** The Balotar features a printing audit system for built-in accountability.
- ✔ **Maximum ballot readability.** The Balotar's precision alignment feeder ensures readable ballots.
- ✔ **Overprint/overlay capabilities.** The Balotar software can automatically overprint text, barcodes, or images onto a completed PDF.

STRENGTHS & BENEFITS



STRENGTHS AND BENEFITS OF THE ES&S TEAM

The ES&S team offers the State of Ohio the most elections experience of any vendor. The table below illustrates the benefits of a continued partnership with ES&S for election systems and support services.

Strengths	Benefits
Current relationship with the State	ES&S has nearly 35 years of experience providing election equipment and services to the State of Ohio. Our experience as the voting system vendor for 42 of the State's 88 counties allow us to hit the ground running.
ES&S' financial strength is unmatched by any vendor in the industry	We have the capacity to scale our solution to the State's needs - providing a technically robust and financially responsible solution. We invest in innovation, so we can continually enhance our products for the benefit of our customers.
Vote tabulation experience	Forty years of ballot tabulation experience at your service. Our team has unmatched knowledge and experience preparing, maintaining, and conducting elections in Ohio.
ES&S is the elections industry leader	Being the industry leader demands accountability. Our commitment, dedication, and credibility in the industry will give you great assurance that your elections will be accurate, safe, and secure.
Understanding of Ohio election rules and regulations	Because we have served the election process in Ohio for nearly 35 years, we understand the State's election processes and procedures like no other vendor.
The ability to provide for every election need	Our integrated, robust system means our customers can enjoy the efficiency of dealing with one trusted vendor for all their election needs.
Local presence	Ohio is the home of two local field service technicians and Dan Shebesta with Thinking Further, Inc., who are ready to serve you illustrate our commitment to Ohio elections.



WHY ES&S?



WHY SHOULD THE STATE OF OHIO CHOOSE ES&S?

ES&S offers the State of Ohio voting system solutions that best meet the State's current needs. In addition, that solution will be implemented, serviced, and supported by the election industry's most experienced and knowledgeable team. We know and understand elections like no other vendor. Above all, we offer the State the promise of our continued outstanding support and customer service. In addition, doing business with ES&S provides the State with:


- ✔ **Partnership with a proven, financially stable company.** The State of Ohio has the peace of mind and security of knowing that ES&S is the most experienced, financially sound elections company. *With approximately 40 years of elections experience and more than 450 employees*, ES&S is well-positioned to support counties throughout the State and sustain the tabulation system.
- ✔ **A high-value solution.** ES&S provides you the most cost-effective, efficient, low-risk option available. By selecting ES&S, State officials can be assured their investment is sound and their system will be sustained by one company for at least 15 years.
- ✔ **Proven implementation and in-state service and support.** We have installed more than 200,000 voting units and supported more than 100,000 elections. No other vendor can compete with ES&S voting equipment implementation and support plans.
- ✔ **A truly Universal Voting System.** The award-winning ExpressVote Universal Voting System not only earns accolades from disability advocacy groups, but also provides *touch-screen voting for any voter*.



SUMMARY

Our solution will provide the State of Ohio with a *reliable, cost-effective, state-of-the-art voting tabulation system* that will continue to meet the needs of local voters well into the future. State staff and Precinct Election Officials will find our equipment *easy to move and set up* on Election Day and *convenient to store and maintain* when the election is over. And, as always, our *team of customer service and technical support experts* will be available to assist with any questions or concerns that arise.

Thank you for this opportunity to present this information. We look forward to future successes as we continue to provide the State of Ohio with unparalleled election technology, service and support.





INQUIRIES

ACKNOWLEDGEMENT

INQUIRIES: All inquiries should be submitted a minimum of five (5) working days prior to the bid opening date through the Procurement website, <http://procure.ohio.gov/>. 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.

ES&S RESPONSE

ES&S acknowledges Inquiries #56509 and #56532, which were issued as part of ITB #OT902619 for Voting Systems.



CERTIFICATION STATEMENTS

Bidders claiming preference for Domestic Source End Products, the Ohio preference, and/or the Veteran Friendly Business Enterprise (VBE) must complete the following information. **Any bidder who intentionally submits false or misleading information in an attempt to receive a bid preference will be immediately disqualified and may be subject to legal action up to and including debarment.** The state reserves the right to clarify any information during the evaluation process.

*****BIDDERS MUST COMPLETE THE APPROPRIATE CERTIFICATION BELOW TO RECEIVE THE PREFERENCE.*****

A. DOMESTIC PREFERENCE (BUY AMERICAN): Revised Code 125.11 and Administrative Code 123.5-1(K) [Not applicable to "Excepted Products"]

1. Where is each product/services being offered mined, raised, grown, produced or manufactured?
 United States: _____ (State) Canada Mexico (Go to B-1)
 Other: (Specify Country) Final assembly in Philippines and Germany (Go to A-2)
2. End-product is manufactured outside the United States and at least 50% of the cost of its components are produced, mined, raised, grown or manufactured within the United States. The cost of components may include transportation costs to the place of manufacture and, in the case of components of foreign origin, duty whether or not a duty-free entry certificate is issued. Yes (Go to Section B-1) No (Go to Section A-3)
3. The Bidder hereby certifies that each end product, except the products listed below, is a domestic source end product as defined in the Buy American Act and that components of unknown origin have been considered to have been mined, produced, grown or manufactured outside the United States.

DS200/ExpressVote Marker/ExpressVote Tabulator (Item) Philippines (Country of Origin)

DS850/DS450 (Item) Germany (Country of Origin)

B. OHIO PREFERENCE (BUY OHIO): Revised Code 125.09 and Administrative Code 123.5-1-06

1. The products/services being offered are raised, grown, produced, mined or manufactured in Ohio.
 Yes No (Go to B-2)
2. Bidder has significant economic presence within the state of Ohio. Yes (Answer a, b, c, d below) No (Go to B-3)
 - a) Bidder has paid the required taxes due the state of Ohio Yes No
 - b) Bidder is registered with the Ohio Secretary of State
 Yes (Charter/Registration No.: 2243607) No
 Questions regarding registration should be directed to (614) 466-3910 or visit their web site at:
<http://sos.state.oh.us/>
 - c) Bidder has ten or more employees based in Ohio or border state. Yes No (Go to B-2d)
 - d) Bidder has seventy-five percent or more employees based in Ohio or border state. Yes No (Go to B-3)
3. Border state bidder: (Except products mined in Michigan)
 Yes (Specify which state then go to B-2c): KY MI NY PA IN No (Go to B-4)
4. Border state bidder: mined products mined in respective border state (Except for products mined in Michigan)
 Yes No Not Applicable

C. VETERANS PREFERENCE (BUY VETERAN): Revised Code 9.318 and Administrative Code 123.5-1-16

Is the bidder a certified Veteran Friendly Business Enterprise as defined in Administrative Code 123.5-1-01(KK)
 Yes No

SPECIAL CONTRACT TERMS & CONDITIONS

INSURANCE

INSURANCE: *Until all obligations under this Agreement or any Order are satisfied, and without limiting Contractor's indemnification obligations under Indemnification, Contractor shall provide and maintain the insurance policies set forth below. All insurance required shall be provided by insurers with a rating of not less than A-VII from AM Best or a comparable rating agency. Contractor shall also cause each of its Subcontractors to comply with all requirements in this Section.*

- 1. Workers' compensation insurance, as required by Ohio law, and, if some of the Project will be done outside Ohio, the laws of the appropriate state(s) where work on the Project will be done. The Contractor shall also maintain employer's liability insurance with at least a \$1,000,000 limit.*
- 2. Commercial General Liability insurance coverage with a minimum combined single limit of not less than \$5,000,000 for bodily injury, personal & advertising injury, wrongful death, property damage, products/completed operations and broad form contractual liability coverage including, but not limited to, the commercially insurable liability assumed under the Indemnification section of this Agreement. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project or the general aggregate limit shall be twice the required occurrence limit. The defense cost shall be outside of the policy limits.*
- 3. Commercial Automobile Liability insurance with a combined single limit for bodily injury and property damage of not less than \$1,000,000 each occurrence and/or accident and shall not contain an annual aggregate, as respects any and all vehicles of Contractor, whether owned, hired, leased, borrowed or non-owned, assigned to or used in connection with this Agreement.*
- 4. Professional Liability Insurance appropriate to Contractor's profession, with limits not less than \$5,000,000 per occurrence or claim, \$10,000,000 aggregate for applicable personnel or subcontractors who perform professional services required by this Agreement.*
- 5. Cyber Liability with limits not less than \$5,000,000 per occurrence or claim, \$10,000,000 aggregate. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by Contractor in this agreement and shall include, but not be limited to, claims involving infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, alteration of electronic information, extortion and network security. The coverage shall provide coverage for breach response*

costs as well as regulatory fines and penalties as well as credit monitoring expenses with limits sufficient to respond to these obligations.

If the Contractor maintains broader and/or higher limits than the minimums shown above, the State requires and shall be entitled to the broader coverage and/or higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the State.

Additional Insured Status: The State, its officers, officials and employees are to be covered as additional insureds on all policies except Workers' Compensation and Professional Liability, with respect to liability arising out of work or operations performed by or on behalf of Contractor including materials, parts, or equipment furnished in connection with such work or operations.

Primary Coverage: For any claims related to this contract, Contractor's insurance shall be primary. Any insurance or self-insurance maintained by the State, its officers, officials or employees, shall be excess of the Contractor's insurance and shall not contribute with it.

Notice of Cancellation or Material Change: Contractor shall provide to the State 30 days' written notice of cancellation other than non-payment of premium, or material change to any of the policies required above. Material change shall be defined as any change to the insurance limits, terms or conditions that would limit or alter the State's available recovery under any of the policies required above.

Waiver of Subrogation: Contractor hereby grants to State of Ohio a waiver of any right to subrogation which any insurer of said Contractor may acquire against the State by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the State has received a waiver of subrogation endorsement from the insurer.

Deductibles and Self-Insured Retentions: Deductibles and Self-insured retentions must be declared to and approved by the State. The State may require the Contractor to provide proof of ability to pay losses and related investigations, claim administration and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the deductible or self-insured retention may be satisfied by either the named insured or the State.

Claims Made Policies: If any of the required policies provide coverage on a claims-made basis: (1) The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work, (2) Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract work and (3) If coverage is canceled or non-renewed, and not replaced with another

claims-made policy form with a Retroactive Date prior to the contract effective date, the Contractor must purchase extended reporting coverage for a minimum of five (5) years after completion of contract work.

Verification of Coverage: *Contractor shall furnish the State with original certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the State before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The State reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.*

Special Risks or Circumstances: *The State reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.*

ES&S RESPONSE

See **Appendix A: Certificate of Insurance** attached hereto.



TECHNICAL RESPONSES

II. INTRODUCTION

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.

ES&S RESPONSE

ES&S agrees and will comply.

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.

ES&S RESPONSE

ES&S agrees and will comply.

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.

ES&S RESPONSE

ES&S agrees and will comply.

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.

ES&S RESPONSE

ES&S agrees and will comply.

The ExpressVote Universal Voting System is the foundation of the ExpressVote Tabulator ADA configuration solution.

EXPRESSVOTE TABULATOR (ADA) CONFIGURATION SOLUTION

In the ExpressVote Tabulator (ADA) configuration solution, both the voting and tabulation process will take place on the version of the ExpressVote that contains an integrated tabulator. This configuration combines



the ExpressVote marker and tabulator in one unit, simplifying polling place delivery. When using this configuration, key precinct tasks are greatly simplified. A single USB media device can be used to open and close units, which provides a clear indication that all units that were opened have been closed, and allows printing of a consolidated results report.

The ExpressVote with tabulation improves the Election Day experience for all voters. Voters can mark and tabulate their ballot in one stop. A voter can choose to automatically submit their vote selections for tabulation via AutoCast® or retrieve their verifiable paper vote record for manual review. Voters may also take advantage of the audio review feature in which the machine reads the contents of the printed card back to the voter. After the manual review, a sighted voter can re-insert the vote record for tabulation and a visually impaired voter can simply cast their selections. In either case, vote records are safely deposited in a secure container.

.....
5. If voting system is an optical scan system, one precinct based optical scanner per precinct. A list of precincts is linked as Attachment C.

ES&S RESPONSE

ES&S agrees and will comply.

As a fully compliant ADA (Americans with Disabilities Act) voting solution, the ExpressVote Universal Voting System is the foundation of configuration solutions proposed as follows. The ExpressVote enables each voter to cast his or her ballot independently.

Additionally, based on the size and needs of each county, we propose that each configuration also include DS450/DS850 high speed scanners for processing absentee ballots.

PAPER-BASED CONFIGURATION SOLUTION

In the paper-based solution, the DS200 tabulator will be used to tabulate all votes. Most voters will vote on a conventional paper ballot at the polls and insert their ballot into the DS200 for tabulation. However, the ExpressVote BMD can be used by voters with and/or without disabilities to complete the voting process. At the end of the voting session using the ExpressVote BMD, the vote summary card is returned to the voter with their vote selections on it. All vote summary cards and ballots will be scanned and tabulated using the DS200 precinct tabulator.

Poll opening and closing is simple. The ExpressVote simply needs powered up to be ready for voters. The DS200 unit's unique lid-up, power-on approach allows the Precinct Election Officials to easily open polls. Opening, printing reports, and closing steps are done on this single unit, reducing calls to Election Central compared to competitors' systems.

HYBRID CONFIGURATION SOLUTION

In the hybrid configuration solution, all voters complete the voting process using the ExpressVote BMD. In this configuration, after the vote record is printed and the voter has reviewed it, the voter inserts it into the DS200 for tabulation.

Poll opening and closing is simple. The ExpressVote simply needs powered up to be ready for voters. The DS200 unit's unique lid-up, power-on approach allows the Precinct Election Officials to easily open polls. Opening, printing reports, and closing steps are done on this single unit, reducing calls to Election Central compared to competitors' systems.



In the **Marketing Materials** attached hereto, you will find a case study describing the reasons Wilson County, Tennessee chose the ExpressVote BMD and DS200 precinct tabulator combination, which received excellent reviews from poll workers, election officials, and voters.

VOTER UTILIZATION BENEFITS

The DS200 tabulator is simple for the voter.

The DS200 makes casting a ballot a breeze. Simply place a marked ballot in the DS200 insert slot in any orientation. The DS200 quickly scans both sides of each ballot and confirms that the vote has been counted.

EASE OF USE

The DS200 tabulator’s interactive 12-inch color touch screen and easy-to-use interface makes setup incredibly easy. On-screen instructions aid workers in opening and closing the polls and in collecting and reporting election totals.

6. One printer capable of printing ballots as needed that is compatible with the voting system and part of an EAC certified configuration.

ES&S RESPONSE

BALLOT ON DEMAND PRINTER

The Balotar Compact Ballot on Demand printer is compatible with our EAC-certified voting system and can be used to print absentee or affidavit ballots. On Election Day, the Balotar can be used to print additional ballots, if needed, by precinct.

Like all ballot print-on-demand solutions, the Balotar Compact Ballot on Demand printer solution is not subject to EAC certification.



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.

ES&S RESPONSE

ES&S agrees and will comply.

See our **Pricing**, attached hereto, for an itemized list of the cost to purchase each piece of equipment listed in this Invitation to Bid.

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 Ohio without prior written consent of DAS and the Ohio Secretary of State. An amendment will be issued if subcontracting is approved.

ES&S RESPONSE

ES&S agrees and will comply.



ES&S has provided and wishes to continue to provide voting system maintenance and support to State of Ohio jurisdictions in partnership with Thinking Further, Inc.

Dan Shebesta, owner of Thinking Further, Inc., entered the election industry with Election Systems and Software in 1998 by serving as an Assistant Project Manager for the installation of the statewide optical scan system in Hawaii. He worked full time for ES&S throughout the U.S. and Canada as a Project Manager and Regional Account Manager until 2006 gaining vast knowledge of ES&S product lines. Since leaving ES&S, Dan has worked as a subcontractor filling various roles, as needed.

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).

The total cost due to the vendor for any and all "Not State-Funded" items selected by a county is payable by the county pursuant to the terms of an agreement entered into between the county and the vendor. The county is liable for the cost of any item in Table B of the Bid Price that has been selected by a county.

ES&S RESPONSE

Acknowledged. See our **Pricing**, attached hereto.

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.

ES&S RESPONSE

ES&S is licensed to do business in the State of Ohio and is a registered voting system manufacturer eligible to submit voting machines for federal testing and certification. The EAC issued a **Grant of Certification**, included in our RFP response as **Appendix B**, for ES&S' proposed voting system solution, EVS 6.0.0.0, on July 2, 2018.

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.

ES&S RESPONSE

ES&S designs and manufactures its voting equipment to withstand normal use without deterioration and without excessive maintenance cost for a lifecycle of approximately 15 years. The history of our equipment demonstrates this fact. For example, the ES&S M100 precinct tabulator has been used in binding elections since 1998; the ES&S Optech Eagle has been in service since 1990; and the ES&S Model 650 Central Count scanner has been in service since 2001. ES&S owns the design and manufacturing rights to our tabulators and always uses long-life industrial parts.

To ensure the sustainability of our products throughout its lifecycle and beyond, ES&S engineers its voting system products with an eye on durability, ease of maintenance, and availability of parts and supplies. The ES&S supply chain is the most extensive in the election industry. We have the largest product offering, so we must have a strong supply chain. Product sustainability and lead-time compression is the driving force to having a strong supply chain. We do our best to choose long life industrial grade components and hardware to ensure we meet and exceed parts availability. We have complete bill of materials for all of our product lines. We continually monitor our component inventory supply, customer demand, and supplier availability. ES&S involvement includes inventory management, hardware engineering, manufacturing, purchasing, and field services. Our outside contacts include contract manufacturing partners, manufacturer representatives, manufacturers, and component suppliers. Constant monitoring and effective communication between all manufacturing partners is the main reason why we continue to enjoy success.

The following Ohio customers have purchased the proposed voting system solution.

Jurisdiction	Equipment
Portage, OH	<p>(102) DS200s (71) ExpressVote DREs One (1) DS850 Ballot-On-Demand printer</p>
Knox, OH	<p>(36) DS200s (35) ExpressVote DREs One (1) DS850 (52) ExpressPolls</p>
Tuscarawas, OH	<p>(62) DS200s (62) ExpressVote DREs One (1) DS450 (151) ExpressPolls Two (2) Ballot-On-Demand printer</p>

Additionally, please see **Appendix C: ExpressVote DS200 & EVS 6.0.0.0 Implementations**, which has been marked **confidential** and included in a separate sealed envelope, for a list of ExpressVote, DS200 and EVS 6.0.0.0 customers nationwide.

No known anomalies have been experienced with the use of the proposed voting system solution.

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.

ES&S RESPONSE

Election Systems & Software, LLC (ES&S) is the largest elections-only company in the world and has been providing election equipment, software, and services for nearly 40 years. ES&S entered the elections industry when the development of optical mark reader technology was in its infancy.

With 12 operating locations and ownership that provides for our solid financial strength, ES&S is well-positioned to continue its long-term commitment to its current and future client base and the industry as a whole.

ES&S can easily provide technical support simultaneously to several counties in the State and other jurisdictions that use its voting system. Besides our full-time field service technicians, ES&S can draw from our large pool of 450 associates who are trained for and have extensive experience providing technical support for elections.

For the 2016 calendar year, including the 2016 Presidential Election, ES&S provided technical support for 15,809 elections.

Ohio is the home of two (2) local field service technicians, a sales specialist, regional sales manager, senior account manager, customer service associate, operations manager, and implementation manager, who can respond to your maintenance needs rapidly. Having local feet on the ground has provided significant benefits to the counties across the State of Ohio.

TIER 2 LEVEL OF TECHNICAL SUPPORT

ES&S Telephone: 1-877-377-8683 (1-877-ESS-VOTE)

- Option 4 and then Option 1 for Hardware Support
- Option 4 and then Option 2 for Software Support

Email: software@essvote.com for Software Support; hardware@essvote.com for Hardware Support

- When a customer calls the ES&S Help Desk during hours of operation, an ES&S hardware/software technician will immediately acknowledge the issue. The customer will not be required to hold on the line or contact a secondary group before successfully speaking with a technician.
- Hours/days of operation: Monday - Friday, 7:00 a.m. to 7:00 p.m. CST.
- After hours: Leave a message and call will be returned the next business day.
- After hours critical issues: on-call technician will be notified to return call as soon as possible
- Hours of operation during scheduled elections: For a 24-hour period beginning at 4:00 a.m. CST on Election Day.
- ES&S maintains information regarding all statewide election dates. In the event of a special election, or other significant date, the customer can notify ES&S of these dates and Tier 2 support will be staffed accordingly.

TIER 3 LEVEL OF TECHNICAL SUPPORT

- When a customer calls the ES&S Help Desk during hours of operation, an ES&S hardware/software technician will immediately acknowledge the issue. The customer will not be required to hold on the line or contact a secondary group before successfully speaking with a technician.
- Issues that are unable to be resolved within Tier 2 Support are elevated internally to Tier 3 status.
- The Tier 3 Support team includes product engineers, system administrators, and software developers. As needed, the Tier 2 technician will work with Tier 3 ES&S resources capable of addressing advanced requests, questions, or issues. These same resources will be responsible for the design, development, and deployment of system changes, including any updates and enhancements.

In addition, ES&S will work with the State to mutually agree upon certain service level requirements that will allow ES&S to timely resolve any issues, which may arise with ES&S' voting system while meeting the needs of the State.

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.

ES&S RESPONSE

ES&S manufactures its voting system components, except for supporting commercial-off-the-shelf (COTS) products.

ES&S fully supports the tabulators and other voting system hardware we build through tried and tested sustainability processes. To ensure the sustainability of our products throughout its lifecycle and beyond, ES&S engineers its voting system products with an eye on durability, ease of maintenance, and availability of parts and supplies. The ES&S supply chain is the most extensive in the election industry.

