

Appendix I: ExpressVote®

ExpressVote combines paper-based voting with touch screen to create a breakthrough in voting solutions. Used for Advanced Voting and on Election Day in polling locations, the ExpressVote handles it all. No longer must election officials guess the number of ballots to print. Instead, when a pollbook is used for voter check-in, a Vote Session Activator™ card is printed with a barcode which determines the ballot style presented on the touch screen. If your jurisdiction does not use a pollbook or Activation Card Printer, a blank activation card is inserted into the ExpressVote, and the election official will manually select the ballot style for that voter on the ExpressVote screen.



Accommodating to various election needs, this system can serve all voters, even those with special needs, allowing voters to vote autonomously. A feature-rich system, ExpressVote is for people with or without visual impairments, hearing issues and physical accommodations.

MULTIPURPOSE STATE-OF-THE-ART TECHNOLOGY

ExpressVote is an advanced voting, Election Day and accessibility solution. This device is built for high-volume voting, allowing voters to vote anywhere in their jurisdiction, in addition to allowing people with disabilities to privately and independently cast their vote.

- ✓ **Vote session activator** — If the jurisdiction uses pollbooks for voter check-in, a voting session activator card is printed with a barcode to begin the process. The ExpressVote reads the barcode indicating which ballot style is presented to the voter. Once all selections are made, a readable record is produced, which can be tabulated on the DS200 or DS850.
- ✓ **Easy to set up and use** — One-step start-up and poll closing procedure makes the ExpressVote an ideal device for poll workers. The intuitive design offers streamlined simplicity for all voters, poll workers and election staff.
- ✓ **Innovative design** — Complete and total independence is maintained while the voter casts their own record. A voter's selection changes will not spoil their voting session.
- ✓ **Controlled and reduced costs** — Traditional paper ballot printing costs can be reduced significantly by eliminating the need and expense for pre-printed paper ballots. With low operation and maintenance fees, budgeting for recurring expenses becomes easy with the ExpressVote.

EXPRESSVOTE — ACCESSIBILITY

The touch screen and navigational keypad buttons are interconnected and can be used to complete all required operations. On the touch screen interface, various colours and accessibility-enhancing

effects have been chosen to prompt and guide the voter. These digital buttons meet all applicable guidelines regarding size and readability.

The navigational keypad has been tested and modified through consultation with special needs groups. The keys are arranged to allow for an intuitive voting session. Each key has both Braille and printed text labels designed to indicate function and a related shape to help the voter determine its use.

Regardless of whether the voter uses the touch screen or audio interface, changes can easily be made throughout the voting process by simply navigating back to the appropriate screen and selecting the change.

ES&S has a strong development history of innovative solutions for people with disabilities. From concept to construction, ES&S adheres to industry-leading standards for quality and design. ExpressVote meets and exceeds the more rigorous 2005 Voluntary Voting Systems Guidelines for usability, accessibility and security requirements

EXPRESSVOTE — VOTER FLOW

- 1 Voter checks in with poll worker and receives an activator



- 2 Voter inserts activator



- 3 Voter prints record



- 4 Record is tabulated on a digital scan machine



EXPRESSVOTE — FEATURES, FUNCTIONS AND BENEFITS

Features	Functionality	Benefits
Accessibility	<ul style="list-style-type: none"> Multiple user interfaces including touch screen, Braille-embossed keypad, sip-and-puff tube, foot pedal or other two-way switch. Audio voting session via text-to-speech or .wav files. Voter selects speed, tone and volume. High-visibility on-screen ballots. Voter-selected font size and contrast settings. 	The ExpressVote allows blind, low-vision, and limited-dexterity voters to privately listen to instructions and selections in a volume, tone and speed level comfortable to them, able to cast their vote unassisted, thereby maintaining their privacy and anonymity.
Verifiable vote record	<ul style="list-style-type: none"> Marks paper record used for tabulating by the DS200 digital poll scanner or DS850 high-speed central count scanner. More densely populated card (24 columns) vs. current 3 columns on a conventional ballot, saving time, pages and traditional ballot printing costs. 	Allows jurisdictions to maintain hard copies of vote records marked on ADA-compliant systems.
Internal thermal printer	<ul style="list-style-type: none"> Integrated printer generates vote record on 4 ½-inch x 11, 14, 17 and 19-inch paper. Thermal printing technology eliminates ink/ribbon costs, maintenance and downtime. 	Eliminates ink and toner expenses.
Summary page verification process	<ul style="list-style-type: none"> Presents voters with the option to review choices, modify/change selections, or fill in any skipped races prior to printing the record. Unique software applications ensure that only the proper number of candidates is chosen for each race. 	Reduces the risk of undervoting and prevents overvoting, marginally marked, and incorrectly marked selections.
Multilingual capability	<ul style="list-style-type: none"> Multiple languages can be stored on a single machine for use with both audio and visual voting sessions. 	Ensures that all citizens in a diverse population exercise their privilege to vote in their native language.
Poll opening and closing	<ul style="list-style-type: none"> No special procedures required for opening or closing polls. Audit logs provide operational information and time/date stamps for printed vote records. 	Easy for poll workers to set up and close down.

EXPRESSVOTE — PHYSICAL FEATURES

ES&S ExpressVote	
Operating temperature range	50° to 104° Fahrenheit 10 ° to 40° Celsius
Storage temperature range	-4° to 140° Fahrenheit -20 ° to 60° Celsius
Humidity levels	Storage: between 10% and 85% Operation: between 10% and 50%
System storage	Designed to nest, units may be stacked four-high Unit dimensions (operational): 19" H x 5.5" W x 17" D ExpressVote weighs 20 lbs. with internal battery Unit dimensions (LCD stowed): 22.5" H x 17" W x 11" D
Operation electrical requirements	Contains a built-in power supply that operates from standard AC line voltages