The following equipment is not manufactured by ES&S, but is necessary for the implementation and operation of the voting system:

Software/Firmware	Manufacturer
Adobe Acrobat Standard v. XI	Adobe
Symantec Endpoint Protection v14	Symantec
Windows 7 Professional SPI	Microsoft
Windows Server 2008 R2 SPI	Microsoft
Cerberus FTP Server v9.0.3.1	Cerberus
WSUS Microsoft Windows Offline Update Utility	Microsoft
Symantec Endpoint Protection Intelligent Updater	Symantec
Visual C++ Redistributable	Microsoft
<p>Election Management System PC Workstation with minimum requirements including:</p> <ul style="list-style-type: none"> • Processor Dual Core (min.) • RAM 4 GB (min.), 8 GB recommended • Hard Disk 150 GB (min.) • Keyboard • Mouse • Monitor 1280x800 min. resolution (min.) <ul style="list-style-type: none"> ○ 32" Monitor – Optional for electronic adjudication • CD/DVD reader 16x(min.) • USB Ports x2 USB 2.0 (min.) • Report Printer Network Printer w/Printer Control Language (PCL) driver • Ethernet Port Network port 	<p>Multiple possible manufacturers, including Dell</p>

Software/Firmware	Manufacturer
<p>Election Management System Server with minimum requirements including:</p> <ul style="list-style-type: none"> • Processor Quad Core (min.) • RAM 4 GB (min.) • Hard Disk 320 GB (min.) • Keyboard • Mouse • Monitor 1280x800 min. resolution (min.) • CD/DVD reader 16x(min.) • USB Ports x2 USB 2.0 (min.) • Report Printer Network Printer w/Printer Control Language (PCL) driver • Ethernet Port Network port • Backup power supply (Universal Power Supply) 865 Watts / 1500 VA output capacity • Network Switch 1 GB throughput required 	<p>Multiple possible manufacturers, including Dell</p>
<p>System Utilities PC with minimum requirements including:</p> <ul style="list-style-type: none"> • Processor Dual Core (min.) • RAM 4 GB (min.) • Hard Disk 150 GB (min.) • Keyboard • Mouse • Monitor 1280x800 min. resolution (min.) • CD/DVD reader 16x(min.) • USB Ports x2 USB 2.0 (min.) • Report Printer Network Printer w/Printer Control Language (PCL) driver • Ethernet Port Network port 	<p>Multiple possible manufacturers, including Dell</p>

Software/Firmware	Manufacturer
DS200 and ExpressVote tabulator printer paper rolls	Iconex (previously NCR)
DS450 printer toner	Dell
DS450 and DS850 ML420 printer ribbon	OKIdata
DS450 and DS850 printer paper	Various manufacturers
DS450 and DS850 standard printer paper	Various manufacturers
DS450 and DS850 UPS battery backup	APC
DS850 B43I toner	OKIdata
Ballot marking pens	Multiple possible manufacturers of BIC Grip Roller Ball Pen, 0.7mm, Black, including Staples and Walmart.
Touch screen cleaning kit	Various manufacturers
Alcohol isopropyl	Various manufacturers
Canned air	Various manufacturers

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

ES&S RESPONSE

CONSUMABLES

DS200 PRECINCT SCANNER

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Thermal Reverse Wound Paper Roll	NCNR 9078-1514 ES&S #2320	Specifically designed and certified to be loaded into the DS200 device to print reports 3.13" x 80'	NCNR Not commercially available Custom consumable designed exclusively for use with the DS200.
4GB Flash Drive (SLC)	ES&S #2396	Delkin industrial-grade memory device using single level cell (SLC) flash technology, which operates at faster speeds with 10 times the reliability of standard consumer-grade devices.	Delkin Custom VID/PID embedded by manufacturer for security purposes Custom consumable designed exclusively for ES&S equipment Not commercially available

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Ballot Marking Pen	ES&S #6100	Grip Roller Ball Pen, 0.7 mm tip, Black Custom ES&S Logo (optional)	BIC COTS, Commercially available ES&S purchases through a company, then brands the ballot marking device pens. ES&S tabulators will read ballots marked with other writing utensils, but are certified to work with this pen.
DS200 Coin Cell Motherboard Battery	CR 2032 ES&S #2283	Coin cell battery Installed by trained ES&S personnel only	Energizer COTS, Commercially available
DS200 Internal Rechargeable Lithium Ion Backup Battery		21-volt, 10-cell lithium-ion battery that obtains its charge any time the unit is plugged in, whether turned on or not. Installed by trained ES&S personnel only	Zeus Battery Products Custom Item Proprietary, Not commercially available
Ballot Box Key	Item #340-00030	Key to unlock locks on ballot box.	Proprietary, Not commercially available Custom consumable designed exclusively for ES&S equipment

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Unit Key	Item #2213	Used to unlock the DS200 lid and physical security locks. Keys sold as a set.	Proprietary, Not commercially available Custom consumable designed specifically for use with ES&S equipment.
Tamper-Evident Seals/Labels	Item #800-0084	<p>Tamper-evident seal/label</p> <p>100 Label Roll, Barcode 1" x 3-3/8"</p> <p>Non-residue tamper-evident labels – blue</p> <p>Sequential numbering, barcode format 39 and human-readable characters.</p> <p>"VOID OPEN" appears if label is removed.</p>	<p>Intab</p> <p>Similar seals are COTS, commercially available</p>
8.4-inch Numbered Pull-Tite Seal	Item #RINS2	<p>Blue</p> <p>Numbered and tamper-resistant, plastic seals are self-locking; they must be cut to be removed.</p> <p>Feature random, unduplicated numbering molded in high relief.</p>	<p>Rifkin</p> <p>Similar seals are commercially available, COTS</p>

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Touch Screen Cleaning Kit	ES&S #6500	This kit includes a spray bottle of Precision Cleaning Solution and a soft microfiber "Tiger Cloth." The quick-drying cleaning solution is formulated to dissolve organic and inorganic contaminants that can accumulate on touch screen surfaces.	KINETRONICS Corp. Non-proprietary (Custom Logo)
Canned Air	ES&S #ES-AR	10 oz. can of pressurized air used for cleaning, especially throats of tabulators that collect ballot dust.	Payless Office Supply, Omaha, NE COTS

EXPRESSVOTE BMD/TABULATOR

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Thermal Activation Cards		14" with imprinting	
Headphones	Item #87002		Avid COTS
Headphones sanitary ear cover	Item #86003		Avid COTS

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
4GB Thumb Drive (SLC)	ES&S #2396	Delkin industrial-grade memory device using single level cell (SLC) flash technology, which operates at faster speeds with 10 times the reliability of standard consumer grade devices.	Delkin Custom VID/PID embedded by manufacturer for security purposes Custom consumable designed exclusively for ES&S equipment. Not commercially available
ADA Stylus-Ball Gripper w/ Tip (Optional)			
Coin Cell Motherboard Battery	CR 2032 ES&S #2283	Coin cell battery Installed by trained ES&S personnel only	Energizer COTS, Commercially available
Internal Rechargeable Lithium Ion Backup Battery			Proprietary
Universal Voting Console (UVC)	Item #98-00077		
Touch Screen Cleaning Kit	ES&S #6500	This kit includes a spray bottle of Precision Cleaning Solution and a soft microfiber "Tiger Cloth." The quick-drying cleaning solution is formulated to dissolve organic and inorganic contaminants that can accumulate on touch screen surfaces.	KINETRONICS Corp. Non-proprietary (Custom Logo)

DS450 HIGH SPEED DIGITAL IMAGE SCANNER

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
8GB Flash Drive (SLC)	ES&S #2397	Delkin industrial-grade memory device using single level cell (SLC) flash technology, which operates at faster speeds with 10 times the reliability of standard consumer grade devices.	Delkin Custom VID/PID embedded by manufacturer for security purposes Custom consumable designed specifically for use with ES&S equipment.
1 Part Printer Paper	ES&S #ES-PP1	500 sheets	COTS
8 1/2" x 11" Standard Printer Paper	Item #ES-PP	500 sheets Standard Printer Paper	Commercially available
Touch Screen Cleaning Kit	ES&S #6500	This kit includes a spray bottle of Precision Cleaning Solution and a soft microfiber "Tiger Cloth." The quick-drying cleaning solution is formulated to dissolve organic and inorganic contaminants that can accumulate on touch screen surfaces.	KINETRONICS Corp. Non-proprietary (Custom Logo)
Isopropyl Alcohol	ES&S #ES-AL Uline Part Number: S-16419	99 percent Isopropyl Alcohol, 16 fluid ounces. Used for cleaning voting equipment.	Uline, Omaha, NE COTS
Cleaning Cloth	ES&S #ES-CLOTH Payless Part Number: KIM05701PK		Payless Office Supply COTS

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Canned Air	ES&S #ES-AR	10 oz. can of pressurized air used for cleaning, especially throats of tabulators that collect ballot dust.	Payless Office Supply, Omaha, NE COTS
Audit Printer Ribbon	ML420 ES&S #RI-420		COTS
Reports Printer Toner	(Dell S2810dn Printer) Toner Item #3005 (OKI B432dn Printer) Toner Item #7211 (OKI B431dn Printer) Toner Item #6962		COTS
Uninterruptible Power Supply (UPS) Battery Backup	Item #6969	APC Power Saving Back-UPS Pro 1500 (APC BR1500G) CDW & Provantage	CDW and Provantage
DS450 Coin Cell Battery	CR 2032 ES&S #2283	Coin cell battery Installed by trained ES&S personnel only	Energizer COTS, Commercially available
Reverse Belt	Item #6834	Paper separation belt	Datawin

DS850 HIGH SPEED DIGITAL IMAGE SCANNER

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
8GB Flash Drive (SLC)	ES&S #2397	Delkin industrial-grade memory device using single level cell (SLC) flash technology, which operates at faster speeds with 10 times the reliability of standard consumer grade devices.	Proprietary Delkin Custom VID/PID embedded by manufacturer for security purposes. Custom consumable designed specifically for use with ES&S equipment.
I Part Printer Paper	Epson 590 ES&S #ES-PP1	500 sheets This paper is loaded into the OKIdata printer to be used for an audit log or to print election result reports. The I-part paper allows for one copy of reports to be generated. 9.5"W x 11"H Audit log printer - Dot matrix Fan-fold, tractor-fed	Non-proprietary Epson COTS ES&S purchases through a distributor, available anywhere office paper is sold.
8 1/2" x 11" Standard Printer Paper	#ES-PP	500 sheets Standard printer paper.	Non-proprietary COTS ES&S purchases through a distributor, available anywhere office paper is sold.

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Touch Screen Cleaning Kit	ES&S #6500	This kit includes a spray bottle of Precision Cleaning Solution and a soft microfiber "Tiger Cloth." The quick-drying cleaning solution is formulated to dissolve organic and inorganic contaminants that can accumulate on touch screen surfaces.	Non-proprietary; custom logo KINETRONICS Corp. (Custom Logo) Similar kits are COTS.
Isopropyl Alcohol	ES&S #ES-AL Uline Part Number: S-16419	99 percent Isopropyl Alcohol, 16 fluid ounces. Used for cleaning voting equipment.	Non-proprietary Uline, Omaha, NE COTS
Cleaning Cloth	ES&S #ES-CLOTH Payless Part Number: KIM05701PK		Non-proprietary Payless Office Supply COTS
Canned Air	ES&S #ES-AR	10 oz. can of pressurized air used for cleaning, especially throats of tabulators that collect ballot dust.	Non-proprietary Payless Office Supply, Omaha, NE COTS
Audit Printer Ribbon (ML420 Printer Ribbon)	ES&S #RI-420 (Data Source Media, Part No. 5-1930) or ES&S #RI-590 (Futureware, Part No. LQ-590)	Ink Ribbon replacement compatible with your OKI ML420 printer.	Non-proprietary Data Source Media or Futureware COTS

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
DS850 Motherboard Coin Cell Battery	CR 2032 ES&S #2283	Coin cell battery Installed by ES&S-trained personnel only	Non-proprietary; Installed by ES&S-trained personnel only Energizer COTS, commercially available
Reports Printer Toner	(Dell S2810dn Printer) Toner Item #3005 (OKI B432dn Printer) Toner Item #7211 (OKI B431dn Printer) Toner Item #6962		Non-proprietary COTS
Uninterruptible Power Supply (UPS) Battery Backup	Item #6969	APC Power Saving Back-UPS Pro 1500	Non-proprietary; must use the one that is certified and that has specific settings CDW and Provantage
Reverse Belt	Item #6834	Paper separation belt	Proprietary Datawin

BALOTAR COMPACT BALLOT ON DEMAND PRINTER

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Fuser Unit 120V, Okidata C711	Item #7110	Fuser	Okidata
Toner Cartridge Okidata-Cyan	Item #7111	Cyan Toner Cartridge	Okidata

Consumable	Item #	Description	Manufacturer; Proprietary/COTS
Toner Cartridge Okidata-Magenta	Item #7112	Magenta Toner Cartridge	Okidata
Toner Cartridge Okidata-Yellow	Item #7113	Yellow Toner Cartridge	Okidata
Toner Cartridge Okidata-Black	Item #7114	Black Toner Cartridge	Okidata
Image Drum Okidata-Cyan	Item #7115	Cyan Image Drum	Okidata
Image Drum Okidata-Magenta	Item #7116	Magenta Image Drum	Okidata
Image Drum Okidata-Yellow	Item #7117	Yellow Image Drum	Okidata
Image Drum Okidata-Black	Item #7118	Black Image Drum	Okidata
Transfer Belt, Okidata C711	Item #7119	Transfer Belt	Okidata

The ES&S Election Supplies Catalog can be downloaded from the ES&S website (essvote.com). Many supplies can be ordered online at the ES&S Supply store (shop.essvote.com).

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.

ES&S RESPONSE

See **Appendix D: Acceptance Checklists** for Electionware, the DS200, ExpressVote BMD/Tabulator, DS450/DS850 and Balotar Evolution Ballot on Demand Printer.

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.

ES&S RESPONSE

Our proposed solution, EVS 6.0.0.0, was certified by the Ohio Board of Voting Machine Examiners and the Ohio Secretary of State on August 1, 2018. Please see **Appendix E: EVS 6.0.0.0 SOS Letter of Approval**.

The system also was certified by the EAC on July 2, 2018. Please see **Appendix B: Grant of Certification**.

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.

ES&S RESPONSE

ES&S agrees and will comply.

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.

ES&S RESPONSE

ES&S agrees and will comply.

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

ES&S RESPONSE

ES&S agrees and will comply.

As a fully compliant ADA (Americans with Disabilities Act) voting solution, the ExpressVote Universal Voting System is the foundation of all three (3) configuration solutions proposed as follows. The ExpressVote enables each voter to cast his or her ballot independently.

MORE ABOUT THE EXPRESSVOTE – UNIVERSAL VOTING SYSTEM

ES&S was the first company to develop solutions that enable people with disabilities to vote privately and independently. The ExpressVote was developed with universal design principles applied to be usable by all voters, with or without visual impairments, hearing issues, or need for physical accommodations. As a fully compliant ADA (Americans with Disabilities Act) voting solution, ExpressVote enables each voter to cast his or her ballot independently.

Complete and total independence is maintained with the ExpressVote while voters cast their own records. Voters review a summary page and can make changes before casting ballots. A voter's selection changes will not spoil the voting session. The ExpressVote system produces a verifiable paper record for each voter that is digitally scanned for tabulation.

Following is a quote from a post on the website [blindbargains.com](http://www.blindbargains.com) in which the author describes testing accessible voting devices from Hart Intercivic, Dominion Voting Systems, and Election Systems & Software posted at <http://www.blindbargains.com/bargains.php?m=15315> Please see the **Marketing Materials** attached hereto for the full text of the post:

“With my faith in modern voting technology quickly running out, I moved to the last of the machines, The ExpressVote from Election Systems & Software...I walked up to the machine and inserted my paper ballot into the reader, which immediately caused speech feedback to begin. No intervention was necessary from the election workers....Overall, I completed my 23-question ballot in about 5 minutes.

Of the three systems tested, the ExpressVote is the only one I am comfortable recommending in its current form. Set-up was achieved independently by the voter, prompts were spoken efficiently, and a ballot could be completed using the fewest number of key presses.”



Each ExpressVote includes the following functionality:

- Touch screen
- Braille-embossed keypad
- Sip-and-puff tube capability
- Foot pedal or different two-way switch capability

- Audio voting session via text-to-speech or .wav files
- High-visibility on-screen ballots
- Voter-selected font size and contrast settings

The ExpressVote uses electronic technology based on input from election officials and disability organizations. It integrates components such as a digital scanner, printer, touch screen, and a navigational audio-tactile keypad.

Key features of the ExpressVote include:

- Multiple ballot navigation and selection methods that can be used simultaneously at any time during the voting process.
- Audio presentation created by either real voice files or through the voice file generator in Electionware Toolbox. Voters privately listen to instructions and selections at their chosen volume, tone, and speed.
- Ballot and voter instruction/ message presentation in the language selected by the voter both in audio and visual formats. Voting choices and instructions can be displayed in large text on a high contrast background on the touch screen monitor, as well as played by the audio system in the voter's preferred language.
- Allows voter to select a black privacy screen during an audio presentation.
- Tempo and volume controls for adjusting audio ballot presentation.
- Pause/resume audio capabilities

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

ES&S RESPONSE

ES&S agrees and will comply with the requirements outlined in the Voting System Testing Matrix.

Note: ES&S has the ability to post a bond in response to this requirement, and we will work with the respective county on the particulars of the bond.

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 election@ohiosecretaryofstate.gov.

ES&S RESPONSE

Yes. The ExpressPoll System is designed to operate with the voter registration systems used in Ohio.

ES&S has designed the ExpressPoll system to interface with many different voter registration systems, including competitor's systems and statewide systems. Our experience with voter registration systems is unrivaled. As a company, we maintain and support customers on (14) different voter registration systems. We

have successfully interfaced with State of Ohio’s voter registration systems, including Sequoia, Triad and Tenex, in previous elections.

The integration is even tighter for DIMS users in the State of Ohio, who will experience immediate file building processes using a DIMS.net export for ExpressPoll. The DIMS organization originally developed EZ-Roster so many of the data elements are the same, built off of the same data schema as DIMS. No other electronic poll book system can interface as effectively to the DIMS voter registration system as the ExpressPoll System.

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.

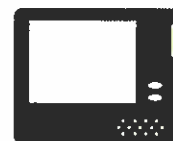
ES&S RESPONSE

Yes, the ES&S system is compatible with and able to integrate with Ohio’s Election Night Reporting System. Please see **Attachment E: ENR Requirements Responses** for more information.

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.

ES&S RESPONSE

For the purposes of activating a voting session, the ES&S ExpressVote Universal Voting Device has been integrated with the following Pollbooks used in Ohio:



- ✔ ExpressPoll Tablet, EZRoster Version 3.2.2.0 (ES&S)
- ✔ ExpressPoll Tablet, EZRoster Version 3.3.1.0 (ES&S)
- ✔ ExpressPoll Tablet, EZRoster Version 3.5.0.0 (ES&S)
- ✔ ExpressPoll Tablet, EZRoster Version 3.7.0.0 (ES&S)
- ✔ VoteSafe Electronic Pollbook (VOTEC)
- ✔ KNOWiNK Poll Pad (KNOWiNK)
- ✔ Precinct Central Touchpad (Tenex)

If the State has additional specific integration requirements, we are available for further clarification.

VI. SERVICE & 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.

ES&S RESPONSE

ES&S agrees and will comply. See our **Pricing** attached hereto.

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.

ES&S RESPONSE

After the initial 5-year warranty period, ES&S will provide post-warranty maintenance and support to each of our county customers. The precinct-based equipment will be covered under our Bronze Maintenance Program, and the absentee counting equipment will be covered under our Silver Maintenance Program. A description of our Maintenance Programs is presented below:

Bronze Maintenance Program. Provides for remedial maintenance services that are performed at ES&S' Omaha, Nebraska, depot location. In the latter case, the locality may elect to have such services provided at its designated location. Under ES&S' Bronze coverage plan, the county is billed annually with a single invoice. In addition, there are no routine preventative maintenance service events associated with the Bronze Package.

Both during the warranty period and so long as the State maintains a hardware and software maintenance and support agreement with ES&S, the State will have access to the ES&S Help Desk support. The ES&S Help Desk is available to the State to answer any questions or issues which may arise with the use of ES&S' proprietary hardware or software.

ES&S' **Silver Maintenance Program** also is an option. The Silver program offers the same core features found in the Gold Maintenance Plan. However, the Silver program offers one routine preventative maintenance service event during a two-year period (instead of the Gold program's one-year period). The annual routine preventative maintenance service event includes the cleaning and lubrication of each unit of equipment and all labor and parts (except consumables items such as printer cartridges, paper rolls, batteries, removable memory devices, or marking instruments).

Our ES&S service technicians carry diagnostic programs, specialized tools, an ample inventory of certified spare parts, and test ballots allowing them to service and test the product according to the hardware specifications and the maintenance agreement. Under this maintenance plan, hardware repairs are covered when failures are considered to be system related.

The Silver plan includes the use of certified replacement parts, ES&S Help Desk support, priority status for repair services, software and firmware upgrades, repairs by trained and certified technicians, and one annual invoice that provides budgeting peace of mind.

Gold Maintenance Program. Under the Gold program, ES&S provides a routine preventative maintenance service event each year. Our Gold Maintenance Program provides extended coverage for phone support, parts, onsite repairs, and an annual visit for preventive maintenance.

Our ES&S service technicians carry diagnostic programs, specialized tools, an ample inventory of certified spare parts, and test ballots allowing them to service and test the product according to the hardware specifications and the maintenance agreement. Under this maintenance plan, hardware repairs are covered when failures are considered to be system related.

The annual routine preventative maintenance service event includes the cleaning and lubrication of each unit of equipment and all labor and parts (except consumables items such as printer cartridges, paper rolls, batteries, removable memory devices, or marking instruments).

See **Appendix F: Preventative Maintenance Checklists** for lists that can be used as a corresponding log for a customer's documentation. These checklists are applicable to the Gold and Silver Maintenance Programs. These checklists are not, however, applicable to the Bronze Maintenance Program because it does not include any routine preventative maintenance service events.

After preventative maintenance is completed and the service event is closed in ES&S' system, the County will receive an electronic copy of the closed work order that includes all of the serial numbers for serviced equipment. The report also lists the parts that were required. The County also will receive a survey regarding the service event.

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.

ES&S RESPONSE

As ES&S is the exclusive manufacturer and developer of ES&S' proprietary voting system, only ES&S and ES&S' authorized representatives, including Thinking Further, Inc., may provide service and maintenance to the voting system - either equipment or software - without voiding any terms of the warranty or violating the license agreement. Please be advised that only ES&S or ES&S' authorized representatives can ensure that only properly certified component parts are installed in the ES&S equipment and only ES&S may provide any and all upgrades, enhancements, maintenance patches and other changes to the ES&S software.

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.

ES&S RESPONSE

ES&S agrees and will comply. See our **Pricing** attached hereto.

Pricing beyond year 10 for ongoing licenses and maintenance will increase by not more than 5 percent of the then expiring fee.

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 the State.

ES&S RESPONSE

In the event that an Ohio county acquires part or all of an ES&S voting system acquired through this Invitation to Bid from another Ohio county that would necessitate a transfer of a corresponding software license, such transfer of this license will result in the acquiring county incurring a license fee with ES&S, the payment of which will be required to permit the acquiring county to legally use the licensed software.

See **Appendix G: Licensing, Warranty, Maintenance and Support Information** included in our RFP response.

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.

ES&S RESPONSE

ES&S agrees and will comply. See our **Pricing** and **Appendix H: Training Narrative & Course Descriptions** included in our RFP response.

IX. VENDOR SUPPORT

The vendor must provide an employee or agent to serve as a 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.

ES&S RESPONSE

ES&S agrees and will comply.



Customer Service Manager Jerry Amick will be the principal point of contact for the Ohio Secretary of State.

He has supported elections in Ohio, Arkansas, Massachusetts and New York City for nearly three decades. Jerry also is equipped with 14 years of project management and implementation experience.

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.

ES&S RESPONSE

ES&S and/or its authorized representatives or approved independent contractors are available to an Ohio county to provide support for pre-election programming, setup, tabulation and reporting after the first election.

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 cost 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).

ES&S RESPONSE

As a standard practice, ES&S maintains in escrow with Iron Mountain Intellectual Property Management, Inc. (“Iron Mountain”), a copy of all program source code developed and used for our proprietary software, as well as any changes, modifications or updates to the source code. ES&S will agree to maintain its voting system source code in escrow for the requisite period set forth herein. Should ES&S cease operations and become unable to maintain and support our proprietary software while under an obligation to do so, the State shall have the right to obtain the source code to the extent necessary to enable the State to use ES&S’ proprietary software in accordance with the terms of the final contract entered into between the parties. Because the source code is key to the continued operation of ES&S’ business and constitutes a trade secret, ES&S cannot otherwise agree to a release of the source code to the State. The source code will remain the property of ES&S and may not otherwise be used by the State. Upon request, ES&S will provide the State with a copy of its current escrow agreement with Iron Mountain and will name the State as a preferred beneficiary thereunder in the event ES&S is the successful responder. In the event the State desires to enter into a separate escrow agreement with ES&S, the parties will work together to enter into such an agreement if ES&S is the successful Proposer.

BID PRICE PAGEVendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device (For All Voters or for ADA Use Only)

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) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance * See "TABLE A: State-Funded Items - Other" below for DS850 Central Scanner costs *	\$44,925.00
Software for High-Speed Scanner	Initial license fee included in High-Speed Scanner cost above
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	Initial license fee included in High-Speed Scanner cost above. \$6,300.00 total for years 2-5.
Workstation for High Speed Scanner (i.e., laptop/desktop, monitor, etc.)	Not applicable
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)	Two (2) Standard 8GB Memory Devices included in High-Speed Scanner cost above
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)	Included in High-Speed Scanner cost above
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units (DREs)) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty * See "TABLE A: State-Funded Items - Other" below for DS200 Precinct Scanner with Collapsible Ballot Box costs *	\$4,670.00
Software for Precinct-Based Equipment	Initial license fee included in Precinct-Based Voting Equipment cost above
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	Initial license fee included in Precinct-Based Voting Equipment cost above. \$320.00 total for years 2-5.
Voter Privacy Screens	Not applicable for Precinct-Based Voting Equipment above. See Other Items listed below for ADA Device Voter Privacy Screen options.
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)	One (1) Standard 4GB Memory Device included in Precinct-Based Voting Equipment cost above. Additional Standard 4GB Memory Devices listed under Other Items below.
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)	Included in Precinct-Based Equipment cost above
Starter Cartridge for Printer (If needed) for Precinct-Based Equipment for initial use	Not applicable
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.	Batteries, Cords and Cables included in Precinct-Based Voting Equipment cost above. Power Strips not included. Chargers and Routers are not applicable.

Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty * See "TABLE A: State-Funded Items - Other" below for ExpressVote BMD with Kiosk costs *	\$2,864.00
Stand for Accessible Ballot Marking Device – ADA – if necessary part of voting machine	See ExpressVote BMD with Kiosk options below under Other Items
Printer - Accessible Ballot Marking Device - ADA	Included in Accessible Ballot Marking Device cost above
Starter Cartridges for Accessible Ballot Marking Device Printer – ADA – for initial use	Not applicable (Thermal printer)
Stand for Printer - Accessible Ballot Marking Device – ADA – if necessary part of voting machine	Not applicable
Accessible Voting Booth - ADA – if necessary part of voting machine	Not a necessary item
Accessibility Aids - ADA (e.g., jelly switches, headphones, microphone, keyboards, etc.) – if 5-year (or greater) useful life.	Headphones and ADA Keypad included in Accessible Ballot Marking Device cost above
Software for Accessible Ballot Marking Device - ADA	Initial license fee included in Accessible Ballot Marking Device cost above
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	Initial license fee included in Accessible Ballot Marking Device cost above. \$220.00 total for years 2-5.
Memory Devices or Drives for Use of Accessible Ballot Marking Device – ADA (itemized by storage capacity)	One (1) Standard 4GB Memory Device included in Accessible Ballot Marking Device cost above. Additional Standard 4GB Memory Devices listed under Other Items below.
Security Devices (e.g., keys, locks, etc.) for Accessible Ballot Marking Device – ADA	Included in Accessible Ballot Marking Device cost above
Election Management and Ballot Definition Software ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	\$15,395.00
Voice Synthesis Software, if Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters)	Synthesized English language included in Election Management and Ballot Definition Software cost above. \$1,465.00 initial fee plus \$5,860.00 for years 2-5 for each additional synthesized voice file language.
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	Initial annual fee included in Election Management and Ballot Definition Software cost above. \$61,580.00 for years 2-5
Server for Election Management and Tabulation Systems (for purposes of creating standalone network of workstations) -Hardware Configurations below are applicable to ES&S Software Version EVS 6000	
Dell Poweredge T430	\$8,446.00
Dell E2216H 21.5" Wide LED LCD VGA DP Monitor	\$214.00
6' VGA M/M Monitor Cable	\$8.00
Symantec Endpoint Protection 14.0.1	\$27.00
Symantec 14.0.1 Maintenance/Support	\$60.00
Uninterruptible Power Supply (UPS) Battery Backup, 1500 VA	\$264.00
D-Link 8-Port Desktop Switch	\$63.00
Workstation/Server for Election Management and Ballot Definition Software - Hardware Configurations below are applicable to ES&S Software Version EVS 6000	
Dell Optiplex 5050 Mini (Desktop) with 22" Monitor	\$1,620.00
Uninterruptible Power Supply (UPS) Battery Backup 850VA	\$147.00
Symantec Endpoint Protection 14.0.1	\$27.00
Symantec 14.0.1 Maintenance/Support	\$60.00
Adobe Acrobat Standard XI	\$412.00
OKI B432DN Mono Laser Duplex Printer	\$416.00
LD 6' USB 2.0 A-B Cable	\$4.00
Tabulation Software	Tabulation results software module included in Election Management and Ballot Definition Software cost above

Licensing and Support for Tabulation Software – Years 1-5 and billed with hardware	Tabulation results software module included in Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 cost above
Workstation/Server for Tabulation Software	See Workstations and Servers for Election Management and Ballot Definition Software costs above
Ballot Printer C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	\$3,795.00
Software for Ballot Printer Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.) Ballot On Demand Laptop	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	Initial license fee included in Software for Ballot Printer cost above. \$7,380.00 total for years 2-5.
Starter Cartridges for Ballot Printer – for initial use	Included in Ballot Printer cost above
Warranty on Any and All Hardware – Years 1-5 and billed with hardware	Included in all hardware costs above and in all hardware costs listed in Other Items below
Delivery, Shipping of Equipment to Board of Elections' Office or Facility Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$750.00 Per DS450
	\$115.00 Per DS200
	\$35.00 Per ExpressVote Ballot Marking Device
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$1,925.00 for first DS450 purchased by a county
	\$1,000.00 for each additional DS450 purchased by a county
	\$115.00 Per DS200
	\$105.00 Per ExpressVote
	\$400.00 Per C711 OkiData Compact Printer
Setup of Equipment at Board of Elections' Office	\$1,300.00 Per Day for pre-delivery Workstation and/or Server Configuration
Logic and Accuracy Testing Prior to First Election	\$2,300.00 Per Day for On-Site Workstation and/or Server Installation
Setup of Equipment at Board of Elections' Office	\$1,700.00 Per Day
Logic and Accuracy Testing Prior to First Election	\$1,700.00 Per Day
TOTAL one (1) each of all State-Funded Items Note: This "Total" line for Table A is included merely to have a total value for quantity (1) of each item listed above. Actual total for State-Funded Items will be determined based upon County needs.	\$182,152.00

TABLE A. State-Funded Items - Other

Item	Unit Cost
High-Speed Scanner (for Central Count of Absentee Ballots) DS850 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Three (3) Standard 8GB Memory Devices, and Five (5) Year Hardware Warranty with Biennial Maintenance	\$108,270.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS850 Firmware License	Initial license fee included in High-Speed Scanner cost above. \$6,300.00 total for years 2-5.
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.) DS850	\$1,925.00 for first DS850 purchased by a county \$1,000.00 for each additional DS850 purchased by a county
Delivery, Shipping of Equipment to Board of Elections' Office or Facility Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$750.00 Per DS850
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Collapsible Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Collapsible Ballot Box, Hard Case, Paper Roll, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	\$4,370.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Collapsible Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Collapsible Ballot Box, Soft-Sided Nylon Case, Paper Roll, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	\$4,270.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 with Collapsible Ballot Box Firmware	Initial license fee included in Precinct-Based Voting Equipment cost above. \$320.00 total for years 2-5.
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$115.00 Per DS200 with Collapsible Ballot Box
Delivery, Shipping of Equipment to Board of Elections' Office or Facility Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$115.00 Per DS200 with Collapsible Ballot Box
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device with Kiosk - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Kiosk, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	\$3,385.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote BMD Terminal with Kiosk	Initial license fee included in Accessible Ballot Marking Device cost above. \$220.00 total for years 2-5.
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.) ExpressVote BMD Terminal with Kiosk	\$135.00 Per ExpressVote Ballot Marking Device with Kiosk
Delivery, Shipping of Equipment to Board of Elections' Office or Facility Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$115.00 Per ExpressVote BMD with Kiosk
Voter Privacy Screens Tabletop ExpressVote Privacy Screens (6 per case)	\$99.95
Voter Privacy Screens ExpressVote Privacy Canopy	\$39.95
Additional Standard 4GB Memory Devices	\$105.00
Additional Standard 8GB Memory Devices	\$210.00
Cerberus FTP Pro 9.0.3.1 License (For Networking multiple DS450 or DS850's)	\$799.00
Dell Optiplex 5050 Mini (Desktop) with 32" Monitor	\$2,100.00

BID PRICE PAGE (continued)

TABLE B: Non-State-Funded Items

Item	Unit Cost
Transport Bags or Cases for Accessible Equipment - ADA	Soft-Sided Case included in ExpressVote Ballot Marking Device cost listed above in Table A
Licensing and Support for Software for High-Speed Scanner - Extended - Years 6-10	\$8,740.00
DS450 or DS850 Firmware Total Per Unit for Years 6-10	
Additional Toner, Ink, Cartridges for High-Speed Scanner - Note: Costs do not include shipping & handling which will be billed separately.	\$125.75 - OkiData B432DN Toner \$15.00 - OkiData ML420 Printer Ribbon
Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10	\$445.00
DS200 Firmware Total Per Unit for Years 6-10	
Ballot Box or Bag for Precinct-Based Equipment	Ballot Box included in DS200 cost listed above in Table A
Transport Bag or Case for Precinct-Based Equipment	Case included in DS200 cost listed above in Table A
Additional Consumables for Initial Use of Precinct-Based Voting Equipment (e.g., paper ballots, rolls or cards, etc.) - Note: Costs do not include shipping & handling which will be billed separately.	\$1.85 for additional DS200 Paper Rolls
	\$23.30 for Blank ExpressVote Ballot Card Stock without Stubs - 11" (250 per pkg)
	\$24.60 for Blank ExpressVote Ballot Card Stock without Stubs - 14" (250 per pkg)
	\$27.15 for Blank ExpressVote Ballot Card Stock without Stubs - 17" (250 per pkg)
	\$31.05 for Blank ExpressVote Ballot Card Stock without Stubs - 19" (250 per pkg)
	\$0.10 per sheet for Ballot On Demand Blank Ballot Stock
Licensing and Support for Software for Accessible Ballot Marking Device - ADA - Extended - Years 6-10	\$360.00
ExpressVote Ballot Marking Device Firmware Total for Years 6-10	
Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10	\$96,125.00
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000 - Total for Years 6-1	
Licensing and Support for Tabulation Software - Extended - Years 6-10	Tabulation results module included in Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10 above
Licensing and Support for Software for Ballot Printer - Extended - Years 6-10	\$11,520.00
Ballot Software with MRS and SRS Capabilities - Total for Years 6-10	
Warranty on Any and All Hardware - Years 6-10	
Extended Warranty Years 6-10	
DS200 Extended Warranty - Total Per Unit for Years 6-10	\$610.00
ExpressVote BMD Extended Warranty - Total Per Unit for Years 6-10	\$415.00
Maintenance on Any and All Hardware unless specified in above table - Years 1-5	See Preventative Maintenance on Hardware costs below
Maintenance on Any and All Hardware - Years 6-10	See Preventative Maintenance on Hardware costs below
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) unless specified in above table - Years 1-5	
Extended Warranty with Biennial Maintenance Years 1-5 - Additional Fee	
DS450 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 1-5	Included in equipment price listed in Table A
DS850 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 1-5	Included in equipment price listed in Table A
DS200 Extended Warranty with Biennial Maintenance - Total Per Unit for Years 1-5	\$490.00
ExpressVote BMD Extended Warranty with Biennial Maintenance - Total Per Unit for Years 1-5	\$310.00
Extended Warranty with Annual Maintenance Years 1-5 - Additional Fee	
DS450 Extended Warranty With Annual Maintenance - Total Per Unit for Years 1-5	\$3,340.00
DS850 Extended Warranty With Annual Maintenance - Total Per Unit for Years 1-5	\$5,880.00
DS200 Extended Warranty with Annual Maintenance - Total Per Unit for Years 1-5	\$640.00
ExpressVote BMD Extended Warranty with Annual Maintenance - Total Per Unit for Years 1-5	\$400.00

Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) - Years 6-10	
Extended Warranty with Biennial Maintenance Years 6-10	
DS450 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 6-10	\$10,520.00
DS850 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 6-10	\$14,015.00
DS200 Extended Warranty with Biennial Maintenance - Total Per Unit for Years 6-10	\$820.00
ExpressVote BMD Extended Warranty with Biennial Maintenance - Total Per Unit for Years 6-10	\$540.00
Extended Warranty with Annual Maintenance Years 6-10	
DS450 Extended Warranty With Annual Maintenance - Total Per Unit for Years 6-10	\$15,150.00
DS850 Extended Warranty With Annual Maintenance - Total Per Unit for Years 6-10	\$22,175.00
DS200 Extended Warranty with Annual Maintenance - Total Per Unit for Years 6-10	\$1,025.00
ExpressVote BMD Extended Warranty with Annual Maintenance - Total Per Unit for Years 6-10	\$665.00
Phone Support (i.e., a board of elections may contact a designated individual or Helpdesk for assistance with troubleshooting issues)	Included with Licensing and Support costs
Online Support (i.e., a board of elections may submit issues via an online portal hosted by the voting system's vendor)	Included with Licensing and Support costs
On-Site Repairs to Hardware (as opposed to having to ship equipment off-site)	Included with Biennial and Annual maintenance plans. Otherwise, time and materials rates will apply.
Software Upgrades	Included with Licensing and Support costs, subject to ES&S Licensing and Maintenance provisions
Pre-Election Support (e.g., setup of election management software; pre-election programming and setup of ballots; configuration of reports, etc.)	\$1,850.00 per day. Day is defined as one (1) ES&S employee for a minimum of four (4) hours and maximum of twelve (12) hours on any one (1) calendar day.
Creation of Test Deck (for pre-election testing)	Automated Test Deck included in Election Management and Ballot Definition Software cost
Cost of Printing Test Deck (per sheet using ballot printer system)	\$350.00 per election set-up; \$0.10 per blank ballot stock sheet plus shipping & handling; \$0.35 per ballot sheet processed by the ballot printer for Black & White ballots.
Cost of Printing Test Deck (per sheet using print vendor)	Per Quote
Setup, Configuration, and Printing Fees for Ballot Stub Barcode	Per Quote
Pre-Election Setup for Ballot Printer System	If Off-Site setup is chosen by customer: - \$350.00 per election set-up + \$1.00 per unique PDF (up to 4 computers) plus - \$40.00 per computer over 4 computers Rework of set up due to customer changes after initial set up is complete: - \$175.00 per change event - \$40.00 per computer over 4 units If Off-Site setup is not chosen by Customer, there will be an On-Site setup fee charged of \$1,850.00 per person per day.
Ballot Processing Fees (per sheet or per ballot style) for Ballot Printer System	\$0.35 for black and white ballot \$0.45 for color ballot \$0.10 per sheet for blank ballot stock, plus shipping & handling
Assistance with Deployment of Equipment to Polling Locations	Not available
Training of Board of Elections' Staff	\$1,850.00 per day, per class. Class size limited to 10 participants for software training and 20 people for equipment training.

Training Materials for Precinct Election Officials	Standard materials included in training fees.
Training of Precinct Election Officials	\$1,850.00 per day, per class. Class size limited to 10 participants for software training and 20 people for equipment training
Training Videos for Precinct Election Officials	Per Quote
Demonstration Videos for Voters	Per Quote
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)	\$1,850.00 per day. Day is defined as one (1) ES&S employee for a minimum of four (4) hours and maximum of twelve (12) hours on any one (1) calendar day
Election Day Support (e.g., phone support, dispatch and onsite incident resolution, etc.)	\$1,850.00 per day or, \$4,675.00 for a three day site support event.
Election Night Support (e.g., on-site or remote assistance with tabulation and results reporting, etc.)	
Post-Election Support (e.g., on-site or remote assistance with official canvass of election, etc.)	

TABLE B: Non-State-Funded Items - Other

Item	Unit Cost
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters) - Years 6-10	Synthesized English language included in Election Management and Ballot Definition Software costs above.
Total for Years 6-10 Per Additional Language	\$9,145.00 total for years 6-10 for each additional synthesized voice file language.
DS200 Tote Bin	\$225.00
ExpressVote Single Unit Table with Privacy Screen	\$430.00
ExpressVote Double Unit Table with Privacy Screen	\$490.00
ExpressVote Barcode Scanner for Tabletop or Booth	\$685.00
ExpressVote Barcode Scanner for Kiosk	\$625.00
ExpressVote Activation Card Printer	\$725.00
BOD Printer On-Site Maintenance	\$1,850.00 Per Day
Performance Bond	Per Quote

Note: Costs under "TABLE B: Non-State Funded Items - Other" do not include shipping & handling which will be billed separately.

BID PRICE PAGE

Vendor: Election Systems & Software, LLC

Solution Description (Optical Scan, DRE, Hybrid, etc.): DS450 and ExpressVote Tabulator

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) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance * See "TABLE A: State-Funded Items - Other" below for DS850 Central Scanner costs *	\$44,925.00
Software for High-Speed Scanner	Initial license fee included in High Speed Scanner cost above
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	Initial license fee included in High-Speed Scanner cost above. \$6,300.00 total for years 2-5.
Workstation for High Speed Scanner (i.e., laptop/desktop, monitor, etc.)	Not applicable
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)	Two (2) Standard 8GB Memory Devices included in High-Speed Scanner cost above
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)	Included in High-Speed Scanner cost above
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, Hub with Reports Printer, Paper Roll, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty * See "TABLE A: State-Funded Items - Other" below for other ExpressVote Tabulator Configurations *	\$4,423.00
Software for Precinct-Based Equipment	Initial license fee included in Precinct-Based Voting Equipment cost above
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware ExpressVote Tabulator Firmware License	Initial license fee included in Precinct-Based Voting Equipment cost above. Additional \$260.00 total for years 2-5.
Voter Privacy Screens	Voter Privacy Screens Included in Precinct-Based Voting Equipment
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)	One (1) Standard 4GB Memory Device included in Precinct-Based Voting Equipment cost above. Additional Standard 4GB Memory Devices listed under Other Items below.
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)	Included in Precinct-Based Equipment cost above
Starter Cartridge for Printer (If needed) for Precinct-Based Equipment for initial use	Not applicable
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.	Batteries, Cords and Cables included in Precinct-Based cost above. Power Strips not included. Chargers and Routers not applicable.

Accessible Ballot Marking Device - ADA	Precinct-Based Voting Equipment Includes ADA Capabilities
Stand for Accessible Ballot Marking Device – ADA – if necessary part of voting machine	Kiosk included in Precinct-Based Voting Equipment cost above
Printer - Accessible Ballot Marking Device - ADA	Included in Precinct-Based Voting Equipment cost above
Starter Cartridges for Accessible Ballot Marking Device Printer – ADA – for initial use	Not applicable (Thermal printer)
Stand for Printer - Accessible Ballot Marking Device – ADA – if necessary part of voting machine	Not applicable
Accessible Voting Booth - ADA – if necessary part of voting machine	Kiosk included in Precinct-Based Voting Equipment cost above
Accessibility Aids - ADA (e.g., jelly switches, headphones, microphone, keyboards, etc.) – if 5-year (or greater) useful life.	Headphones and ADA Keypad included in Precinct-Based Voting Equipment cost above
Software for Accessible Ballot Marking Device - ADA	Initial license fee included in Precinct- Based Voting Equipment cost above
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware	See Licensing and Support for Software for Precinct-Based Equipment – Years 1- 5 above
Memory Devices or Drives for Use of Accessible Ballot Marking Device – ADA (itemized by storage capacity)	One (1) Standard 4GB Memory Device included in Precinct-Based Voting Equipment cost above. Additional Standard 4GB Memory Devices listed under Other Items below.
Security Devices (e.g., keys, locks, etc.) for Accessible Ballot Marking Device – ADA	Included in Precinct-Based Voting Equipment cost above
Election Management and Ballot Definition Software	\$15,395.00
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters)	Synthesized English language included in Election Management and Ballot Definition Software cost above. \$1,465.00 initial fee plus \$5,860.00 for years 2-5 for each additional synthesized voice file language.
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	Initial annual fee included in Election Management and Ballot Definition Software cost above. \$61,580.00 for years 2-5.
Server for Election Management and Tabulation Systems (for purposes of creating standalone network of workstations) - Hardware Configurations below are applicable to ES&S Software Version EVS 6000	
Dell Poweredge T430	\$8,446.00
Dell E2216H 21.5" Wide LED LCD VGA DP Monitor	\$214.00
6' VGA M/M Monitor Cable	\$8.00
Symantec Endpoint Protection 14.0.1	\$27.00
Symantec 14.0.1 Maintenance/Support	\$60.00
Uninterruptible Power Supply (UPS) Battery Backup, 1500 VA	\$264.00
D-Link 8-Port Desktop Switch	\$63.00
Workstation/Server for Election Management and Ballot Definition Software - Hardware Configurations below are applicable to ES&S Software Version EVS 6000	
Dell Optiplex 5050 Mini (Desktop)	\$1,620.00
Uninterruptible Power Supply (UPS) Battery Backup 650VA	\$147.00
Symantec Endpoint Protection 14.0.1	\$27.00
Symantec 14.0.1 Maintenance/Support	\$60.00
Adobe Acrobat Standard XI	\$412.00
OKI B432DN Mono Laser Duplex Printer	\$416.00
LD 6' USB 2.0 A-B Cable	\$4.00
Tabulation Software	Tabulation results software module included in Election Management and Ballot Definition Software cost above
Licensing and Support for Tabulation Software – Years 1-5 and billed with hardware	Tabulation results software module included in Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 cost above

Workstation/Server for Tabulation Software	See Workstations and Servers for Election Management and Ballot Definition Software costs above
Ballot Printer C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	\$3,795.00
Software for Ballot Printer Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.) Ballot On Demand Laptop	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	Initial license fee included in Software for Ballot Printer cost above. \$7,380.00 total for years 2-5.
Starter Cartridges for Ballot Printer – for initial use	Included in Ballot Printer cost above
Warranty on Any and All Hardware – Years 1-5 and billed with hardware	Included in all hardware costs above and in all hardware costs listed in Other Items below
Delivery, Shipping of Equipment to Board of Elections' Office or Facility	\$750.00 Per DS450
Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$115.00 Per ExpressVote Tabulator
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$1,925.00 for first DS450 purchased by a county
	\$1,000.00 for each additional DS450 purchased by a county
	\$135.00 Per ExpressVote Tabulator
	\$400.00 Per C711 OkiData Compact Printer
	\$1,300.00 Per Day for Off-Site Workstation and/or Server Installation
	\$2,300.00 Per Day for On-Site Workstation and/or Server Installation
Setup of Equipment at Board of Elections' Office	\$1,700.00 Per Day
Logic and Accuracy Testing Prior to First Election	\$1,700.00 Per Day
TOTAL one (1) each of all State-Funded Items	\$178,641.00
Note: This "Total" line for Table A is included merely to have a total value for quantity (1) of each item listed above. Actual total for State-Funded Items will be determined based upon County needs.	

TABLE A: State-Funded Items - Other

Item	Unit Cost
High-Speed Scanner (for Central Count of Absentee Ballots) DS850 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Three (3) Standard 8GB Memory Devices, and Five (5) Year Hardware Warranty with Biennial Maintenance	\$108,270.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS850 Firmware License	Initial license fee included in High-Speed Scanner cost above. \$8,300.00 total for years 2-5.
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.) DS850	\$1,925.00 for first DS850 purchased by a county \$1,000.00 for each additional DS850 purchased by a county
Delivery, Shipping of Equipment to Board of Elections' Office or Facility Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$750.00 Per DS850
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator without Hub or Printer - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	\$3,955.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator with Hub and Barcode Scanner - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, Hub with Barcode Scanner, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	\$4,659.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator with Hub, Printer and Barcode Scanner - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, Hub with Reports Printer and Barcode Scanner, Paper Roll, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	\$4,923.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware ExpressVote Tabulator Firmware License	Initial license fee included in Precinct-Based Voting Equipment cost above. \$260.00 total for years 2-5.
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	\$135.00 Per ExpressVote Tabulator
Delivery, Shipping of Equipment to Board of Elections' Office or Facility Note: Shipping costs listed are rates for shipping one (1) unit. A reduction in shipping costs may be available depending on the quantities purchased by a county. Please contact your ES&S Sales Representative for truckload shipping rates.	\$115.00 Per ExpressVote Tabulator
Additional Standard 4GB Memory Devices	\$105.00
Additional Standard 8GB Memory Devices	\$210.00
Cerberus FTP Pro 9.0.3.1 License (For Networking multiple DS450 or DS850's)	\$799.00
Dell Optiplex 5050 Mini (Desktop) with 32" Monitor	\$2,100.00

BID PRICE PAGE (continued)

TABLE B: Non-State-Funded Items

Item	Unit Cost
Transport Bags or Cases for Accessible Equipment - ADA	Not applicable
Licensing and Support for Software for High-Speed Scanner - Extended - Years 6-10	\$8,740.00
DS450 or DS850 Firmware Total Per Unit for Years 6-10	
Additional Toner, Ink, Cartridges for High-Speed Scanner - Note: Costs do not include shipping & handling which will be billed separately.	\$125.75 - OkiData B432DN Toner
	\$15.00 - OkiData ML420 Printer Ribbon
Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10	\$360.00
ExpressVote Tabulator Firmware Total Per Unit for Years 6-10	
Ballot Box or Bag for Precinct-Based Equipment	Ballot Bin included in ExpressVote Tabulator cost listed above in Table A
Transport Bag or Case for Precinct-Based Equipment	Not applicable
Additional Consumables for Initial Use of Precinct-Based Voting Equipment (e.g., paper ballots, rolls, or cards, etc.) - Note: Costs do not include shipping & handling which will be billed separately.	\$1.85 for additional DS200 Paper Rolls
	\$23.30 for Blank ExpressVote Ballot Card Stock without Stubs - 11" (250 per pkg)
	\$24.60 for Blank ExpressVote Ballot Card Stock without Stubs - 14" (250 per pkg)
	\$27.15 for Blank ExpressVote Ballot Card Stock without Stubs - 17" (250 per pkg)
	\$31.05 for Blank ExpressVote Ballot Card Stock without Stubs - 19" (250 per pkg)
	\$0.10 per sheet for Ballot On Demand Blank Ballot Stock
Licensing and Support for Software for Accessible Ballot Marking Device - ADA - Extended - Years 6-10	See Licensing and Support for Software for Precinct-Based Equipment - Extended - Years 6-10 above
Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10	\$96,125.00
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000 - Total for Years 6-10	
Licensing and Support for Tabulation Software - Extended - Years 6-10	Tabulation results module included in Licensing and Support for Election Management and Ballot Definition Software - Extended - Years 6-10 above
Licensing and Support for Software for Ballot Printer - Extended - Years 6-10	\$11,520.00
Balotar Software with MRS and SRS Capabilities - Total for Years 6-10	
Warranty on Any and All Hardware - Years 6-10	
ExpressVote Tabulator Extended Warranty - Total Per Unit for Years 6-10	\$555.00
Maintenance on Any and All Hardware unless specified in above table - Years 1-5	See Preventative Maintenance on Hardware costs below
Maintenance on Any and All Hardware - Years 6-10	See Preventative Maintenance on Hardware costs below

Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) unless specified in above table - Years 1-5	
Extended Warranty with Biennial Maintenance Years 1-5 - Additional Fee	
DS450 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 1-5	Included in equipment price listed in Table A
DS850 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 1-5	Included in equipment price listed in Table A
ExpressVote Tabulator Extended Warranty with Biennial Maintenance - Total Per Unit for Years 1-5	\$370.00
Extended Warranty with Annual Maintenance Years 1-5 - Additional Fee	
DS450 Extended Warranty With Annual Maintenance - Total Per Unit for Years 1-5	\$3,340.00
DS850 Extended Warranty With Annual Maintenance - Total Per Unit for Years 1-5	\$5,880.00
ExpressVote Tabulator Extended Warranty with Annual Maintenance - Total Per Unit for Years 1-5	\$440.00
Preventative Maintenance on Hardware (e.g., cleaning, lubrication, replacement of parts, labor, etc.) - Years 6- 10	
Extended Warranty with Biennial Maintenance Years 6-10	
DS450 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 6-10	\$10,520.00
DS850 Extended Warranty With Biennial Maintenance - Total Per Unit for Years 6-10	\$14,015.00
ExpressVote Tabulator Extended Warranty with Biennial Maintenance - Total Per Unit for Years 6-10	\$650.00
Extended Warranty with Annual Maintenance Years 6-10	
DS450 Extended Warranty With Annual Maintenance - Total Per Unit for Years 6-10	\$15,150.00
DS850 Extended Warranty With Annual Maintenance - Total Per Unit for Years 6-10	\$22,175.00
ExpressVote Tabulator Extended Warranty with Annual Maintenance - Total Per Unit for Years 6-10	\$750.00
Phone Support (i.e., a board of elections may contact a designated individual or Helpdesk for assistance with troubleshooting issues)	Included with Licensing and Support costs
Online Support (i.e., a board of elections may submit issues via an online portal hosted by the voting system's vendor)	Included with Licensing and Support costs
On-Site Repairs to Hardware (as opposed to having to ship equipment off-site)	Included with Biennial and Annual maintenance plans. Otherwise, time and materials rates will apply
Software Upgrades	Included with Licensing and Support costs, subject to ES&S Licensing and Maintenance provisions
Pre-Election Support (e.g., setup of election management software, pre-election programming and setup of ballots, configuration of reports, etc.)	\$1,850.00 per day. Day is defined as one (1) ES&S employee for a minimum of four (4) hours and maximum of twelve (12) hours on any one (1) calendar day
Creation of Test Deck (for pre-election testing)	Automated Test Deck included in Election Management and Ballot Definition Software cost \$350.00 per election set-up
Cost of Printing Test Deck (per sheet using ballot printer system)	\$0.10 per blank ballot stock sheet plus shipping & handling \$0.35 per ballot sheet processed by the ballot printer for Black & White ballots
Cost of Printing Test Deck (per sheet using print vendor)	Per Quote
Setup, Configuration and Printing Fees for Ballot Stub Barcode	Per Quote
Pre-Election Setup for Ballot Printer System	If Off-Site setup is chosen by customer: - \$350.00 per election set-up + \$1.00 per unique PDF (up to 4 computers) plus - \$40.00 per computer over 4 computers Rework of set up due to customer changes after initial set up is complete: - \$175.00 per change event - \$40.00 per computer over 4 units If Off-Site setup is not chosen by Customer, there will be an On-Site setup fee charged of \$1,850.00 per person per day
Ballot Processing Fees (per sheet or per ballot style) for Ballot Printer System	\$0.35 for black and white ballot \$0.45 for color ballot \$0.10 per sheet for blank ballot stock, plus shipping & handling

Assistance with Deployment of Equipment to Polling Locations	Not available
Training of Board of Elections' Staff	\$1,850.00 per day, per class. Class size limited to 10 participants for software training and 20 people for equipment training.
Training Materials for Precinct Election Officials	Standard materials included in training fees.
Training of Precinct Election Officials	\$1,850.00 per day, per class. Class size limited to 10 participants for software training and 20 people for equipment training.
Training Videos for Precinct Election Officials	Per Quote
Demonstration Videos for Voters	Per Quote
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)	\$1,850.00 per day. Day is defined as one (1) ES&S employee for a minimum of four (4) hours and maximum of twelve (12) hours on any one (1) calendar day.
Election Day Support (e.g., phone support; dispatch and onsite incident resolution, etc.)	\$1,850.00 per day or, \$4,675.00 for a three day site support event.
Election Night Support (e.g., on-site or remote assistance with tabulation and results reporting, etc.)	
Post-Election Support (e.g., on-site or remote assistance with official canvass of election, etc.)	

TABLE B: Non-State-Funded Items - Other

Item	Unit Cost
Voice Synthesis Software, If Priced Separately (For Creation of Audio Ballot for Sight-Limited Voters) - Years 6-10	Synthesized English language included in Election Management and Ballot Definition Software costs above.
Total for Years 6-10 Per Additional Language	\$9,145.00 total for years 6-10 for each additional synthesized voice file language.
ExpressVote Activation Card Printer	\$725.00
BOD Printer On-Site Maintenance	\$1,850.00 Per Day
Performance Bond	Per Quote

Note: Costs under "TABLE B: Non-State Funded Items - Other" do not include shipping & handling which will be billed separately.

BID PRICE PAGEVendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device for ADA Voters

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	1	\$44,925.00	\$44,925.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	1	\$6,300.00	\$6,300.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	13	\$4,670.00	\$60,710.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	13	\$320.00	\$4,160.00
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	14	\$2,864.00	\$40,096.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	14	\$220.00	\$3,080.00
Election Management and Ballot Definition Software ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00

Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.) Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$2,735.00	\$2,735.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$6,590.00	\$6,590.00
Logic and Accuracy Testing Prior to First Election	1	\$1,700.00	\$1,700.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$265,297.00
Training of Board of Elections' Staff Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example A			\$294,022.00

Note: See "TABLE B, Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE (continued)Vendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device for ADA Voters

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	1	\$44,925.00	\$44,925.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	1	\$6,300.00	\$6,300.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	24	\$4,670.00	\$112,080.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	24	\$320.00	\$7,680.00
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	25	\$2,864.00	\$71,600.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	25	\$220.00	\$5,500.00

Election Management and Ballot Definition Software			
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software			
Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer			
C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer			
Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)			
Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$4,385.00	\$4,385.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$9,010.00	\$9,010.00
Logic and Accuracy Testing Prior to First Election	2	\$1,700.00	\$3,400.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$359,881.00
Training of Board of Elections' Staff			
Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example B			\$388,606.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE (continued)Vendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device for ADA Voters

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	2	\$44,925.00	\$89,850.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	2	\$6,300.00	\$12,600.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	99	\$4,670.00	\$462,330.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	99	\$320.00	\$31,680.00
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	100	\$2,864.00	\$286,400.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	100	\$220.00	\$22,000.00

Election Management and Ballot Definition Software			
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software			
Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer			
C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer			
Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)			
Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$16,385.00	\$16,385.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$26,510.00	\$26,510.00
Logic and Accuracy Testing Prior to First Election	3	\$1,700.00	\$5,100.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$1,047,856.00
Training of Board of Elections' Staff			
Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example C			\$1,076,581.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE

Vendor: Election Systems & Software, LLC

Solution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device for All Voters

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 voters
- 13 to 39 precincts voting location

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	1	\$44,925.00	\$44,925.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	1	\$6,300.00	\$6,300.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	13	\$4,670.00	\$60,710.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	13	\$320.00	\$4,160.00
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	42	\$2,864.00	\$120,288.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	42	\$220.00	\$9,240.00

Election Management and Ballot Definition Software			
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software			
Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer			
C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer			
Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)			
Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$3,715.00	\$3,715.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$9,530.00	\$9,530.00
Logic and Accuracy Testing Prior to First Election	1	\$1,700.00	\$1,700.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$355,569.00
Training of Board of Elections' Staff			
Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example A			\$384,294.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE (continued)Vendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device for All Voters

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	1	\$44,925.00	\$44,925.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	1	\$6,300.00	\$6,300.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	24	\$4,670.00	\$112,080.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	24	\$320.00	\$7,680.00
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	115	\$2,864.00	\$329,360.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	115	\$220.00	\$25,300.00

Election Management and Ballot Definition Software			
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software			
Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer			
C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer			
Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)			
Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$7,535.00	\$7,535.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$18,460.00	\$18,460.00
Logic and Accuracy Testing Prior to First Election	2	\$1,700.00	\$3,400.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$650,041.00
Training of Board of Elections' Staff			
Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example B			\$678,766.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE (continued)Vendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450, DS200, and ExpressVote Ballot Marking Device for All Voters

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	2	\$44,925.00	\$89,850.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	2	\$6,300.00	\$12,600.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units (DREs)) DS200 Precinct Scanner with Plastic Ballot Box - Hardware Version 1.3/Firmware Version 2.17.0.0 Includes Scanner, Internal Backup Battery, Plastic Ballot Box with Steel Door and e-Bin, Paper Roll, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	99	\$4,670.00	\$462,330.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware DS200 Firmware License	99	\$320.00	\$31,680.00
Accessible Ballot Marking Device - ADA ExpressVote Ballot Marking Device - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Terminal, Soft-Sided Case, Internal Backup Battery, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device, and Five (5) Year Hardware Warranty	572	\$2,864.00	\$1,638,208.00
Licensing and Support for Software for Accessible Ballot Marking Device – ADA – Years 1-5 and billed with hardware ExpressVote Ballot Marking Device Firmware License	572	\$220.00	\$125,840.00

Election Management and Ballot Definition Software			
ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software			
Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer			
C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer			
Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.)			
Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$32,905.00	\$32,905.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$76,070.00	\$76,070.00
Logic and Accuracy Testing Prior to First Election	3	\$1,700.00	\$5,100.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$2,569,584.00
Training of Board of Elections' Staff			
Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example C			\$2,598,309.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGEVendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450 and ExpressVote Tabulator

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	1	\$44,925.00	\$44,925.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	1	\$6,300.00	\$6,300.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, Hub with Reports Printer, Paper Roll, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	42	\$4,423.00	\$185,766.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware ExpressVote Tabulator Firmware License	42	\$260.00	\$10,920.00
Election Management and Ballot Definition Software ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00

Ballot Printer C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.) Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$5,580.00	\$5,580.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$9,295.00	\$9,295.00
Logic and Accuracy Testing Prior to First Election	1	\$1,700.00	\$1,700.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$359,487.00
Training of Board of Elections' Staff Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example A			\$388,212.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE (continued)Vendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450 and ExpressVote Tabulator

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	1	\$44,925.00	\$44,925.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	1	\$6,300.00	\$6,300.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, Hub with Reports Printer, Paper Roll, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	115	\$4,423.00	\$508,645.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware ExpressVote Tabulator Firmware License	115	\$260.00	\$29,900.00
Election Management and Ballot Definition Software ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00

Workstation/Server for Election Management and Ballot Definition Software Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00
Ballot Printer C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.) Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$13,975.00	\$13,975.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$19,150.00	\$19,150.00
Logic and Accuracy Testing Prior to First Election	2	\$1,700.00	\$3,400.00
Subtotal – "State-Funded" Items (Table A of Bid Price Page)			\$721,296.00
Training of Board of Elections' Staff Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – "Non-State-Funded" Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example B			\$750,021.00

Note: See "TABLE B: Non-State-Funded Items" for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only

BID PRICE PAGE (continued)Vendor: Election Systems & Software, LLCSolution Description (Optical Scan, DRE, Hybrid, etc.): DS450 and ExpressVote Tabulator

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
High-Speed Scanner (for Central Count of Absentee Ballots) DS450 Central Scanner - Hardware Version 1.0/Firmware Version 3.1.0.0 Includes Scanner, Steel Table/Cart, Start-up Kit, Dust Cover, Reports Printer, Audit Printer, Battery Backup, Two (2) USB Cables, Two (2) Standard 8GB Memory Devices and Five (5) Year Hardware Warranty with Biennial Maintenance	2	\$44,925.00	\$89,850.00
Licensing and Support for Software for High-Speed Scanner – Years 1-5 and billed with hardware DS450 Firmware License	2	\$6,300.00	\$12,600.00
Precinct-Based Voting Equipment (i.e., Precinct-Count Optical Scanners, Marking Devices/Touchscreen Interfaces for Hybrid Units, Direct Recording Electronic Units [DREs]) ExpressVote Tabulator - Hardware Version 2.1/Firmware Version 2.4.0.0 Includes Tabulator Terminal, Internal Backup Battery, Rolling Kiosk with Card Bin, Hub with Reports Printer, Paper Roll, ADA Keypad, Headphones, One (1) Standard 4GB Memory Device and Five (5) Year Hardware Warranty	572	\$4,423.00	\$2,529,956.00
Licensing and Support for Software for Precinct-Based Equipment – Years 1-5 and billed with hardware ExpressVote Tabulator Firmware License	572	\$260.00	\$148,720.00
Election Management and Ballot Definition Software ElectionWare PYO Standard (Base Package with English Language Synthesized Voice Files) - EVS 6000	1	\$15,395.00	\$15,395.00
Licensing and Support for Election Management and Ballot Definition Software – Years 1-5 and billed with hardware	1	\$61,580.00	\$61,580.00
Workstation/Server for Election Management and Ballot Definition Software Dell Optiplex 5050 Mini (Desktop) with 22" Monitor, Uninterruptible Power Supply (UPS) Battery Backup 850VA, Symantec Endpoint Protection 14.0.1, Symantec 14.0.1 Maintenance/Support, Adobe Acrobat Standard XI, OKI B432DN Mono Laser Duplex Printer, and LD 6' USB 2.0 A-B Cable	1	\$2,686.00	\$2,686.00

Ballot Printer C711 OkiData Compact Printer with Five (5) Year Hardware Warranty	1	\$3,795.00	\$3,795.00
Software for Ballot Printer Balotar Software with MRS and SRS Capability (One (1) License Required Per Laptop)	1	\$2,845.00	\$2,845.00
Workstation for Ballot Printer Software (i.e., laptop/desktop, monitor, etc.) Ballot On Demand Laptop	1	\$1,320.00	\$1,320.00
Licensing and Support for Software for Ballot Printer – Years 1-5 and billed with hardware	1	\$7,380.00	\$7,380.00
Delivery, Shipping of Equipment to Board of Elections' Office or Facility (Estimated)	X	\$67,280.00	\$67,280.00
Voting System Deployment (e.g., software installation and configuration, acceptance testing, etc.)	X	\$81,845.00	\$81,845.00
Logic and Accuracy Testing Prior to First Election	3	\$1,700.00	\$5,100.00
Subtotal – “State-Funded” Items (Table A of Bid Price Page)			\$3,030,352.00
Training of Board of Elections' Staff Three (3) Equipment Operations Training Days and Five (5) Software Training Days	8	\$1,850.00	\$14,800.00
Election Support Event	1	\$4,675.00	\$4,675.00
Project Management and Pre Election Support	5	\$1,850.00	\$9,250.00
Subtotal – “Non-State-Funded” Items (Table B of Bid Price Page)			\$28,725.00
Total Cost for Example C			\$3,059,077.00

Note: See “TABLE B: Non-State-Funded Items” for maintenance option and license costs through year 10 and any applicable per election costs.

*Not part of the evaluation, for reference only



INSTRUCTIONS, TERMS & CONDITIONS FOR BIDDING

I-32. Electronic Commerce Program. *The State of Ohio is an active participant in E-Commerce to include Electronic Data Interchange (EDI). This program will benefit both the State and the Contractor by reducing time delays in receiving invoices and making payments that are associated with the existing manual processes. The Contractor is encouraged to move toward compliance with electronic commerce technologies, as this will be the preferred method of doing business with the State of Ohio. Information regarding E-Commerce is available on the Office of Budget and Management's website at <http://obm.ohio.gov/StateAccounting/edi/>*

ES&S RESPONSE

ES&S is unable to comply with this requirement at this time.



ATTACHMENT E: OHIO SECRETARY OF STATE ELECTION NIGHT SYSTEM REPORTING REQUIREMENTS

SUMMARY

Each voting system in use in Ohio must have the capability to export files in specified-formats which may then be uploaded through the Ohio Secretary of State County Submission System (CSS) to report those results as required by law (R.C. 3505.27(C)).

This document outlines the various files each voting system must export as well as other reporting capabilities each voting system must possess.

GENERAL REPORTING REQUIREMENTS

The voting system shall:

1. Provide the ability to custom design a report to include the following information in total or in part:

- a. Name of county;*
- b. Name of election;*
- c. Political subdivision and party involved – separate reports should be available for each subdivision and party;*
- d. Date of election;*
- e. Type of report;*
- f. Total number of registered voters in each political subdivision and total number of registered voters in each race, and, where applicable, a breakdown by party;*
- g. Total number of registered voters in each voting precinct, including the option to provide a sub-listing when the precinct is split;*
- h. Total number of ballots cast by a voter (which details the count of the first page cast, not the total number of ballot pages that were cast);*
- i. Total number of pages of ballots cast; and*
- j. Provide for the formatting of election results by capturing election data embedded in the data base and producing specialized reports (i.e., a report of votes by multi-member district, legislative district or congressional district).*

ES&S RESPONSE

- a-h. ES&S agrees and will comply.
- i. This functionality is planned for a future release.

j. ES&S agrees and will comply.

2. Provide a report of precincts reporting results and a listing of precincts not reporting results.

ES&S RESPONSE

ES&S agrees and will comply.

3. Provide for report customization through reformatting the manner in which data is displayed.

ES&S RESPONSE

ES&S agrees and will comply.

4. Provide for the resetting of results for an already counted precinct and re-counting of that same precinct in the event of errors in transmission.

ES&S RESPONSE

ES&S agrees and will comply.

5. Provide individualized sample ballot information for reproduction and distribution.

ES&S RESPONSE

ES&S agrees and will comply.

6. Provide exports necessary for the automatic transmission of election results.

ES&S RESPONSE

ES&S agrees and will comply.

7. Provide for the export of results in file format provided by the Secretary of State.

ES&S RESPONSE

ES&S agrees and will comply.

8. Provide for the file naming convention provided by the Secretary of State to be read by the SOS County Submission System to ensure that a file cannot be upload more than one time.

ES&S RESPONSE

ES&S agrees and will comply.

9. Provide for the import into its Election Management System (EMS) and subsequent export of the following:

- a. SOS Candidate ID Codes;
- b. SOS State Issues ID Codes; and
- c. SOS Precinct ID Codes.

ES&S RESPONSE

ES&S agrees and will comply.

10. Provide for the storage of election results in any format requested.

ES&S RESPONSE

Data can be exported from Electionware, our Election Management System, in a number of formats, including plain text, .XML, and .CSV. Significant additional customization is allowed using XSLT. Reports can be exported as .PDF, .RTF, .HTML, .XLSX, and .CSV files.

11. Provide for election results to be formatted and produced in such a manner as to allow reproduction for printed distribution upon request.

ES&S RESPONSE

ES&S agrees and will comply.

12. Provide for:

a. Reporting of ballots cast from higher-aggregate levels down to finer-level of detail, including:

i. If a multi-sheet ballot, report only the casting or counting of page one of the ballot (which should reflect the total voters);

ii. If a multi-sheet ballot, provide the option to report the total number of pages of the ballot cast or counted;

iii. Summary-level reporting;

iv. Reporting by precinct and splits of precincts; and

v. Reporting of ballots cast by precinct and precinct-split by party

b. Reporting of contests form higher-aggregate levels down to finer-levels of detail, including:

i. Summary-level reporting;

ii. Reporting by precinct and splits of precincts;

iii. Reporting by ballot type, e.g., absentee, election day, provisional, other; and

iv. Reporting by device type and specific voting device.

c. Major elements such as contests, geopolitical units, and parties include the capability to support multiple types of identifiers and cross-references.

d. The voting system must have the capabilities to turn off the reporting and exporting of data until ENR components are constructed to report such data and to allow for the flexibility.

ES&S RESPONSE

a.i. ES&S agrees and will comply.

a.ii. This functionality is planned for a future release.

a.iii.-b.iii. ES&S agrees and will comply.

b.iv. This functionality is planned for a future release.

c. and d. ES&S agrees and will comply.

13. Include elements of National Institute of Standards and Technology (NIST) Special Publication 1500-100 Elections Results Common Data Format Specification Version 1.0.

ES&S RESPONSE

This functionality is planned for a future release.

14. For testing purposes, the system must allow for test data to be manually entered into the tabulation system for any contest, race, or issue.

ES&S RESPONSE

ES&S agrees and will comply.



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
10/03/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Central, Inc. Omaha NE Office 11213 Davenport Suite 201 Omaha NE 68154 USA	CONTACT NAME: PHONE (A/C. No. Ext): (402) 697-1400 FAX (A/C. No.): (402) 697-0017		
	E-MAIL ADDRESS:		
INSURED Election Systems & Software, LLC 11208 John Galt Blvd Omaha NE 68137 USA	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Trumbull Insurance Company		27120
	INSURER B: Hartford Casualty Insurance Co		29424
	INSURER C: Twin City Fire Insurance Company		29459
	INSURER D: Illinois National Insurance Co		23817
	INSURER E:		
INSURER F:			

COVERAGES **CERTIFICATE NUMBER: 570073453597** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **Limits shown are as requested**

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:			41 UUN ZT9907	10/01/2018	10/01/2019	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> \$1,000 Comp Ded <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> \$1,000 Coll. Ded			41 UUN ZT9907	10/01/2018	10/01/2019	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$10,000			41XHUZT9858	10/01/2018	10/01/2019	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	41WEAB9NF1	10/01/2018	10/01/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L EACH ACCIDENT \$500,000 E.L DISEASE-EA EMPLOYEE \$500,000 E.L DISEASE-POLICY LIMIT \$500,000
D	E&O-PL-Primary			018430693	10/01/2018	10/01/2019	Limit \$10,000,000 SIR \$100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The State, its officers, officials and employees are included as Additional Insured in accordance with the policy provisions of the General Liability and Automobile Liability policies. General Liability evidenced herein is Primary and Non-Contributory to other insurance available to an Additional Insured, but only in accordance with the policy's provisions. A waiver of Subrogation is granted in favor of State of Ohio in accordance with the policy provisions of the General Liability, Automobile Liability and workers' Compensation policies.

CERTIFICATE HOLDER

CANCELLATION

General Services Division Office of Procurement Services Attn: Bid Desk 4200 Surface Road Columbus OH 43228-1395 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Central Inc</i>

Holder Identifier :

Certificate No : 570073453597



ADDITIONAL REMARKS SCHEDULE

AGENCY Aon Risk Services Central, Inc.		NAMED INSURED Election Systems & Software, LLC	
POLICY NUMBER See Certificate Number: 570073453597			
CARRIER See Certificate Number: 570073453597	NAIC CODE	EFFECTIVE DATE:	

ADDITIONAL REMARKS

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance**

Workers' Compensation Underwriting Co.

Hartford Casualty Insurance Company:
Illinois

Hartford Underwriters Insurance Company:
Missouri
New Jersey
North Carolina
Texas

Property & Casualty Insurance Company of Hartford:
Colorado
Alabama

Sentinel Insurance Company:
Iowa

Trumbull Insurance Company:
California
Nebraska

Twin City Fire Insurance Company:
Arizona
Arkansas
Florida
Georgia
Idaho
Indiana
Kansas
Kentucky
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
New York
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin



U. S. ELECTION ASSISTANCE COMMISSION
VOTING SYSTEM TESTING AND CERTIFICATION PROGRAM
1335 East West Highway, Suite 4300
Silver Spring, MD 20910

July 2, 2018

Sue McKay
Election Systems and Software
11208 John Galt Blvd
Omaha, NE 68137

Sent via e-mail

Re: Agency Decision – Grant of Certification

Dear Ms. McKay,

As required under §5.9 of the EAC's Voting System Testing and Certification Program Manual, ES&S and SLI Compliance have provided the necessary documentation for the EVS 6.0.0.0 voting system verifying that 1) the trusted build has been performed, 2) software has been deposited in an approved repository, 3) system identification tools are available to election officials, and 4) signed a letter stating, under penalty of law, that you have:

1. Performed a trusted build consistent with the requirements of §5.6 of the EAC's Certification Manual;
2. Deposited software consistent with §5.7 of the EAC's Certification Manual;
3. Created and made available system identification tools consistent with §5.8 of the EAC's Certification Manual (a copy and description of the system identification tool developed must be provided with the letter); and
4. Upon a final decision to grant certification, the manufacturer accepts the certification and all conditions placed on the certification.

Based on the review of the documentation above and the fact that ES&S EVS 6.0.0.0 successfully completed conformance testing to the Voluntary Voting System Guidelines Version 1.0 (VVSG 1.0), the Voting System Testing & Certification Program Director has recommended EAC certification of this system.

I have reviewed all of the documentation and concur with the Program Director's recommendation. As such, I hereby grant EAC Certification to ES&S EVS 6.0.0.0 to the VVSG 1.0.

The EAC certification number issued for this system is: **ESSEVS6000**. In addition, a Certificate of Conformance shall be provided to ES&S as evidence of the EAC certification of the EVS 6.0.0.0. The Certificate of Conformance shall be provided to

ES&S no later than five business days from the date of this letter, and it shall be posted on the EAC's website.

As stated in §5.11 of the EAC's Certification Manual, the EAC certification and certificate apply only to the specific voting system configuration(s) identified, submitted, and evaluated under the Certification Program. Any modification to the system not authorized by the EAC shall void the certificate.

If you have any questions or need further information, please do not hesitate to contact Brian Hancock or Ryan Macias at your earliest convenience. I thank you in advance for your time and attention to this matter and congratulate you on this achievement.

Sincerely,

A handwritten signature in blue ink, appearing to read "BDN".

Brian D. Newby
Executive Director
Decision Authority

Cc: Brian Hancock, U.S. Election Assistance Commission
Mike Santos, SLI Compliance

EXPRESSVOTE, DS200 & EVS 6.0.0.0 IMPLEMENTATIONS

1-5. Bids are a Public Record. Interested bidders may attend the opening of the bids. After bids are opened and certified by the Auditor of State, they are available for public review by interested parties who have registered with the bid desk to review the bids. Once bids have been reviewed, they will be forwarded to the contract analyst to begin the evaluation and award process. After bids are opened they are public records as defined in Section 149.43 of the Ohio Revised Code (ORC). Bidder may request that certain information, such as trade secrets or proprietary data, be designated as confidential and not considered as public records. Material so designated shall accompany the bid and be in a sealed container duly marked, and shall be readily separable from the bid in order to facilitate public inspection of the non-confidential portion. Prices, makes, models, catalog numbers of items offered, deliveries and terms of payment shall not be considered as confidential. The decision as to whether or not such trade secrets or proprietary data shall be disclosed at the bid opening rests solely with DAS.

ES&S RESPONSE

Please see the included separate sealed envelope marked **confidential** for **Appendix C: ExpressVote DS200 & EVS 6.0.0.0 Implementations**.

Acceptance Checklist: ES&S Software/Firmware

Date: _____

County/Jurisdiction Name: _____

County/Jurisdiction Representative (please print): _____

Applications/Firmware Installed (check all that apply):

- | | | |
|--------------------------|--------------------------------------|----------------|
| <input type="checkbox"/> | AutoMARK Firmware | Version: _____ |
| <input type="checkbox"/> | Ballot on Demand (BOD) | Version: _____ |
| <input type="checkbox"/> | Ballot Online: ExpressPass | Version: _____ |
| <input type="checkbox"/> | Ballot Online: UOCAVA | Version: _____ |
| <input type="checkbox"/> | DS200 Firmware | Version: _____ |
| <input type="checkbox"/> | DS450 Firmware | Version: _____ |
| <input type="checkbox"/> | DS850 Firmware | Version: _____ |
| <input type="checkbox"/> | Election Reporting Manager (ERM) | Version: _____ |
| <input type="checkbox"/> | Electionware Suite | Version: _____ |
| <input type="checkbox"/> | Electionware Toolbox: Test Deck | Version: _____ |
| <input type="checkbox"/> | Electionware Toolbox: Text to Speech | Version: _____ |
| <input type="checkbox"/> | Event Log Service (ELS) | Version: _____ |
| <input type="checkbox"/> | ExpressLink | Version: _____ |
| <input type="checkbox"/> | ExpressVote | Version: _____ |
| <input type="checkbox"/> | ExpressVote Activation Card Printer | Version: _____ |
| <input type="checkbox"/> | ExpressVote Previewer | Version: _____ |
| <input type="checkbox"/> | Regional Transmission | Version: _____ |
| <input type="checkbox"/> | Removable Media Service (RMS) | Version: _____ |
| <input type="checkbox"/> | VAT Preview | Version: _____ |
|
 | | |
| <input type="checkbox"/> | Electronic Pollbook: EP5000 | Version: _____ |
| <input type="checkbox"/> | Electronic Pollbook: Tablet | Version: _____ |
| <input type="checkbox"/> | EZ Roster | Version: _____ |
|
 | | |
| <input type="checkbox"/> | Other - Product Name: _____ | Version: _____ |
| <input type="checkbox"/> | Other - Product Name: _____ | Version: _____ |

By signing I acknowledge that I have performed the following steps with the above items:

- Launched each of the applications selected above and verified the version.
- Installed the firmware selected above, powered on each machine and verified the version.

Notes: _____

County/Jurisdiction Representative Signature: _____

(Fax completed form to "ES&S Technical Services" @ 1.402.970.1285)

Acceptance Checklist: DS200

Serial #: _____

Firmware: _____

Jurisdiction: _____

Machine ID: _____

Visual Inspection

- Verify no scratches or gouges on any part of the unit
- Verify labels in correct location and orientation
- Ensure printer paper roll is installed in printer

Physical Inspection

- Accessory Box:
 - Power Cord
 - Power Supply
 - 4 keys & Stamp
 - Black Core Paper
- Check installation on ESD static brushes
- Check installation on Copper Tape on paper suppress tray.
- Boot up the unit on battery power only
- Connect A/C cord to wall power adapter. While the battery pack is charging, the rear LED, located next to the wall power adapter cord connector, will be amber in color and blink slowly. When the battery pack is fully charged, the LED will be a solid green.
 - o Ensure that the screen displays an A/C plug icon and that an 'X' does not appear in the upper right corner.
- Enter the Touch Screen Calibration by pressing **Close Polls** after boot-up, but before inserting flash drive.
 - o Touch the two circles (one in the upper left corner and one in the lower right corner of the screen) and then press **Save & Exit**.
- On Startup Printout, verify the
Scanner Board: _____; PMB: _____; DS200 Firmware: _____.
- Insert EQC flash drive and follow EQC process on screen.
- Insert the flash drive containing the Favorite Things demo election into USB port B.
 - o When the unit recognizes the flash drive w/ demo election, the election icon will go from an X to a green check mark (✓).
- Check date and time at the top of the display.
 - a. To change the date or time, press **Go to Admin**.
 - b. Enter the password and press **Enter**.
 - c. Press **Systems Settings > Date and Time**.
 - d. To make the changes, select **Date** or **Time** and use the screen that appears. Press **Enter**.
 - e. Press **Previous**, then **Accept New Time**.
- Press **OPEN POLLS** to scan the Favorite Things demo ballots.
- Ensure that the test ballots scan in all four orientations.
- Insert the 2 demo ballots to check the multi-sheet sensor. Two sheets should be rejected.
- Disconnect the wall power adapter cord from unit.
 - o The unit should continue to operate, and an X should appear above the AC icon.
 - o Check multi-sheet function on battery power.

Acceptance Checklist: DS200

- Reconnect the wall power supply cord.
 - The X should disappear from the above A/C icon.
- Press and hold **CLOSE POLLS** for two seconds to close the polls.
- Verify that the precinct report printout should read 4 ballots cast.
- Check modem operation. (When unit is equipped with a modem.)
- Press **Shutdown** to turn off the unit.
- Verify that the Display switch operates correctly:
 - With the wall power adapter still connected to the unit, lower the display to the closed position.
 - Raise the display back to the opened position.
 - The unit should power back up.



Note: The display switch will not operate if the wall power supply cord has been removed.

- Verify that all locks and doors function smoothly and are locked.
- Add spike cube to box.

Inspector: _____ **Date:** _____

Attach printed paper records from DS200 to this checklist.



Acceptance Checklist: DS450

Serial Number: DS45

Date _____

Owner _____

- Check lower reverse roller pulleys
- Drive belt tensions
- Check all set screws on pulleys
- Check Reverse Belts/ Gap
- Check all cable connections/ cables
- Check CIS cables for Correct Routing/ Kinks on CIS Cable
- Check that pick mech doesn't roll when idle
- Check safety covers for possible ballot catching points
- CISs properly grounded
- Check paper gap through transport
- Verify firmware - CF/Boards ---->
- Check input tray/output bin heights with folded ballots
- Check Thresholds 200/150
- Check oval thickness sheet
- Calibrate CISs if needed
- Check Multisheet/ Watch light on board
- Check Ballot serialization printer
- Check all USB ports
- Check output bin arms for side to side movement.
- Check outstack bins for proper messages
- Run test deck (Min 2000)

- Check Date and Time, Timezone: _____
- Check Fan Guard
- Check Pick Mechanism arm and
Output bins for free Movement (Not Sticky)

CIS:

INTERFACE: _____

LIBRARY: _____

FIRMWARE: _____

MAIN MOTOR: _____

CONTROLLER: _____

IMPRINTER: _____

OUTPUT BIN: _____

DETECTORS BANK 1: _____

DETECTORS BANK 2: _____

Notes/Failure Code:

Inspector: _____



Acceptance Checklist: DS850

Serial Number: DS85

Date _____

Owner _____

- Drive belt tensions
- Check all set screws on pulleys
- Check Reverse Belts/ Gap
- Check all cable connections/ cables
- Check camera cables for Correct Routing/ Kinks on Camera Cable
- Check deflector guides
- Check safety covers for possible ballot catching points
- Check Input tray / Output bin screws
- Check input/output tray heights with folded ballots
- Serial Number Verified
- Check Multisheet/ Watch light on board
- Read head gap
- Check Thresholds 200/120
- Check oval thickness sheet
- Shading compensation (Top and bottom skins must be on)
- Run test deck
- Verify firmware - CF/Boards ----> **Listed Below**
- Check all USB ports
- Check Clutch Mechanism
- Check Feed Plate Rollers
- Check Date and Time, Timezone: _____
- Hand move Ballot through paper path
- Check Gas Strut Replaced ___ YES ___ NO
- Check Multi-Sheet Sensor arm and Output bins for free Movement (Not Sticky)
- Check reverse roller pulleys for proper alignment

CAMERA:

INTERFACE: _____

LIBRARY: _____

FIRMWARE: _____

CONTROLLER: _____

OUTPUT BIN: _____

INPUT TRAY: _____

DETECTORS BANK 1: _____

MAIN MOTOR: _____

SOLENOIDS: _____

IMPRINTER: _____

DETECTORS BANK 2: _____

Notes/Failure Code: _____

Inspector: _____

Acceptance Checklist: ExpressVote Marker

Serial #: _____

Firmware: _____

Jurisdiction: _____

Machine ID: _____

Visual Inspection:

- Verify no scratches or gouges on any part of the unit
- Verify labels in correct location and orientation
- Verify battery is installed
- Inspect all fasteners and plastic parts

Setup:

- Place the ExpressVote on level surface
- Connect to A/C cord to machine and wall outlet
- Unlock left side access door, flip power switch to ON position
- Connect navigation keypad to RJ port near power switch
- Insert USB stick containing the EQC data and enter code when prompted
- Insert USB stick containing sample Election Data and enter code when prompted

Print Testing:

- Insert a ballot activation card and begin voting following instructions on screen
- Insert additional activation cards to test each ballot configuration in the election
- Review printed card for complete, dark print
- Reinsert voted card and review summary to confirm scanner is working properly

Audio Testing:

- Connect audio headset
- Verify audio can be heard throughout the voting process
- Use the triangular navigation buttons to navigate the ballot
- Press the Repeat, Tempo and Volume buttons to confirm all functionality
- Activate all buttons to confirm keypad is fully operational

Inspector: _____

Date: _____

Attach printed paper records from ExpressVote to this checklist.

Acceptance Checklist: ExpressVote Tabulator

(also applicable for Rolling Kiosk configuration)

Serial #: _____

Firmware: _____

Jurisdiction: _____

Visual Inspection:

- Verify no scratches or gouges on any part of the enclosure, unit, kiosk and secure ballot container
- Verify labels in correct location and orientation
- Inspect all fasteners and plastic parts on the enclosure, unit, kiosk and secure ballot container
- Clean touch screen – Apply cleaner onto no lint cloth instead of screen

Setup:

- Setup the Kiosk on a level surface
- Verify all connections under the clear window on the back of the enclosure
- Install ballot bin and check release mechanism.
- Connect A/C cord to machine and wall outlet
- Unlock left side access door, flip power switch to ON position
- Confirm CIS is closed
- Verify LEDs on front panel are functional
- Verify Date/Time
- Verify battery installation via Battery Status
- Confirm Internal Serial Number matches unit Serial Number label
- Confirm scanner calibration PWM settings are within specification
- Verify touch screen calibration
- Confirm rear eject functions
- Connect navigation keypad to RJ port near power switch
- Insert USB flash drive containing the EQC data and enter code when prompted
- Insert USB flash drive containing sample election data and enter code when prompted
- Open the poll and insert the Master Media when prompted then remove when prompted

Acceptance Checklist: ExpressVote Tabulator

(also applicable for Rolling Kiosk configuration)

- Verify all USB ports are functional

Report Printer Testing:

- Install a paper roll into the report printer
- With the Poll open, reinsert the master media and print a zero report
- Remove the Master Media when printing is complete

Barcode Scanner Testing:

- From the Admin Menu - BOL Scanner Setup scan a barcode and verify the output

Print and Cast Ballot Testing:

- Insert a ExpressVote activation card and begin voting following on screen instructions
- Insert additional activation cards to test each ballot configuration in the election
- Review printed vote summary card for complete, dark print
- Reinsert vote summary card and review summary to confirm scanner is working properly
- Cast the card and verify the public count increments and that the card is rear ejected into the secure ballot container

Audio Testing:

- Connect audio headset
- Verify audio can be heard throughout the voting process
- Use the triangular navigation buttons to navigate the ballot
- Press the Repeat, Tempo and Volume buttons to confirm all functionality
- Activate all buttons to confirm keypad is fully operational

Inspector: _____ Date: _____

Attach printed paper records from ExpressVote to this checklist.

Compact-Balotar Acceptance Checklist - 2018

State:	_____	Computer Name	_____
County:	_____	Laptop Serial #	_____
OKI Serial #	_____	Laptop IP Add:	_____
OKI IP Add--	_____	MAC Address:	_____
Ballot-Layout Person?	_____	Laptop Type:	_____
Teamviewer ID	_____		_____
	_____		_____

Printer

- Remove 2nd Tray from Box
 - Attach Tray-extension (if ballot will be longer than 14")
- Take top off of OKI-711 box. Remove bag and pieces of tape.
- Lift and place OKI on top of Tray-2.
- Open cover and remove packing-pieces from inside; lock toners in place.
- Plug-in power-cord and push Power-switch on right-side.
- On Menu-screen press "Menu", "Menus", "System Adjust ", "Power Save Time" and select "60 minutes".
- Apply the different "ES&S" labels.
- Put 8.5x11 paper in Tray-1. **Print a configuration-page.**

Laptop

- Connect external-mouse.
- Plug-in and power-on.
- Power-on and login to the Admin-acct. (Windows password= "ba10tar").
- Remove User-Account

- Put laptop on the network, via LAN or wireless
- Install Printer (via USB or Ethernet cable; use special Driver)
- Right-click on the installed printer—Select “Printer Properties” and go to the “Device Settings” tab; Under “Installable Options” area, make sure that “Duplex” is set at “Installed”.
- Right-click on the Printer- icon—Select “Printing Preferences”
 - “Layout”-tab: Click “Flip on Long Edge”. Click on “Advanced”-button.
 - “Advanced”—“Paper-Size”=’Postscript Custom Page Size’, “Media Check”=’Off’, “Media Type”=’Medium-light’, “Tray Switch”=’Off’.
 - “Paper Quality”-tab: “Paper Source”=’Tray-2’, “Color”=’B&W’
 - “Job Options”-tab: check “Normal”, Click on the “Advanced”-button and make sure that “Adjust ultra fine lines” is unchecked.
 - “Color”-tab: Select ‘Gray-scale print’.
- Go to “Control Panel”, “Network and Share Center” and click on “Change Advanced Sharing Settings” and set the following:
 - Network Discovery—“ON”
 - File & Printer Sharing—“ON”
 - Public Folder Sharing—“ON”
 - Password Protected Sharing—“OFF”
- Check Time, Date, Time-Zone
- Setup “Hot Folder” [C:\VRHotfolder]
 - Give “Everyone” all permissions
 - Make it a “Shared” folder
- Record “Teamviewer” number.
- Insert your flashdrive and open-up a PDF-file. Click on “Print” and set “Page-scaling” to “None” and click “Auto-rotate and center”. Print the PDF.
- Use Menu-screen on OKI to adjust X & Y-coordinates as needed [Down-arrow/”Menu”/”System Adjust”/”Print Position Adjust”

Balotar-Software

- Make sure that the right Version of Balotar has been installed
- Verify that the Software-License has the right date
- Set "Clients"
- Set "I/O Setups"
- Set "Voter Data Formats"
- Add Relationship-Table to Side-file Folder
- Add Demo-PDF to "Input" Folder and a Blank folder inside the "PDF-Bank" Folder
- Generate the "Setup" Ballot-Design
- Create the needed "Jobs"
- Create the needed "Overprints"
- Print a ballot, using one of the Manual jobs

JON HUSTED
Ohio Secretary of State



180 East Broad Street, 16th Floor
Columbus, OH 43215
(877) 767-6446 | (614) 466-2645
info@OhioSecretaryofState.gov
www.OhioSecretaryofState.gov

August 1, 2018

Steve Pearson, Sr. Vice President of Certification
Election Systems & Software
11208 John Galt Blvd.
Omaha, NE 68137

Re: EVS 6.0.0.0 Voting System

Dear Mr. Pearson:

This letter is to confirm that the Ohio Board of Voting Machine Examiners (BVME) met May 18, 2018 to examine the EVS 6.0.0.0 Voting System, a series of modifications to the EVS 5.2.2.0 and EVS 5.4.0.0 Voting Systems, submitted by your company, Election Systems & Software (ES&S).

The Board examined the voting system and concluded that it satisfies the requirements prescribed by the Ohio Revised Code and the Ohio Administrative Code and may be used in Ohio elections.

If you have any questions regarding this letter, please feel free to contact me at bsekles@OhioSecretaryofState.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Brandi Laser Seskes".

Brandi Laser Seskes
Deputy Elections Administrator & Elections Counsel

Inspector: _____
Date: _____ County: _____
Serial #: _____ Firmware: _____
Jurisdiction: _____ Machine ID: _____

Physical Inspection

Ensure printer paper roll is installed in printer and that there is a sufficient amount to complete PM.

Testing of Unit

- Connect A/C cord to wall power adapter. While the battery pack is charging, the rear LED, located next to the wall power adapter cord connector, will be amber in color and blink slowly. When the battery pack is fully charged, the LED will be a solid green.
- With the unit plugged in, raise the screen. The unit should boot-up automatically.
- Enter the Touch Screen Calibration by pressing **Close Polls** after boot-up.
- On the configuration printout, verify the:
Scanner Board: _____; PMB: _____; DS200 Firmware: _____
- Insert EQC thumb drive and follow EQC process on screen.
- Insert the thumb drive containing the Favorite Things demo election into USB port B.
- Check date and time at the top of the display. Change as needed.
- Press **OPEN POLLS** to scan the Favorite Things demo ballots.
- Ensure that the test ballots scan in all four orientations.
- Insert the 2 demo ballots to check the multi-sheet sensor (all 4 orientations). Two ballots should be rejected.
- Repeat the step above on battery power (all 4 orientations). Two ballots should be rejected.
- Test that units will accept ExpressVote ballots (all 4 orientations).
- With the unit back on A/C power, press and hold **CLOSE POLLS** for two seconds to close the polls.
- Verify that the precinct report printout should read 8 ballots cast.
- Check modem operation.
- Press **Shutdown** to turn off the unit.
- Clean top and bottom CIS's



DS450 PM Checklist

Doc#: 450_PMChklist_revA
Contract # [ENTER HERE]

Date: _____
Serial Number: DS450

Jurisdiction: _____
County: _____
Machine ID: _____

- Check Reverse Belts/Gap
- Check Output/Input Tray screws
- Clean/Check Deflector guides
- Clean/Check Transport & Rollers
- Clean/Check 3 cooling fans
- Check safety covers for possible ballot catching points
- Check Triple rollers
- Check all cable connections
- Check CIS cables for kinks
- Check Drive belt tensions
- Check all set screws on pulleys
- Check Pick and Output trays sensor arms for free movement
- Check all USB ports
- Check Serial number
- Check Date and Time
- Check Thresholds 200/150
- Check input/out tray heights
- Check oval thickness ballot
- Calibration needed ____ Yes ____ No
- Check multisheet/ Watch light on board
- Run Test Deck

Verify firmware - CF/Boards ----> **Listed Below**

CAMERA:

INTERFACE: _____

LIBRARY: _____

FIRMWARE: _____

CONTROLLER: _____

OUTPUT TRAY: _____

INPUT TRAY: _____

DETECTORS BANK 1: _____

MAIN MOTOR: _____

SOLENOIDS: _____

IMPRINTER: _____

DETECTORS BANK 2: _____

Notes/Failure Code: _____

Inspector: _____





DS850 PM Checklist

Serial Number: DS850

Date _____

Owner _____

- Check Reverse Belts/Gap
- Check Output/Input Tray screws
- Clean/Check Deflector guides
- Clean/Check Transport & Rollers
- Clean/Check 4 cooling fans
- Check safety covers for possible ballot catching points
- Check Read head gap
- Check Triple rollers
- Check gas strut/ Replaced ____ Yes ____ No
- Check all cable connections
- Check camera cables for kinks
- Check Drive belt tensions
- Check all set screws on pulleys
- Check Clutch Mechanism
- Hand move ballot through transport
- Check Pick and Output trays sensor arms for free movement
- Check all USB ports
- Check Serial number
- Verify firmware - CF/Boards ----> **Listed Below**

- Check Date and Time
- Check Thresholds 200/120
- Check input/out tray heights
- Check oval thickness ballot
- Calibration needed ____ Yes ____ No
- Check multisheet/ Watch light on board
- Run Test Deck
- Check Image Quality with Oval Ballot

CAMERA:

INTERFACE: _____

LIBRARY: _____

FIRMWARE: _____

CONTROLLER: _____

OUTPUT TRAY: _____

INPUT TRAY: _____

DETECTORS BANK 1: _____

MAIN MOTOR: _____

SOLENOIDS: _____

IMPRINTER: _____

DETECTORS BANK 2: _____

Notes/Failure Code: _____

Inspector: _____



ExpressVote Marker PM Checklist

Contract # [ENTER HERE]

Inspector: _____
Date: _____
Serial #: _____
Jurisdiction: _____

County: _____
Firmware: _____
Machine ID: _____

Visual Inspection:

- Inspect physical structure of unit for problems and that all parts are included

Maintenance Requirements:

- Clean CIS
- Clean Print Head
- Check and clean all rollers
- Check that all cable connections are secure and battery is connected and secure

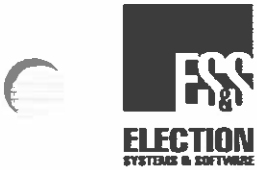
Official Mode

- Calibrate touch screen if necessary
- Confirm firmware version
- Verify battery status/strength/charge level
- Set date/time/time zone/DST in *System Maintenance* menu and reboot (verify changes take effect)
- Verify that the Calibration Required column has all green bars with NO in them (if not, recalibrate)
- Insert USB stick containing the EQC data and enter code when prompted
- Insert USB stick containing sample Election Data and enter code when prompted.
- Verify all USB ports are functional

Voter Mode

- Plug in audio headset and listen for prompts
- Plug in keypad and verify all buttons emit a beep when pressed
- Insert a ballot activation card and perform 8 vote tests ensuring audio and all keypad buttons are operational
- Review printed card for complete, dark print
- Reinsert voted card and review summary to confirm scanner is working properly
- Attach printed paper records from ExpressVote to checklist

Notes -



ExpressVote Tabulator Checklist

Serial Number: _____

Date: _____

Owner: _____

- Confirm Serial Number match in Main Menu and Label
- Clean CIS
- Clean Print Head
- Clean Input and DSD sensors with canned air
- Remove visible debris from Transport
- Clean Transport with canned air
- Verify pinch rollers correctly engage drive rollers
- Clean all Transport rollers
- Check all screws/fasteners are secure

Voter Mode

- Open Election
- Vote a card and front eject
- Vote a card and verify audio function, front eject
- Vote a card and verify ADA port function, front eject
- Vote a card and verify Keypad function, front eject
- Move election stick to opposite USB port to ensure functionality
- Ensure InnoDisk security panel in place
- Check operation of the front panel LEDs
- Ensure all panels/doors are secure and locked
- Verify Kiosk Printer function, if equipped
- Verify Kiosk Scanner function, if equipped
- Verify Kiosk Master Media Port function, if equipped

Power On Mode

- Perform touch screen calibration
- Power off terminal, reboot to verify proper boot battery power. Reattach external PSU after successful boot.

Official Mode

- Select Display Software Versions
- GUI _____
- Platform _____
- Scanner Printer Engine Rev _____ DLL _____
- Input Output Board Rev _____ DKB _____ DLL _____
- Jungo _____
- Check Battery Status _____

System Maintenance Mode

- Enter Scanner Calibration and perform the required calibration routine.
- Record specific values below:
 - LED PWM: _____ White: _____ Black: _____ Dead Pixels: _____
 - Rear Eject State: _____
 - Tethered Mode: _____
 - Keypad State: _____
 - Time Zone: _____ Date: _____ Time: _____

Notes/Failure Code: _____

Inspector: _____



11208 JOHN GALT BLVD
 OMAHA, NE 68137-2364
 (402) 593-0101

Sales Order Agreement

Customer Contact Title _____
 Customer Name _____

Customer P.O. # _____

1st Election Date: To be Agreed Upon by the Parties

Estimated Delivery Date: To be Agreed Upon by the Parties

Phone Number: _____

Fax Number: _____

Type of Sale NEW
 Type of Equip: NEW REFURBISHED

Bill To: _____

Ship To: _____

Item	Description	Qty	Price	Total
1	Software			
	ervices			
3	Shipping	1	Included	Included
				Order Subtotal \$ -
				Discount \$ -
				Order Total \$ -

Freight Billable: yes no

 Regional Sales Manager

 V.P. of Finance Date

 Customer Signature Date

 Title

Special Note:

100% of Order Total due Thirty (30) Calendar Days after the later of (a) Software Delivery, or (b) Receipt of Corresponding ES&S Invoice.

Payment Terms

Note 1: Any applicable state and local taxes are not included, and are the responsibility of the Customer

Note 2: In no event shall Customer's payment obligations hereunder, or the due dates for such payments, be contingent or conditional upon Customer's receipt of federal and/or state funds

Warranty Period (Years): One (1) Year From Software Delivery

Software License, Maintenance and Support Services (Post-Warranty Period)

The terms, conditions, and pricing for the Software License, Maintenance and Support Services (Post-Warranty Period) are set forth in Exhibit A attached hereto.

SEE GENERAL TERMS AND CONDITIONS

SOFTWARE LICENSE GENERAL TERMS

1. **License Terms.** Subject to the terms and conditions of this Agreement, ES&S agrees to license, and Customer agrees to license, the ES&S Software and ES&S Firmware described on the front side of this Agreement. The ES&S Software and ES&S firmware are collectively referred to hereinafter as the "ES&S Software." The payment terms for the ES&S Software are set forth on the front side of this agreement.

2. **Grant of Licenses.** Subject to the terms and conditions of this Agreement, ES&S hereby grants to Customer nonexclusive, nontransferable licenses for its bona fide full time, part time or temporary employees to use the ES&S Software and related Documentation in the Jurisdiction and timely pays the applicable annual ES&S Software License, Maintenance and Support Fees set forth on Schedule A1. The licenses allow such bona fide employees to use and copy the ES&S Software (in object code only) and the Documentation solely for the purposes of defining and conducting elections and tabulating and reporting election results in the Jurisdiction.

3. **Prohibited Uses.** Customer shall not take any of the following actions with respect to the ES&S Software or the Documentation:

a. Reverse engineer, decompile, disassemble, re-engineer or otherwise create, attempt to create, or permit, allow or assist others to create, the source code or the structural framework for part or all of the ES&S Software;

b. Cause or permit any use, display, loan, publication, transfer of possession, sublicensing or other dissemination of the ES&S Software or Documentation, in whole or in part, to or by any third party without ES&S' prior written consent; or

c. Cause or permit any change to be made to the ES&S Software without ES&S' prior written consent; or

d. Allow a third party to cause or permit any copying, reproduction or printing of any output generated by the ES&S Software (except finished ballots by ballot printers selected by Customer) in which ES&S owns or claims any proprietary intellectual property rights (e.g., copyright, trademark, patent pending or patent), including, but not limited to, any ballot shells or ballot code stock.

4. **Term of Licenses.** The licenses granted in Section 2 shall commence upon the delivery of the ES&S Software described in Section 2 and shall continue for a one (1) year period (the "Initial License Term"). Upon expiration of the Initial License Term, the licenses shall automatically renew for an unlimited number of successive one-year periods (each a "License Renewal Term") upon the payment by Customer of the annual software license and software maintenance and support fee as set forth on the front side of this Agreement. ES&S may terminate either license if Customer fails to pay the consideration due for, or breaches Sections 2, 3, or 9 with respect to, such license. Upon the termination of either of the licenses granted in Section 2 for ES&S Software or upon Customer's discontinuance of the use of any ES&S Software, Customer shall immediately return such ES&S Software and the related Documentation (including any and all copies thereof) to ES&S, or (if requested by ES&S) destroy such ES&S Software and Documentation and certify in writing to ES&S that such destruction has occurred.

5. **Updates.** During the Initial License Term or any License Renewal Term, ES&S may provide new releases, upgrades or maintenance patches to the ES&S Software, together with appropriate Documentation ("Updates"), on a schedule defined by ES&S. Customer is responsible for obtaining any upgrades or purchases of Third Party Items required to operate the Updates as well as the cost of any replacements, retrofits or modifications to any ES&S equipment which may be necessary in order to operate the Updates. All Updates shall be deemed to be ES&S Software for purposes of this Agreement upon delivery. Customer may install the Updates in accordance with ES&S' recommended instructions or may request that ES&S install the Updates. ES&S may charge Customer at its then-current rates to (i) install the Updates (ii) train Customer on Updates, if such training is requested by Customer or (iii) provide maintenance and support on the ES&S Software that is required as a result of Customer's failure to timely or properly install an Update. Customer shall be responsible for any claim, damage, loss, judgment, penalty, cost, amount paid in settlement or fee which is caused by Customer's failure to install and use the most recent Update provided to it by ES&S. If Customer proposes changes in the ES&S Software to ES&S, such proposals will become ES&S' property. ES&S may, in its sole discretion elect to make or not to make such changes without reference or compensation to Customer or any third party. ES&S represents to Customer that the Updates will comply with all applicable state law requirements at the time of delivery. Customer shall be responsible to ensure that it has installed and is using only certified versions of ES&S Software in accordance with applicable law. In the event that any Updates are required due to changes in state law, ES&S reserves the right to charge Customer for the following:

- (i) the total cost of any third party items that are required in order to operate the Updates.
- (ii) the total cost of any replacements, retrofits or modifications to any ES&S equipment that may be developed and offered by ES&S in order for such ES&S equipment to remain compliant with applicable laws and regulations; and
- (iii) Customer's pro-rata share of the costs of designing, developing and/or certification by applicable federal and state authorities of such state mandated Updates.

Customer's pro-rata share of the costs included under subsection (iii) above shall be determined at the time by dividing the number of registered voters in Customer's jurisdiction by the total number of registered voters in all counties in Customer's state to which ES&S has sold and/or licensed the equipment and/or ES&S Software purchased and licensed by Customer under this Agreement. Customer shall pay ES&S the entire costs incurred for design, development and certification of any Update which is required due to a change in local law or is otherwise requested or required by Customer.

6. **Delivery; Risk of Loss.** The Estimated Delivery Dates and First Election Use (if any) set forth on the front side of this Agreement are estimates and may only be established or revised, as applicable by the parties, in a written amendment to this Agreement, because of delays in executing this Agreement, changes requested by Customer, product availability and other events. ES&S will notify Customer of such revisions as soon as ES&S becomes aware of such revisions. Risk of loss for the ES&S Software shall pass to Customer when such items are delivered to Customer's designated location. Upon transfer of risk of loss to Customer, Customer shall be responsible for obtaining and maintaining sufficient casualty insurance on the ES&S Software and shall name ES&S as an additional insured thereunder and, at ES&S' request, shall deliver written evidence thereof to ES&S until all amounts payable to ES&S under this Agreement have been paid by Customer.

7. **Warranty.**

a. **ES&S Software.** ES&S warrants that for a one (1) year period (the "Warranty Period"), it will repair or replace any component of the ES&S Software which, while under normal use and service: (i) fails to perform in accordance with its Documentation in all material respects, or (ii) is defective in material or workmanship. The Warranty Period will commence upon delivery. Any

repaired or replaced item of ES&S Software shall be warranted only for the unexpired term of the Warranty Period. All replaced components of the ES&S Software will become the property of ES&S. This warranty is effective provided that (i) Customer notifies ES&S within three (3) business days of the discovery of the failure of performance or defect and is otherwise in compliance with its obligations hereunder, (ii) the ES&S Software to be repaired or replaced has not been repaired, changed, modified or altered except as authorized or approved by ES&S, (iii) the ES&S Software to be repaired or replaced is not damaged as a result of accident, theft, vandalism, neglect, abuse, use which is not in accordance with instructions or specifications furnished by ES&S or causes beyond the reasonable control of ES&S or Customer, including acts of God, fire, floods, riots, acts of war, terrorism or insurrection, labor disputes, transportation delays, governmental regulations and utility or communication interruptions, and (iv) Customer has installed and is using the most recent update provided to it by ES&S. The terms of post-warranty license, maintenance and support are set forth on Exhibit A.

b. **Exclusive Remedies/Disclaimer.** IN THE EVENT OF A BREACH OF SUBSECTION 7(a), ES&S' OBLIGATIONS, AS DESCRIBED IN SUCH SUBSECTION, ARE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES. ES&S EXPRESSLY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, WHICH ARE NOT SPECIFICALLY SET FORTH IN THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FURTHER, IN THE EVENT CUSTOMER DECLINES ES&S' INSTALLATION AND ACCEPTANCE TESTING SERVICES OR IN ANY WAY AT ANY TIME ALTERS, MODIFIES OR CHANGES ANY EQUIPMENT, SOFTWARE, THIRD PARTY ITEMS AND/OR NETWORK (COLLECTIVELY "SYSTEM") CONFIGURATIONS WHICH HAVE BEEN PREVIOUSLY INSTALLED BY ES&S OR WHICH ARE OTHERWISE REQUIRED IN ACCORDANCE WITH THE CERTIFIED VOTING SYSTEM CONFIGURATION, ALL WARRANTIES OTHERWISE PROVIDED HEREUNDER WITH RESPECT TO THE SYSTEM PURCHASED, LEASED, RENTED AND/OR LICENSED UNDER THIS AGREEMENT SHALL BE VOID AND OF NO FURTHER FORCE AND EFFECT.

8. **Limitation Of Liability.** Neither party shall be liable for any indirect, incidental, punitive, exemplary, special or consequential damages of any kind whatsoever arising out of or relating to this Agreement. Neither party shall be liable for the other party's negligent or willful misconduct. ES&S' total liability to Customer arising out of or relating to this Agreement shall not exceed the aggregate amount to be paid to ES&S hereunder. By entering into this Agreement, Customer agrees to accept responsibility for (a) the selection of, use of and results obtained from any equipment, software or services not provided by ES&S and used with the ES&S Software; or (b) user errors, voter errors or problems encountered by any individual in voting that are not otherwise a result of the failure of ES&S to perform. ES&S shall not be liable under this Agreement for any claim, damage, loss, judgment, penalty, cost, amount paid in settlement or fee that is caused by (y) Customer's failure to timely or properly install and use the most recent update provided to it by ES&S or (z) Customer's election not to receive, or to terminate, the ES&S Software Maintenance and Support.

9. **Proprietary Rights.** Customer acknowledges and agrees as follows:

ES&S owns the ES&S Software, all Documentation and training materials provided by ES&S, as well as the format, layout, measurements, design and all other technical information associated with the ballots to be used with any ES&S equipment. Customer has the right to use the aforementioned items to the extent specified in this Agreement. ES&S also owns all patents, trademarks, copyrights, trade names and other proprietary or intellectual property in, or used in connection with, the aforementioned items. The aforementioned items also contain confidential and proprietary trade secrets of ES&S that are protected by law and are of substantial value to ES&S. Customer shall keep the ES&S Software and related Documentation free and clear of all claims, liens and encumbrances and shall maintain all copyright, trademark, patent or other intellectual or proprietary rights notices that are set forth on the ES&S Software, the Documentation, training materials and ballots that are provided, and all permitted copies of the foregoing.

10. **Termination.** This Agreement may be terminated, in writing, at any time by either party if the other party breaches any material provision hereof and does not cure such breach within 30 days after it receives written notification thereof from the non-breaching party.

11. **Disputes.**

a. **Payment of Undisputed Amounts.** In the event of a dispute between the parties regarding (1) a product or service for which payment has not yet been made to ES&S, (2) the amount due ES&S for any product or service, or (3) the due date of any payment, Customer shall nevertheless pay to ES&S when due all undisputed amounts. Such payment shall not constitute a waiver by Customer or ES&S of any of its rights and remedies against the other party.

b. **Remedies for Past Due Undisputed Payments.** If any undisputed payment to ES&S is past due more than 30 days, ES&S may suspend performance under this Agreement until such amount is paid. If Customer's payment is past due for more than 60 days and is undisputed, ES&S may declare the total amount remaining due under this Agreement to be immediately due and payable. Any disputed or undisputed payment not paid by Customer to ES&S when due shall bear interest from the due date at a rate equal to the lesser of one and one-half percent per month or the maximum amount permitted by applicable law for each month or portion thereof during which it remains unpaid.

12. **Assignment.** Except in the case of a reorganization of the assets or operations of ES&S with one or more affiliates of ES&S or the sale, transfer or assignment of all or substantially all of the assets of ES&S to a successor who has asserted its intent to continue the business of ES&S, neither party may assign or transfer this Agreement or assign, subcontract or delegate any of its rights, duties or obligations hereunder without the prior written consent of the other party hereto, such consent not to be unreasonably withheld or conditioned, nor unduly delayed.

13. **Compliance with Laws.** ES&S warrants to Customer that, at the time of delivery, the ES&S Software sold and licensed under this Agreement will comply with all applicable requirements of federal and state election laws and regulations that are mandatory and effective as of the Effective Date and will have been certified by the appropriate state authorities for use in Customer's state. The ES&S equipment and ES&S Software, including all components will be provided to Customer with a hardened network for the election management software ("EMS"), in accordance with the guidelines of the United States Election Assistance Commission. During the Term of this Agreement, in the event Customer fails to maintain EMS in the hardened network or allows any internal or external access to the hardened network, Customer agrees to indemnify and hold harmless ES&S from and against any and all claims, damages, losses, liens, obligations, liabilities, judgments, assessed damages, costs, expenses (including reasonable attorney's fees) and the like arising out of or related to the Customer's breach of its obligations hereunder.

14. **Voting System Reviews.** In the event that the Jurisdiction or the State require any future reviews or examinations ("Reviews") of current or previous versions of state-certified ES&S voting

systems or components thereof that are not otherwise required as a result of any changes or modifications voluntarily made by ES&S to the ES&S Software licensed and sold hereunder, Customer shall be responsible for:

(i) Customer's pro-rata share of such Review costs;

(ii) Customer's pro-rata share of the costs of designing, developing, manufacturing and/or certification by applicable federal and state authorities of any mandated modifications to the ES&S equipment and/or ES&S Software that may result from such Reviews, and

(iii) the total cost of any third party items that are required in order for the ES&S equipment and/or ES&S Software to satisfy any new requirements resulting from such Reviews in order to remain certified;

Customer's pro-rata share of the costs included under subsections 14(ii) and 14(iii) above shall be determined at the time by dividing the number of registered voters in Customer's jurisdiction by the total number of registered voters in all counties in Customer's state to which ES&S has sold and/or licensed the ES&S equipment and/or ES&S Software purchased and licensed by Customer under this Agreement.

15 **Entire Agreement.** This Agreement, including all exhibits hereto, shall be binding upon and inure to the benefit of the parties and their respective representatives, successors and assigns. This Agreement, including all Exhibits hereto, contains the entire agreement of the parties with respect to the subject matter hereof and shall supersede and replace any and all other prior or contemporaneous discussions, negotiations, agreements or understandings between the parties, whether written or oral, regarding the subject matter hereof. Any provision of any purchase order, form or other agreement which conflicts with or is in addition to the provisions of this Agreement shall be of no force or effect. In the event of any conflict between a provision contained in an Exhibit to this Agreement and these General Terms, the provision contained in the Exhibit shall control. No waiver, amendment or modification of any provision of this Agreement shall be effective unless in writing and signed by the party against whom such waiver, amendment or modification is sought to be enforced. No consent by either party to, or waiver of, a breach by either party shall constitute a consent to or waiver of any other different or subsequent breach by either party. This Agreement shall be governed by and construed in accordance with the laws of the State in which the Customer resides, without regard to its conflicts of laws principles. The parties agree that venue for any dispute or cause of action arising out of or related to this Agreement shall be in the state and federal courts of the United States located in the State in which the Customer resides. ES&S is providing software and services to Customer as an independent contractor, and shall not be deemed to be a "state actor" for purposes of 42 U.S.C. § 1983. ES&S may engage subcontractors to provide certain of the software or services, but shall remain fully responsible for such performance. The provisions of Sections 1-5, 7(b), 8, 9, 11(b), 12-15 these General Terms shall survive the termination of this Agreement, to the extent applicable.

EXHIBIT A
SOFTWARE LICENSE, MAINTENANCE AND SUPPORT SERVICES
(POST-WARRANTY PERIOD)

ARTICLE I
GENERAL

1. **Term; Termination.** This Exhibit A for Software License, Maintenance and Support Services shall be in effect for the coverage period as described in Schedule A1 (the "Initial Term"). Upon expiration of the Initial Term, this Exhibit A shall automatically renew for an unlimited number of successive **One-Year Periods** (each a "Renewal Period") until this Exhibit A is terminated by the first to occur of (a) either party's written election not to renew, which shall be delivered to the other party at least thirty (30) days prior to the end of the Initial Term or any Renewal Period, as applicable, (b) the date which is thirty (30) days after either party notifies the other that it has materially breached this Exhibit A, if the breaching party fails to cure such breach (except for a breach pursuant to subsection (d), which will require no notice), (c) the date on which the ES&S Software is no longer certified by federal and/or state authorities for use in Customer's jurisdiction or (d) the date which is thirty (30) days after Customer fails to pay any amount due to ES&S under this Exhibit A.

2. **Fees.** In consideration for ES&S' agreement to provide Software License, Maintenance and Support Services under this Exhibit A, Customer shall pay to ES&S the Software License, Maintenance and Support Fees set forth on Schedule A1 for the Initial Term. The Software License, Maintenance and Support Fees for the Initial Term are due as set forth on Schedule A1. ES&S may increase the Software License, Maintenance and Support Fees for a Renewal Period by not more than 5% of the amount of the most recent Fees paid by Customer. All fees for any Renewal Period shall be due and payable no later than thirty (30) days prior to the beginning of such Renewal Period. The Software License, Maintenance and Support Fee shall be comprised of a fee for the Software License, Maintenance and Support provided for the ES&S Software, and shall be in addition to any fees or charges separately referred to in any Section of this Exhibit A. If Customer elects to receive Software License, Maintenance and Support for an Add-On or New Product during the Initial Term or any Renewal Period thereof, ES&S will charge an incremental Software License, Maintenance and Support Fee for such services.

ARTICLE II
SOFTWARE LICENSE, MAINTENANCE AND SUPPORT SERVICES

1. **License and Services Provided.** ES&S shall provide license, maintenance and support services ("Software License, Maintenance and Support") for the ES&S Software to allow Customer to continue to license and use the software in accordance with the license terms set forth in Sections 2-4 of the General Terms as well as to enable it to perform in accordance with its Documentation in all material respects, and to cure any defect in material or workmanship. The specific Software License, Maintenance and Support services provided by ES&S and each party's obligations with respect to such services are set forth on Schedule A1.

2. **Updates.** During the Initial Term and any Renewal Period thereof, ES&S may continue to Updates in accordance with the terms of Section 5 of the General Terms.

3. **Conditions.** ES&S shall not provide Software License, Maintenance and Support for any item of ES&S Software if such item requires such services as a result of (a) repairs, changes, modifications or alterations not authorized or approved by ES&S, (b) accident, theft, vandalism, neglect, abuse or use that is not in accordance with instructions or specifications furnished by ES&S, (c) causes beyond the reasonable control of ES&S or Customer, including acts of God, fire, flooding, riots, acts of war, terrorism or insurrection, labor disputes, transportation delays, governmental regulations and utility or communication interruptions, (d) Customer's failure to timely and properly install and use the most recent update provided to it by ES&S, or (e) Customer's failure to notify ES&S within three (3) business days

after Customer knows of the need for such services. Any such Software License, Maintenance and Support shall be provided at the fees to be agreed upon by the parties if and when the need for such Software License, Maintenance and Support arises. Replacement versions of Software requested by Customer as a result of items set forth in this Section 3 or as a result of Customer's actions or inactions shall be billable to Customer at ES&S' then current rates.

4. **Proprietary Rights.** ES&S shall own the entire right, title and interest in and to all corrections, programs, information and work product conceived, created or developed, alone or with Customer or others, as a result of or related to the performance of this Exhibit A, including all proprietary rights therein or based thereon. Subject to the payment of all Software License, Maintenance and Support Fees, ES&S hereby grants to Customer a non-exclusive license to use that portion of such corrections, programs, information and work product that ES&S actually delivers to Customer pursuant to this Exhibit A. All licensed items shall be deemed to be ES&S Software for purposes of this Exhibit A. Except and to the extent expressly provided herein, ES&S does not grant to Customer any right, license, or other proprietary right, express or implied, in or to any corrections, programs, information, or work product covered by this Exhibit A.

5. **Reinstatement of Software License, Maintenance and Support.** If the Initial Term or any Renewal Period thereof expires without being renewed, Customer may thereafter receive a Software License and resume receiving Software Maintenance and Support upon (a) notification to ES&S, (b) payment of all fees, which would have been due to ES&S had the Initial Term or any Renewal Period not expired, and (c) the granting to ES&S of access to the ES&S Software, so that ES&S may analyze it and perform such maintenance as may be necessary before resuming the Software License, Maintenance and Support services.

Schedule A1
Pricing Summary

<u>Summary:</u>		
Description	Refer To	Amount
ES&S Software License, Maintenance and Support Fees – ES&S Software	ES&S Software License, Maintenance and Support Description and Fees Below	
ES&S Software License, Maintenance and Support Fees – ES&S Firmware	ES&S Software License, Maintenance and Support Description and Fees Below	
Total Maintenance Fees for the Initial Term:		
<u>Payment Terms:</u> ES&S shall Invoice Customer annually for each year of the Initial Term. Payment is due before the start of each period within the Initial Term.		
<u>Terms & Conditions:</u>		
Note 1: Any applicable state and local taxes are not included, and are the responsibility of Customer.		
Note 2: In the event the Customer subsequently acquires any ES&S Equipment and or ES&S Software, the post warranty maintenance and support periods will be adjusted to synchronize the dates in order to conform with the current term.		

**ES&S SOFTWARE LICENSE, MAINTENANCE AND SUPPORT DESCRIPTION AND FEES
FIRMWARE**

Initial Term: Expiration of the Warranty Period through the ***** anniversary thereof

Listed below are the Hardware Products and Fees for which Firmware License, Maintenance and Support will be provided:

Qty	Description	Coverage Period	Annual Firmware License, Maintenance and Support Fee Per Unit	Firmware License, Maintenance and Support Fee In Total
Total License, Maintenance and Support Fees for the Coverage Period ***** through ***** or Year 1				
Total Firmware License, Maintenance and Support Fees for the Initial Term				

**ES&S SOFTWARE LICENSE, MAINTENANCE AND SUPPORT DESCRIPTION AND FEES
SOFTWARE**

Initial Term: Expiration of the Warranty Period through the ***** anniversary thereof

Listed below is the Software and Fees for which Software License, Maintenance and Support will be provided:

Qty	Description	Coverage Period	Software License, Maintenance and Support Fee In Total
Total License, Maintenance and Support Fees for the Coverage Period ***** through ***** or Year 1			
Total Software License, Maintenance and Support Fees for the Initial Term			

Software License, Maintenance and Support Services Provided by ES&S under the Agreement

1. Telephone Support.
2. Issue Resolution.
3. Technical Bulletins will be available through Customer's ES&S Web-based portal.

Note: Except for those Software License, Maintenance and Support services specifically set forth herein, ES&S is under no obligation and shall not provide other Software License, Maintenance and Support services to the Customer unless previously agreed upon by the parties.

Software License, Maintenance and Support and Hardware Maintenance and Support Services – Customer Responsibilities

1. Customer shall have completed a full software training session for each product selected.
 - Customer shall have completed training at a proficiency level to successfully use the software products.
2. Customer shall have reviewed a complete set of User Manuals.
3. Customer shall be responsible for the installation and integration of any third party hardware or software application or system purchased by the Customer, unless otherwise agreed upon, in writing, by the parties.
4. Customer shall be responsible for data extraction from Customer voter registration system.
5. Customer shall be responsible for implementation of any security protocols physical, network or otherwise which are necessary for the proper operation of the ES&S Software.
6. Customer shall be responsible for the acceptance of the Software, unless otherwise agreed upon, in writing, by the parties.
7. Customer shall be responsible for the design, layout, set up, administration, maintenance or connectivity of the Customer's network.
8. Customer shall be responsible for the resolution of any errors associated with the Customer's network or other hardware and software not purchased or recommended by ES&S and not otherwise identified in the User Guides as part of ES&S' Software.
9. Customer shall be responsible for all costs associated with diagnosing ballot printing problems resulting from the use of non-ES&S Ballot Partner Printers ballots.
10. Customer shall be responsible for the payment of additional or replacement Software CDs or DVDs requested by Customer. The price for such additional or replacement Software CDs or DVDs shall be at ES&S' then current rates.

PRECINCT-BASED HARDWARE WARRANTY INFORMATION

Customers are urged to timely report to ES&S equipment in need of repair, and we recommend that customers test their equipment at least 60 days in advance of the date of a primary and/or general election. This will increase the likelihood of a repair being completed in time for use in the applicable election.

Customers are required to pay for shipping and insurance of the repairable unit(s) both to and from the ES&S repair facility. The customer is responsible for packing the unit(s) for shipping using the original packaging to avoid damage to the unit(s) while in transit. The cost of any damage which occurs during shipping to the ES&S depot repair facility as a result of improper packaging is the responsibility of the customer.

A detailed description of the failure or defect must be included with the unit(s) being returned.

ES&S' warranty does not cover the following:

- ✔ Defects due to the actions or omissions of the customer, including
 - repairs, changes, modifications or alterations not authorized or approved by ES&S;
 - accident, theft, vandalism, neglect, abuse or use that is not in accordance with instructions or specifications furnished by ES&S; or
 - causes beyond the reasonable control of ES&S or customer, including acts of God, fire, flooding, riots, acts of war, terrorism or insurrection, labor disputes, transportation delays, governmental regulations, and utility or communication interruptions, rodent infestation, or if customer does not notify ES&S within 72 hours after it knows of the defect or malfunction.
- ✔ Failure due to misuse (forcing any part of the unit beyond its specified limit, damage due to uncertified accessories, etc.)
- ✔ Lack of proper maintenance by a certified service technician other than a certified technician provided by ES&S.
- ✔ Any condition where the unit is dropped or falls, damaging the unit
- ✔ Consumable items, such as batteries printer cartridges, paper rolls, media storage devices, etc.



TRAINING NARRATIVE & COURSE DESCRIPTIONS

THE ES&S APPROACH TO ON-SITE TRAINING

Election Systems & Software understands that a successful transition to new election technology depends on more than executing a logistics plan. A key element to success is ensuring that you are empowered with the knowledge to administer the new system and carry out a trouble-free election. To make this transition successful, we emphasize training as a critical component of our overall implementation plan. Our training goal is to ensure a strong level of comfort and competency for your election staff and workers. ES&S is committed to maintaining our flexible approach in tailoring the right mix of products, training, support and service to your jurisdiction.

TRAINING THE ES&S WAY

The ES&S curriculum is based on our decades of experience in implementing new voting systems. Our customized approach to training your election team anticipates the wide-range of skills needed to carry out a successful election. Our courses are tailored to specific audiences and incorporate a high degree of hands-on instruction and simulations, increasing the relevancy of every minute your election workers spend in the classroom. Relevant course descriptions include:

Course description	Course pre-requisite(s) and audience
DS200 Operations Course	
Course Length – ½ Day	
<p>This course introduces election personnel to the DS200 precinct scanner and tabulator. Successful participants gain the knowledge, skills, and abilities to operate the ES&S DS200 precinct ballot tabulation system.</p> <p>Covered topics include:</p> <ul style="list-style-type: none"> • In-depth overview of the DS200 tabulator, including hardware components, ballot boxes, setup, battery, and charging. • Pre-election preparation requirements. • Election Day operations, including opening and closing the polls for Early Voting and Election Day, scanning voted ballots, and transmission of election results. • Troubleshooting procedures. 	<p>Pre-Requisite(s):</p> <ul style="list-style-type: none"> • None <p>Audience:</p> <ul style="list-style-type: none"> • Election staff <p>Number of Participants:</p> <ul style="list-style-type: none"> • 1 - 20

ExpressVote Marker Operations Course	
Course Length – ½ Day	
<p>This course introduces election personnel to the ES&S ExpressVote Universal Voting System that is used to mark ballots. Successful participants gain the knowledge, skills and abilities to operate the ExpressVote system.</p> <p>Covered topics include:</p> <ul style="list-style-type: none"> • In-depth overview of the ExpressVote, including hardware components, setup, battery, and charging. • Pre-election preparation requirements. • Election Day operations including marking the vote summary card and how the device meets usability and disability standards. • Troubleshooting procedures. 	<p>Pre-Requisite(s):</p> <ul style="list-style-type: none"> • None <p>Audience:</p> <ul style="list-style-type: none"> • Election staff <p>Number of Participants:</p> <ul style="list-style-type: none"> • 1 - 20
DS450 Operations Course	
Course Length –1 Day	
<p>This course gives election personnel a nuts and bolts introduction to the ES&S DS450 mid-range central scanner.</p> <p>Covered topics include:</p> <ul style="list-style-type: none"> • Overview of the machine • Cleaning the machine • Scanner setup and pre-Election Day preparation • Printing reports • Election Day preparation • Scanning ballots 	<p>Pre-Requisite(s):</p> <ul style="list-style-type: none"> • None <p>Audience:</p> <ul style="list-style-type: none"> • Election staff <p>Number of Participants:</p> <ul style="list-style-type: none"> • 1 - 10

DS850 Operations Course	
Course Length – 1 Day	
<p>The ES&S DS850 course gives election personnel a nuts and bolts introduction to the high-speed central scanner and tabulator. Covered topics include:</p> <ul style="list-style-type: none"> • Overview of the machine • Cleaning the machine • Scanner setup and pre-Election Day testing • Printing reports • Election Day preparation • Scanning ballots 	<p>Pre-Requisite(s):</p> <ul style="list-style-type: none"> • None <p>Audience:</p> <ul style="list-style-type: none"> • Election staff <p>Number of Participants:</p> <ul style="list-style-type: none"> • 1 - 10
ExpressVote Tabulator Operations Course	
Course Length – ½ Day	
<p>This course introduces election personnel to the ExpressVote Universal Voting System that can be used to both mark and tabulate votes. Successful participants gain the knowledge, skills, and abilities to operate the ES&S ExpressVote system.</p> <p>Covered topics include:</p> <ul style="list-style-type: none"> • In-depth overview of the ExpressVote, including hardware components, setup, battery, and charging. • Pre-election preparation requirements. • Election Day operations including opening and closing the polls for Early Voting and Election Day, marking the vote summary card and how the device meets usability and disability standards. • Troubleshooting procedures. 	<p>Pre-Requisite(s):</p> <ul style="list-style-type: none"> • None <p>Audience:</p> <ul style="list-style-type: none"> • Election staff <p>Number of Participants:</p> <ul style="list-style-type: none"> • 1 – 20
Balotar Operations Course	
Course Length – ½ Day	
<p>This course introduces Election Personnel to the Balotar Ballot-on-Demand system. Successful participants gain the knowledge, skills and abilities to operate the ES&S Balotar system.</p>	<p>Pre-Requisite(s):</p> <ul style="list-style-type: none"> • None <p>Audience:</p>

<p>Covered topics include:</p> <ul style="list-style-type: none"> • In-depth overview of the Balotar BOD-system, including loading ballot-stock, changing consumables, and clearing jams. • Pre-election preparation requirements including obtaining needed printing consumables and working with ES&S personnel to ensure that the system is set up correctly. • Pre-Election Day operations including operation of the Balotar-software and directions for printing single-ballots, batches of ballots, and duplicate ballots, as needed. • Troubleshooting procedures 	<ul style="list-style-type: none"> • Election staff <p>Number of Participants:</p> <ul style="list-style-type: none"> • 1 - 10
<p>Electionware 6000 Course</p>	
<p>Course Length – 5 Days</p>	
<p>The Electionware course will provide election personnel with general knowledge of the ES&S Electionware election management system. The participants will be able to capture and design ballot layout, program election hardware, and produce summary and customized election reports for your election.</p> <p>In the Electionware modules, the facilitator will provide the participants with the knowledge, skills, and abilities to:</p> <ul style="list-style-type: none"> • Define - Build, store, and update all election-related information (i.e., precincts, districts, offices, candidates, referenda) in one database. • Design - Create an election ballot layout for Paper, Touch Screen, and Accessible Ballot. • Deliver – Configure election tabulation equipment, as well as package media for Election Day. • Results – <ul style="list-style-type: none"> • Accumulate election results, generate and display standard and customized reports, in both paper and electronic formats. • Review and adjudicate ballot images, as well as, manage write in reviews. • Manage Provisional ballots. • Manage - Manage user account and security access for Electionware software. 	

Pre-Requisite(s):

- None

Audience:

- Coding staff

Number of Participants:

- 1 - 10

ES&S TRAINERS: EXPERIENCE THAT MATTERS

ES&S has carefully selected our training staff to provide the very best training experience for you and your election workers. We require all our personnel to be certified ES&S trainers, beginning with at least two years of experience as an instructor and continuing with customized product certification. Additionally, each of our training staff members has personally supported elections using ES&S voting equipment. Our trainers have first-hand knowledge of the challenges your election workers could face with their new equipment. We can anticipate your staff's concerns and appreciate the challenges of using a new voting system.

ES&S' TRAINING PLAN

Introducing new technology presents unique challenges. Training is ES&S' primary concern in implementing a new voting system. ES&S measures the success of new equipment installations by the quantifiable way in which our clients can manage their unique election processes while using ES&S' systems. Our comprehensive, classroom-based training program promotes a strong level of competency for all intended users through training modules developed to provide your election team with the skills to perform necessary operations.

ES&S CONTINUING EDUCATION & SUPPORT

The ES&S method aims at fully preparing election staff to ensure your autonomy in election operations while using our equipment. We understand your long-term needs may require a combination of continuing education courses and/or on-site support. These continuing education and site support needs from our experienced training team can be coordinated, and tailored to meet your unique Election Commission requirements.

Enhancing Elections in WILSON COUNTY

Upgrading voting technology can be a daunting task. The varied needs of election officials make it necessary for systems to multitask, now and in the future. For Wilson County, Tennessee, the ExpressVote and DS200 provided a viable, secure and flexible solution for this year's election cycle and beyond.

With a reputation for some of the best-run elections in Tennessee, the Wilson County Election Commission took the job of finding new voting technology quite seriously. An Election Systems & Software (ES&S) customer since 2006, their iVotronics were aging and a viable replacement would soon be needed. Realizing customer needs had changed, ES&S worked diligently to get the ExpressVote® Universal Voting System certified in the State of Tennessee, providing Wilson County with an enhanced voting solution. After extensive testing along with the DS200® precinct scanner, Wilson decided to extend their partnership with ES&S and purchase visionary voting solutions. During their August 4 Primary, which marked their first use of the ExpressVote and DS200, both poll workers and voters experienced a simplified Election Day while enjoying the extra security of verifiable paper records and streamlined polling place procedures.

CHALLENGES

- **Quick implementation.** Wilson County faced a quick turnaround period for implementation. Within eight weeks, poll workers were trained and equipment was delivered, tested and deployed for the August Primary.
- **No major adjustments for voters.** Wilson County wanted to ensure voters were able to exercise their right to vote without added complication or confusion during the Primary.
- **New Election Day/Night procedures.** New processes for opening and closing the polls were necessary and poll workers needed to be trained to enable the new voting solutions to work seamlessly on Election Day.

SOLUTIONS

- **Familiar interface + added security.** Wilson County voters were already familiar with touch screen voting. Their printed vote records allowed them a last minute review before casting their vote.
- **Streamlined poll place opening/closing.** The easy set-up requirements for both the ExpressVote and DS200 empowered many poll workers. Poll places were opened and ready for voters in less time without requiring troubleshooting calls to Election Central. Poll workers also enjoyed simple closing procedures and a single memory stick to keep track of.
- **Ease on Election Night.** Unofficial results were reported faster as less memory sticks were needed for uploads (one per precinct). Absentee and provisional ballot processing was also streamlined.
- **Platform for the future.** Phillip Warren, Administrator of Elections, remarked "We try to improve on the processes already in place. We try to be proactive and think ahead — everything we offer is meant to meet a lot of needs or alleviate voter concerns because we want to preserve the integrity of the vote."
- **Setting the standard.** With their successful implementation during the August Primary, Wilson County hopes other jurisdictions take the step forward to enhance their elections with new technology.



Selecting a new system

During evaluation, Wilson County conducted 17 large school elections comparing the performance of the ExpressVote and DS200 configuration with the iVotronics. At one of the school elections in particular, 1700 votes were cast in less than 2 hours! Due diligence was important as the Elections Commission wanted to ensure they were wisely spending taxpayer funds on the best system available for Wilson County voter needs.

Ultimately, Wilson selected the ExpressVote and DS200. Finding the overall system attractive, Phillip and Tammy noted benefits such as:

- User friendliness
- Paper records adding clear voter intent
- Ease of mind having a paper back-up
- Attractive system from an administrative standpoint
- Flexibility for future needs

The County wanted to ensure voters and poll workers would quickly be able to utilize the new system during their August Primary. The familiar interface made this possible as voters were used to the look and feel of going up to a touch screen and inserting a card (think a trip to the ATM). Wilson simply swapped a debit card with an Activation Card.

Wilson County also appreciated the human component of ES&S. During the development of the ExpressVote, ES&S conducted focus groups that Wilson participated in where actual suggestions and needs that counties brought up were incorporated.

“What I liked about ES&S is that they listened. They took a lot of our ideas that we had in the small group and they implemented them and came back with a new product” Tammy Smith, Assistant Administrator, commented. “During a visit after that, we told them we were looking for products and couldn’t find them. The next time we saw them, they brought us a catalog!”

“Everything we offer is meant to meet a lot of needs or alleviate voter concerns because we want to preserve the integrity of the vote.”

- Phillip Warren, Administrator of Elections

Changes for poll workers

Technology has been integrated with all systems, causing a shift in the demographics for poll workers. Outside of their partnerships with local high schools who provide student poll workers, many of the older poll workers are technologically savvy ones. Wilson County requires potential poll workers to go online and fill out their application, the first step towards showing tech literacy. With new skill sets required, it has opened the field to a wider and more capable pool of poll workers and decreased many of the minor tech support issues counties can face when workers aren’t familiar with updated systems. The county believes more people will now want to serve as poll workers thanks to the lighter equipment and easy opening and closing procedures.



In light of this, Wilson County makes sure that updated technology isn’t a barrier for those looking to serve yet not matching the required skill set level. “We try to configure our poll place system in a way that if they aren’t good with computers we can find a place for them if possible on Election Day” Tammy added.

For poll workers, the change was a welcome one that did not require major adjustment. As the system is intuitive, most found it easy to learn and had no worries on Election Day. Of the poll workers interviewed during the Primary, many echoed the county’s comparison of the system to a grocery store self check-out. “Tammy & Phillip do a good job. Every year our elections get tighter, from training to Election Day. It’s so organized people can almost go through the process on autopilot.”

One, who indicated she had a computer background, complimented the start to finish technology integrations. “Going from a more manual process of selecting ballot styles for people, this is much preferred. There’s no real error, you just print their barcode and they follow the instructions on screen from there.”

EXPRESSVOTE GETS PUT TO THE TEST

Blindbargains.com Tested Three Modern Voting Machines for Accessibility

Recently the Michigan Bureau of Elections held a Mock Election, allowing testers and poll workers to use voting systems from three different vendors, including our ExpressVote, designed for both voters with disabilities and voters without. One of the testers, J.J. Meddaugh with Blindbargains.com tested all the offerings, concluding that the ExpressVote was the best choice of the group being the only one he would recommend in its current form. For more details about each voting system Mr. Meddaugh experienced read a summary of his article below.

Dominion ImageCast Democracy Suite

The voting system from Dominion included an accessible keypad, touchscreen and a printer for paper ballots. Initial set-up of the machine required the use of a digital programming card which included information to load and verify the ballot. While I was able to insert the card, several set-up steps needed to be performed by a poll worker. Among these were choice of language, and the screen privacy guard option, which allows a voter to turn off the visual screen output. It's worth noting that this is the only machine which does not allow the voter to change this setting after initial set-up.

Once speech was finally available, I was presented with initial instructions read by Google's Android text-to-speech voice and an options menu which allowed me to change volume, speech rate and visual display options. Unfortunately, the maximum volume was not loud enough for a noisy room, and the fastest speech rate was less than what is available on Android and too slow for an advanced speech user.

The keypad features buttons in various shapes which can be readily identified. Left and right arrows are on the left side while up and down arrows are on the right. There is a large X in the center which is used for selection. Dedicated buttons to adjust the volume and speech rate are found near the top. All buttons have braille labels near them, though the layout of the keys often made the placement of the braille labels confusing. The design choice to place the two sets of arrows far away from each other is perplexing at best.

The machine was plagued by user interface issues, often requiring the voter to press several key presses to accomplish a simple task. For example, when reviewing a ballot, if the user wanted to change a vote from NO to Yes, no less than 9 key presses were required to accomplish this task. In addition, the function of the right and down arrows are duplicated, as well as the up and left arrows. I was told this was done because of the needs of low vision users, but it made the navigation of the ballot needlessly time-consuming and complicated. Often, help and tutorial messages were spoken before important content, such as when speaking the name of an entered write-in candidate.

Another issue arose when speaking the names of the candidates and ballot proposal language. This information was spoken using the Cepstral text-to-speech engine, with the recordings in a much lower quality and volume than the rest of the speech feedback. Using the same text-to-speech voice throughout the system would be ideal. Care also needs to be taken when speaking the titles of ballot proposals and other items. The word millage, a common election term, was mispronounced.

Help information was given throughout the process, and presented in the manner of screen reader hints. Speech could be easily interrupted if the user chose to not listen to the help information.

While I was able to complete and print my ballot, I'm hard-pressed to recommend this system in its current form. That being said, many of the issues identified are software-based and could be fixed using a firmware update.

Hart InterCivic Verity Touch Writer

Hart InterCivic calls their Verity system “The Future of Elections”. To be completely blunt, if this is the case, I’m worried for the state of accessible voting equipment.

Set-up involved the poll worker entering in a code to load the appropriate ballot using the touch-screen. This process did not include speech feedback and was not accessible. Once the ballot was loaded, pre recorded instructions in a male voice were spoken through the headset.

The accessible keypad includes two buttons (Select and Help), and a dial called the Move Wheel which can be turned using the thumb. The dial emulates arrow keys and allows the user to go through menus while the Select button locks in the current choice. The use of only three controls was an intentional design choice, but it quickly became limiting when attempting to efficiently navigate the screen.

The initial screen included a menu to adjust audio settings including volume and speech rate. To adjust the volume, one must select the raise or lower options and then press select for the new volume level to take effect. This is the only machine of the

three tested which did not include dedicated volume and speed controls, which presents a hassle if one wants to make adjustments during the voting process. Only three speech rates were available, with the fastest option still quite slow for advanced users. In addition, since human speech is used throughout the process, the faster speech level resulted in choppiness and audio artifacts which made it more difficult to understand the recorded prompts.

I did not complete my ballot with this machine because of one major reason...HORRENDOUS LAG. Users of electronic devices may often become frustrated when it takes a quarter second or more to hear audio feedback after pressing a button. When using the Move dial on the Verity, it often took 3 or 4 seconds for any feedback to be given after the dial was turned. In addition, after pressing the Help button, it was often difficult or impossible to interrupt the instructional message and return to the previous screen.

After spending about 10 minutes with the machine and still working on my first ballot selection of 23 contests, my frustration level reached a point where I had completely lost interest in completing my ballot.

ES&S ExpressVote

With my faith in modern voting technology quickly running out, I moved to the last of the machines, The ExpressVote from Election Systems & Software. ES&S purchased the assets of the former AutoMARK system, and the design of this model takes many cues from the previous version, which is a good thing.

I walked up to the machine and inserted my paper ballot into the reader, which immediately caused speech feedback to begin. No intervention was necessary from the election workers.

The keypad includes a rocker button for Volume labeled VOL in braille and another for voice speed labeled TPO for tempo. To the left of this is a five-way navigation pad with a select button in the center. A button to turn on and off screen input can be found near

the top. Beeps are heard when buttons are pressed, and speech feedback is given within a quarter second. A more modern male voice is used on this model, as opposed to Eloquence speech on the AutoMARK, but it was clear and easily understood.

For those familiar with the AutoMARK, the voting process was nearly identical. Up and down arrows are used to move through ballot choices, and right and left arrows move between contests. For new users, contextual help information is given as hints. Warnings are given if a ballot question is skipped without the appropriate number of votes or if a user attempts to vote for too many candidates in a contest. Overall, I completed my 23-question ballot in about 5 minutes.

CONCLUSION

Of the three systems tested, the ExpressVote is the only one I am comfortable recommending in its current form. Set-up was achieved independently by the voter, prompts were spoken efficiently, and a ballot could be completed using the fewest number of key presses.

Signs directing voters through the voting process resemble stations you'd see at a back to school night. From the cheerful face who hands you your Activation Card with barcode, indicating your correct ballot style, to the gentlemen handing the mom and daughter an "I Voted" sticker after depositing their vote record into the DS200, Election Day in Wilson County is a stress-free affair.

"Nothing in the constitution says this has to be complicated" added Warren. "This system proves that because it's simple and it works."

Leading the charge

When asked one of the biggest take-aways from the implementation of their new system, Smith remarked "One thing I wish election offices were more open to is technology and change. We believe if you expect a lot out of your poll workers they can do it. Sometimes we don't challenge them enough."

Upgraded technology means less time training poll workers and troubleshooting during an election. Many counties are tasked with doing innovative things with less money than they had 10 years ago, while also improving the experience for all who participate. Embracing technology, preparing for the future and planning for today can pay off in spades once implemented.

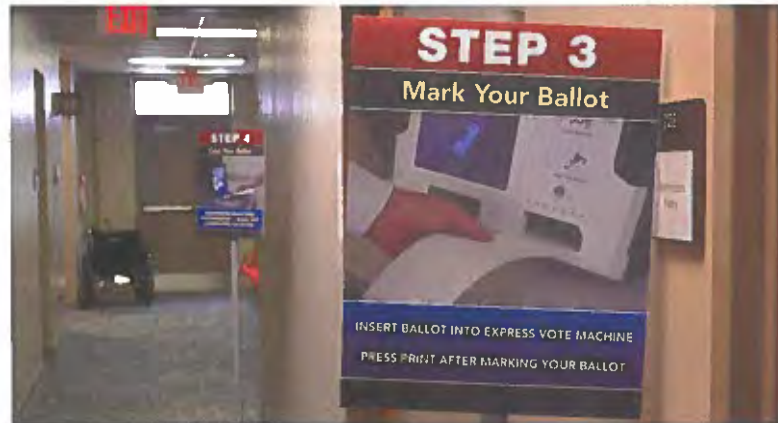
"We believe if you expect a lot out of your poll workers they can do it. Sometimes we don't challenge them enough."

- Tammy Smith, Assistant Administrator

"We've been able to save weeks on the backend in closing out the election and auditing, while realizing thousands of dollars in cost savings from salaries."

Additionally, the technology benefits of the system extend for many past Election Day. "In the beginning, some poll workers didn't even know the computer basics or use it in their everyday life (no cell phones). Now a lot of them have their own tablet devices, all because they were introduced to more technology while serving as a poll worker" said Smith.

To learn more about our visionary voting suite which includes the ExpressVote and DS200 contact your ES&S representative or visit our [website](#).





ExpressVote®

Universal Voting System as a Marker



Multilingual

Touch Screen and Display

Allows voters to easily make vote selections and review their selection.

Instruction Panel

A visual guide that shows voters how to use the ExpressVote.

Card Slot

Where the voter inserts their card to activate selections.

Visual Aids

High contrast and zoom functionality.

Front Access Panel

Headphone jack, a port for a Sip-and-Puff device or two-position rocker switch, and Audio-Tactile Keypad make the unit ADA friendly.

Audio-Tactile Keypad

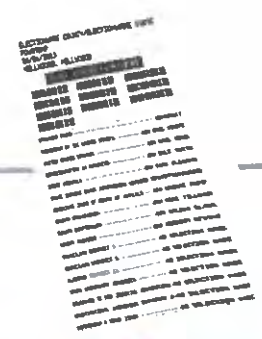
Enables ADA voters to control audio and navigate the ballot.

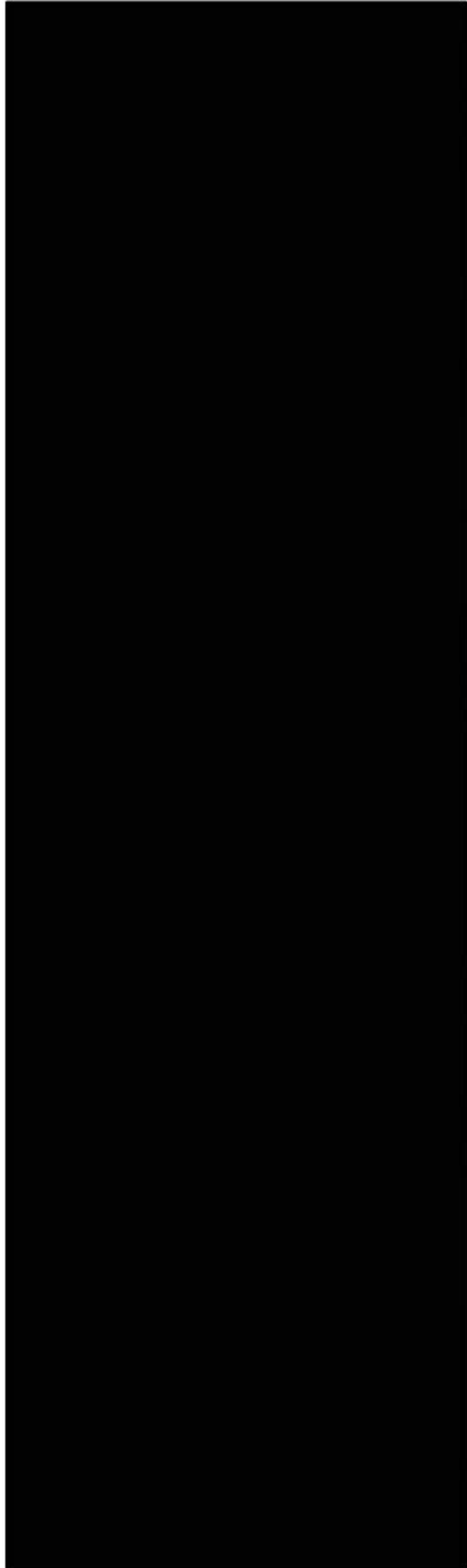


ACTIVATING THE VOTE SESSION:

Election officials can configure the ExpressVote to best fit their needs. The voter receives an activation card to begin the process.

- If only one ballot style is programmed for the election, a blank card activates the vote session.
- Multiple ballot styles with a blank card prompt poll workers to select the correct ballot style for the voter.
- A card with an activation barcode displays the correct options for the voter if the election has multiple ballot styles.





[Faint, illegible text visible through the paper, likely bleed-through from the reverse side.]



ExpressVote®

Universal Voting System as a Tabulator



Rolling Kiosk

Protects the ExpressVote unit in transit, during use and while in storage.

Accessible

As a fully compliant ADA voting solution, ExpressVote enables each voter to mark selections independently.



Privacy Shield

Protects voter privacy by obscuring viewing of the contest choices and ballot summary.

Card Slot

Where the voter inserts their card to activate selections.

Secure Card Container

Attaches to the unit to safeguard each voter's verifiable vote record once it's been cast.

ACTIVATING THE VOTE SESSION:

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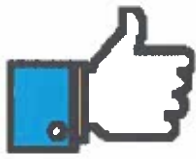
ExpressVote Key Features

The ExpressVote as a tabulator, improves the Election Day experience for voters — allowing them to mark and tabulate their vote summary card in one step. A voter can submit their vote selections for tabulation via AutoCast® or retrieve their verifiable paper vote record (vote summary card) for manual review. When ready, they can re-insert the card for tabulation. Vote records are safely deposited into a secure container.



ONE UNIT FOR EVERYTHING AND EVERYONE

Complete and total independence is maintained while voters make their selections. Voters review their selections and can make changes before casting their vote summary card. Voters with different abilities are also afforded the independence to cast their selections without assistance as the unit is fully ADA compliant.



EASY TO SET UP AND USE

The one-step startup and poll-closing procedure make the ExpressVote an ideal device for poll workers. The intuitive design offers streamlined simplicity for poll workers and election staff. The ExpressVote is also small, lightweight and easy to move.



CONTROLLED AND REDUCED COSTS

Traditional ballot printing costs can be significantly reduced by eliminating the need for pre-printed paper ballots. Voters activate their vote session, make their selections and receive a paper record to cast. This process consumes 70 percent less paper than traditional ballots.



INNOVATIVE DESIGN

Voters review a summary page and can make changes before casting their vote. The ExpressVote prevents overvotes and undervoting with prompts and on-screen feedback. Any changes a voter might make will not ruin the voting session. The system produces a verifiable paper record for each voter that is stored in a secure deposit bin.



VERIFIABLE PAPER RECORD

A human- and machine-readable vote summary card is produced, including text and an optical scan barcode, after voters have made all of their selections. The ExpressVote as a tabulator scans the vote summary card for tabulation.



DS200[®]

Precinct Scanner & Tabulator



Protective Cover

Cover has heavy-duty rubber seal to shelter DS200 from elements during transport.

Easy to Set Up

Lid-up, power-on approach allows poll workers to easily open polls.

Touch Screen and Display

Provides voters with instructions and immediate feedback. Tension bearings hold screen in place for custom positioning.

Ballot/Card Slot

Voters cast both ballots and vote summary cards here; accommodates up to 19-inch ballots.

Auxiliary Ballot Compartment

Main Ballot Compartment

Easy, hassle-free storage of up to 2,500 ballots.

11

The number of 14-inch flat ballots processed per minute

DS200 Key Features

The DS200 is a precinct-based scanner and vote tabulator equipped with the latest in ES&S' patented technology. Fully certified and compliant with EAC guidelines, the DS200 enhances the voting experience for voters and election officials alike. Our patented IMR™ and PTRAC® technology ensures even the most poorly marked ballots are read accurately and consistently — protecting voter intent. All of this is designed to make everyone's job easier.

ACCURATE



The DS200 combines the ES&S-patented Intelligent Mark Recognition (IMR™) and patented Positive Target Recognition & Alignment Compensation (PTRAC®) systems to accurately track and pinpoint target locations. This technology accommodates ballots inserted at angles or with erroneous marks to uphold voter intent. This precision improves the reliability of elections.

SECURE



Like all ES&S tabulation equipment, the DS200 includes physical security features such as locking panels and security seals to secure sensitive components and election files, and a key-locked case for transport and shipping. The DS200 operating system controls, limits and detects unauthorized access to all critical data. The system also includes safeguards, such as data encryption and digital signatures, that help protect sensitive data and verify authenticity, including certification of all firmware.

RELIABLE



Having both battery backup and thermal paper means you never have to worry about power outages or printer ink.

COMPATIBLE



Works in conjunction with:

- ExpressVote® Universal Voting System
- Electionware® Election Management Software
- DS450® High-Throughput Scanner & Tabulator
- AutoMARK® Ballot Marking Device
- DS850® High-Speed Scanner & Tabulator
- Election Reporting Manager®

COMPREHENSIVE



- Optional wireless modem results transfer with encryption
- Backup data storage
- Primary data storage device
- Data sent via Secure File Transfer Protocol (SFTP) server

For more information visit www.essvote.com



DS450[®]

High-Throughput Scanner & Tabulator

Touch Screen Display

Walks the operator through every step of the tabulation process.

Patented IMR™ and PTRAC®

IMR™ and PTRAC® technology provides unparalleled accuracy that reduces time-consuming manual ballot adjudication.

C-Curve

C-Curve efficiently transports ballots into the appropriate output bin.



Input Tray

Output Bins

- Sorts ballots into:
- Counted
 - Requires Further Review
 - Write-Ins

Paper Path Jam Management

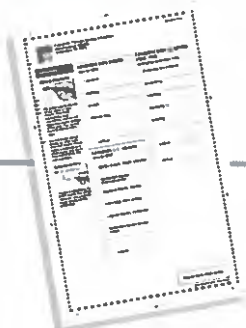
LED light tracking feature enables easy management of ballot jams – prevents need to rescan entire batch.



DS450

72

The number of 14-inch flat ballots processed per minute



DS450 Key Features

Customizable sorting is now more affordable than ever with the DS450 central scanner and tabulator. Process more ballots in less time, without stopping to sort overvotes, write-ins or blank ballots. ES&S sets the industry standard for high-speed scanners. The DS450 embodies the spirit of the DS850 while maintaining an efficient throughput along with affordability for jurisdictions.



SECURE

System integrity and electronic audits make the DS450 part of the most dependable family of central vote scanners and tabulators in its class. Safeguards, such as data encryption and digital signatures, help protect sensitive data and verify authenticity, including certification of all firmware.



FLEXIBLE

With three separate output bins, you can determine whether to outstack specific types of ballots for further review. Let the DS450 handle separating write-in votes, over-votes and blank ballots – all without missing a beat.



ACCURATE

ES&S-patented IMR™ and PTRAC® technology ensures ballots are read accurately and consistently, protecting voter intent and minimizing manual adjudication.



HIGH THROUGHPUT

Achieve faster sorts without stopping for each blank ballot with the DS450. It scans and sorts 14-inch double-sided ballots at 72 per minute into three output bins.



FOLDED BALLOT PROCESSING

The DS450 is designed with a series of TruGrip™ rollers, which maintain constant contact with the ballot surface, ensuring quality control throughout the entire tabulation process.



DS850[®]

High-Speed Scanner & Tabulator

Patented IMR™ and PTRAC™

IMR™ and PTRAC™ technology provides unparalleled accuracy that reduces time-consuming manual ballot adjudication.

Touch Screen Display

Walks the operator through every step of the tabulation process.

Tru-Grip™ Rollers

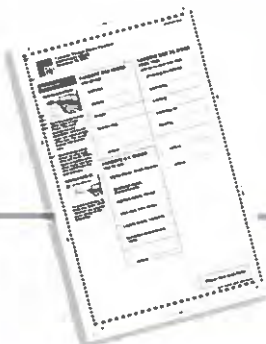
Provides constant contact, ensuring each ballot - even those folded or damaged - are individually processed.

S-Curve

Patented design enables lighting-quick scanning and smooth ballot flow.

Output Bins

- Sorts ballots into:
- Counted
 - Requires Further Review
 - Write-Ins



300

The number of 14-inch flat ballots processed per minute

DS850 Key Features

Your elections require a centralized vote scanner and tabulator that is quick and accurate. With its high-speed digital image processing, the DS850 continuously scans ballots to save you valuable time when tabulating election results.



SECURE

System integrity and electronic audits make the DS850 part of the most dependable family of central vote scanners and tabulators on the market. Safeguards, such as data encryption and digital signatures, help protect sensitive data and verify authenticity, including certification of all firmware.



USER-FRIENDLY

Designed specifically for the election process, the DS850 features a user-friendly software interface on a 15-inch LCD color touch screen. The S-shaped transporter allows for a natural flow, creating separation between individual ballots.



ACCURATE

ES&S' patented IMR™ and PTRAC™ technology ensures that ballots are read accurately and consistently, protecting voter intent and eliminating manual adjudication time.



FOLDED BALLOT PROCESSING

The DS850 is designed with a series of TruGrip™ rollers, which maintain constant contact with the ballot surface, ensuring quality control throughout the entire tabulation process.



HIGH-SPEED SORTING

The DS850 is the only high-speed scanner in the marketplace that can sort various ballot sizes at full speed. It scans and sorts 14-inch double-sided ballots at 300 per minute into three output bins, separating ballots into three categories: counted, requires further review, and write-ins.



BALLOT ON DEMAND PRINTER

Balotar[®]

THE FUTURE OF BALLOT ON DEMAND[®] PRINTING.

The portable Balotar Printing System[®] consolidates commercially available printing components with ES&S' proprietary software and hardware modifications, enabling the system to fulfill the demanding printing and audit needs of elections.

The Balotar Compact is a rugged printer that can be transported, along with an optional foldable lightweight cart and accessories, in the back of a van or hatchback. The light weight and small size of the Balotar Compact Printer eliminates costly manpower and transportation fees normally associated with moving larger on-demand systems between the storage and polling locations.

The system enables election staff to print the exact number of ballots needed for each vote center, based on Election Day turnout, increasing efficiency while reducing cost and waste.



Advance Voting Steadily Grows



BENEFITS

ENVIRONMENTALLY FRIENDLY

- Eliminate waste from pre-printing too many ballots
- Lower energy use for ballot printing and shipment
- Reduce chemical use

COST EFFICIENT

- Limit overtime costs
- Reduce temporary staffing needs for ballot processing and inventory
- Flexible fees to fit your budget

AUTOMATED BALLOT MANAGEMENT

- Remove the need for organizing and storing mass quantities of ballots
- No more estimating how many ballots to order

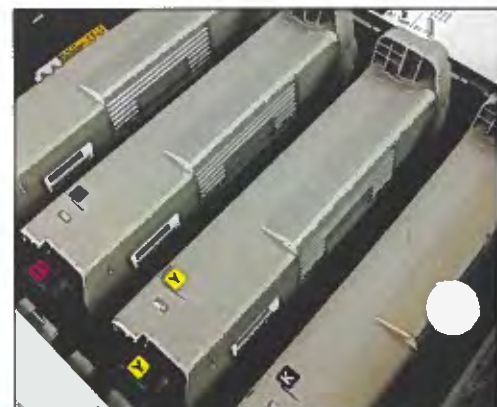
STRESS RELIEF

- Control pre-election ballot production
- No Election Day delays for ballot deliveries
- Ensure the correct ballot style for every voter
- Avoid ballot shortages
- UOCAVA and absentee ballots ready in an instant



KEY FEATURES

- Precision alignment feeder ensures maximum ballot readability
- Integrates with your voter registration system, providing an easy-to-use interface
- Eliminates ballot picking and pulling
- Print ballots as-needed
- Remove the risk of ballot shortages
- Automated email and fax capability
- Overlay capability
- Plug-and-play capability
- Automatic duplex capability for 19-inch ballots





Electionware®

Election Management System

User Friendly

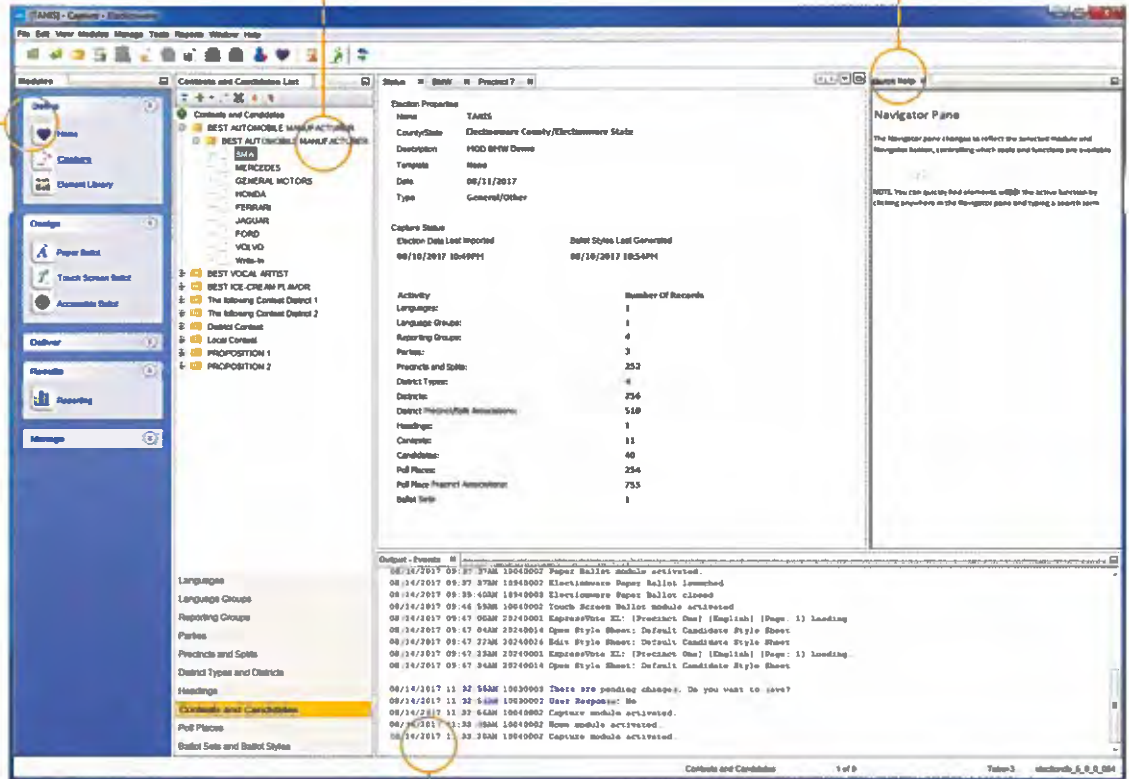
Navigator helps users access exactly what is needed in the current module.

Quick Help

Context-sensitive Quick Help is available in all areas of Electionware.

Easy End-to-End Workflow

Enables end-to-end election management, from data capture, ballot layout, and configuring equipment to loading and reporting results.



Feedback

Flexible, yet powerful election management software guides user through the creation of the election, ensuring that all election data, security codes, and machine settings are added correctly to the election definition.

ELECTION INTELLIGENCE

- Timely election data inquiries and reports
- Workflow management and error alerts
- Enforced data accuracy
- User customization
- Tracking of election media
- Live status indicators for incoming results

PRODUCTIVITY

- Fast data import
- Reusable election and ballot layout templates
- Simple translation and audio file management
- Multiple simultaneous users
- Ballot image filtering, viewing and printing

Electionware Key Features

Electionware is designed to accommodate the latest election trends, including early and overseas voting, ADA compliance, ballot adjudication, and Election Night reporting. Use Electionware to create an election information database, format ballots, program voting and ballot scanning equipment, count ballots, review ballot images, and report results. This agile election management system is the result of our nearly 40 years of election product research and development.

SIMULTANEOUS MULTIUSER ACCESS



Multi-user Electionware functionality enables large jurisdictions to use authorized election personnel on a closed-network system simultaneously creating precinct media flash drives and entering information for the ES&S equipment and Electionware. Additionally, the multi-user functionality in Electionware allows multiple teams of election officials to work simultaneously on different elections.

DATA SECURITY



Electionware incorporates the latest in election security, including built-in audit controls, encrypted election data, and access level user credentials designed to keep election data safe and secure. Electionware is fully compliant with EAC guidelines for usability, accessibility and security requirements. The Equipment Security feature creates security codes that control access to voting equipment. All election media USB flash drives contain encryption specific to the current election and equipment type.

ROBUST



Electionware manages nearly 10,000 ballot styles and precincts; supports myriad languages; manages and deploys multiple levels of security. One database for multiple equipment types provides election-wide uniformity and compliance, as well as less room for human error.



Field Services

Maintenance Service Protection Program

**IS AN EQUIPMENT CHECKUP ON YOUR LIST OF TO-DO'S?
IT DOESN'T HAVE TO BE!**

Keep your voting systems working at peak performance with preventative maintenance — along with certified software and firmware upgrades and enhancements offered-through ES&S' Maintenance Service Protection Program.

Be confident this election knowing that your voting solutions are in the care of trained ES&S professionals who have intimate product knowledge and, on average, 10-12 years of election experience each.



**UPGRADES &
ENHANCEMENTS**



**REPAIR
SERVICES**



**TECHNICAL
SUPPORT**

Field Services

- ES&S performs sustainment engineering for end-of-life parts, ensuring continued product operation
- All ES&S technicians experience extensive training, and are certified by a Senior Field Services Technician
- All ES&S employees undergo a background check prior to hire
- To assist with record keeping, ES&S provides electronic documentation with a serial number after a work order has been completed
- ES&S ensures equipment adheres to federal and state certification requirements
- 24/7 access to customer-specific documentation
 - Product Advisories
 - Product documentation
 - Training materials
- Easy budgeting with one annual invoice ensures customers are not affected by price fluctuations and rising expenses

ES&S MAINTENANCE PROTECTION PACKAGES INCLUDE:

	Gold Package	Silver Package
Scheduled preventative maintenance services including inspection, cleaning, calibration, and testing of covered equipment	Every Year	Odd-Numbered Years*
Free certified replacement parts	✓	✓
Technical help desk support	✓	✓
Repair services	✓	✓
Certified software and firmware upgrades and enhancements	✓	✓
Service by trained and certified ES&S technicians	✓	✓
Exclusive ES&S-certified system parts	✓	✓
Service history tracking	✓	✓
Service satisfaction survey	✓	✓
One simple annual invoice	✓	✓

* During odd-numbered years, customers may ship equipment back to our Omaha headquarters for repairs at their shipping expense

ELECTION SYSTEMS



SOFTWARE

www.essvote.com

Our *Business*

Our vision at Election Systems & Software (ES&S) is simple and unwavering — we provide products and services of exceptional quality and value to maintain voter confidence and enhance the voting experience. We accomplish this through continuous investments in research and development, resulting in regular product updates and security enhancements for each voting system we design, build, sell and support.

The ES&S mission is to provide valuable, trusted and proven election systems and services to our nation's election administrators. Our teams of passionate, knowledgeable and talented election professionals across North America accomplish our mission by delivering the highest standards of accuracy, security and reliability.

No other voting system vendor can compare to the financial stability and customer base of ES&S. Our business has grown to serve 42 U.S. states including more than 4,500 election offices, and nearly 100 million registered voters tabulate on an ES&S system.



Our *Products and Services*

ES&S draws from decades of election experience to develop our industry-leading election hardware and software. We hold customer-focus groups to review current voting trends and the needs of jurisdictions. Pre-election, Election Day or post-election, we're the experts election officials can trust for all of their voting solutions. We share a dedication to democracy.

Our *Solutions*

- Universal touch screen voting systems that produce a voter-verifiable paper record for tabulation
- Precinct-based Digital Scanners and Vote Tabulators
- High-throughput and High-speed Digital Scanners and Vote Tabulators
- Dedicated Hardware and Software Technical Support
- Rental Programs
- Election Site Support
- Election Services including:
 - Ballot layout and design
 - Tabulator coding
 - Audio file creation
- Ballot Management Services
 - Ballot printing
 - Ballot on Demand
 - Vote by Mail
- Maintenance Services
- Election Management Software
- Voter Registration Software
- Electronic Pollbooks



Our Security

Philosophy

The overriding design philosophy with all ES&S products is to ensure accuracy, security and reliability — a philosophy that has prevailed throughout our company's history.

ES&S submits our systems to rigorous and lengthy test campaigns as part of the Election Assistance Commission's (EAC) Voting System Certification Program. This important program sets forth security and performance standards that were developed by Scientists, Academicians and Election Officials. In addition, all our systems are tested by independent laboratories that have received federal accreditation.

Our voting systems also adhere to secure practices that surround the creation, transfer, and storage of important election files and data. Our products employ encryption and digital signing for all data-in-transit using cryptographic modules that meet the Federal Information Processing Standard.

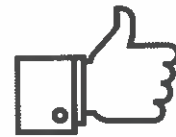
The entire ES&S team is devoted to ensuring that each piece of technology is in good working order prior to Election Day, helping election officials to easily adhere to the laws of their state which mandate strict physical security and tight chain of custody of all voting machines.

Running *Successful Elections*

Having the right election system
is the first step toward running
a successful election. ES&S ensures our
voting systems are:



Secure



Easy for every age
and ability of voter to
understand and use



Accurate and Auditable



Economical

But what about our numbers?



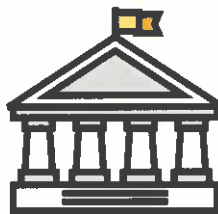
26

State Certification Events in 2018 alone



20

Voting Systems Certified by the EAC



42

Patents issued in North America



100%

Percentage of employees who completed Security Awareness Training

Our Pride

We take great pride in playing a role to ensure democracy for our citizens. We love what we do.

Our Purpose

We demonstrate drive and determination for secure solutions and satisfied customers. We are always working hard on innovative designs for today and tomorrow.

Our Passion

Our enthusiasm for the work we do and for our customers is unrivaled. Customer success is our success; customer struggle is our struggle. We are passionate about helping our customers conduct elections of excellence.