

MONTANA SECRETARY OF STATE

Elections and Voter Services

Voting System Examination Report of Findings

ES&S EVS 6.0.4.0 – August 27, 2019

On August 27, 2019 the Montana Secretary of State's Office conducted a voting system examination in Helena, Montana to review and test Election Systems & Software's EVS 6.0.4.0 pursuant to Title 13, Chapter 17, Part 1 of Montana Code Annotated and Title 44, Chapter 3, Subchapter 17 of the Administrative Rules of Montana.

The examination was conducted by the following State and County election officials: Dana Corson, Director of Elections and Voter Services; Stuart Fuller, Elections and Voter Services Manager; Gabi Ames, Elections Specialist; Mark Carpenter, Elections Specialist; Conner Gagnon, Elections Specialist; Lisa Schlosser, Elections Specialist; Dayna Causby, Missoula County; Bradley Seaman, Missoula County; Casey Hayes, Gallatin County; Kyle Cordova, Gallatin County; Monica Eisenzimer, Flathead County; Debbie Pierson, Flathead County; Roberta Christenson, Sanders County; Regina Plattenberg, Ravalli County; Stephanie Verhasslet, Richland County; Daniel Wendel, Lewis and Clark County.

Presenting the voting systems was Election Systems and Software (ES&S) State Certification Manager Susan Pamer. Assisting were ES&S Montana Account Manager Will Nesbitt, Regional Sales Manager Lori Mommaerts, and Senior Vice-President of Certification Steve Pearson.

Voting Systems Examined

EVS 6.0.4.0 includes three tabulators – the DS200, the DS450, and the DS850 and a voter assist terminal ExpressVote (HW 2.1). This version also updates the Election Management System including ElectionWare which is a back-end software module that accumulates election results from tabulators. EMS also formats and generates customized election reports. The ExpressVote voter assist terminal is a voter accessibility terminal for voters with disabilities or voters who would like to vote via touchscreen or various accessibility options. ExpressVote produces a printed ballot that can be tabulated using the three tabulators mentioned above and verified by hand if required.

- Please refer to Appendix A, ES&S application documentation for a complete description of ES&S EVS 6.0.4.0 and components.
- EVS 6.0.4.0 with the listed components, is also certified in Delaware, Kentucky, Mississippi, North Dakota, Ohio, Oregon, Utah, and Virginia.
- EVS 6.0.4.0 was federally certified by the Election Assistance Commission on May 3, 2019 under EAC Certification Number ESSEVS6040 (<https://www.eac.gov/voting-equipment/evs-6040/>). Certification was recommended by the independent testing company SLI Compliance on April 24, 2019.

- A federal certification by the U.S. Election Assistance Commission is an official recognition that a voting system has been tested to and has met an identified set of federal voting system standards.

Required Materials

Pursuant to Montana law, ES&S provided fully functional versions of the voting systems to be examined. Hardware supplied by the vendor for the testing included one DS200, one DS450, one DS850, nine ExpressVote terminals, and one laptop loaded with the Election Management Software which included the ElectionWare software.

ES&S provided brochures, pamphlets, and descriptive or sales materials intended for use in promoting the system within Montana, as well as samples of training aids for use by election officials and gave a PowerPoint presentation on EVS 6.0.4.0 and the applicable updates.

Unmarked ballots, in the form required by Montana law, were supplied by the applicant for both major party primaries and a general election in which the office of President of the United States of America would be elected. Ballot issues, precinct, split, and political party affiliation (where applicable) were contained on the examination ballots. Secretary of State Elections and Voter Services staff created a test deck by marking ballots according to a marking matrix and built a results key for verification of results. A test deck of non-uniform ballots produced by the ExpressVote terminals was created according to a marking matrix by a subgroup of the County election officials attending the certification event.

Required Tests

The following tests were performed:

- DS200, DS450, and DS850 Logic, Accuracy, Undervote and Overvote Test
- DS200, DS450, and DS850 Ballot Bending and Folding Test
- DS200, DS450, and DS850 Color and Marginal Mark Test
- DS200, DS450, DS850, and ExpressVote Criteria of Construction Test
- ExpressVote Marking and Tabulation Test
- EMS (ElectionWare) Accuracy Test

Testing Procedure

- Six sets of tabulation materials were used for the test. A set of general election ballots and two sets of primary election ballots containing both Republican and Democrat ballots using a uniform paper ballot were marked by Secretary of State's Office staff in the Secretary of State's office on August 27, 2019. Another set of general election and two sets of primary election ballots containing both Republican and Democrat ballots using ExpressVote and producing non-uniform paper ballots were marked by a group of County Election officials.
 - Materials were tabulated twice on the DS200s and four times on the DS450 and DS850 with no exception for incorrect tabulation determined by the examiners.
 - Examiners reviewed all sets of materials and printed results.

- The test deck results keys were distributed to examiners to cross verify the results of the tabulators and the EMS (ElectionWare) results to that of the expected results. There were a couple of exceptions in the results comparison that was attributable to human error in voting the ballots in the test desk as they were constructed compared to preset marking matrix and results matrix. There were no identified errors in the tabulation equipment in tabulating the two types of ballots or in the ExpressVote voter assist terminal equipment in producing ballots correctly as voted by the testers.
- Logic tests confirm that the voting system is capable of recognizing election ballots of both types. Accuracy tests check the ability to correctly tabulate results. The overvote test identifies more votes than allowed.
- The ballot folding test determines the ability of the voting system to tabulate folded ballots.
- The marginal mark test demonstrates how voting systems may read ballot marks. This test analyzed the ability of the scanner to distinguish different type of marks on the ballot. These types of marks included: checkmarks, Xs, lines, hesitation marks, different colored pens, highlighters, marks outside of the oval, and marks through many ovals.
- Election Management System (ElectionWare) Accuracy test determined the ability for the software to correctly import and report the results from the tabulators.
- Other than the EMS (ElectionWare) Accuracy test, no specific tests were performed on the software components, which have been federally tested and certified.
- Examiners were provided with a checklist containing the Criteria of Construction.

System Test Results

Not all examination tests apply to all voting systems. Only tests that pertain to a particular voting system were applied.

DS200 v. 2.17.4.0

Logic, Accuracy, and Overvote Test

- The DS200 tabulated and correctly reported results from test decks of multiple ballot styles used in Montana, including two-page primary and two-page general election ballots, county splits, write-ins, and ballot issues. It also correctly tabulated and reported results from test decks of non-uniform ballots produced from the ExpressVote voter assist terminal.
- Overvotes and Undervotes were correctly identified with an audible and visual signal, which provides an opportunity for the elector to inspect the ballot before tabulation.

Ballot Bending and Folding Test

- Unfolded ballots had no issues with the DS200.
- Normally folded ballots and abnormally folded ballots ran through as expected.

Ballot Color and Marginal Mark Test

- The DS200 tabulator read all properly marked ovals.
- Ovals marked with other marks were detected and sorted accordingly with warning messages on the screen as appropriate.

Criteria of Construction Test

- Vendor certified that this voting system meets the criteria of construction outlined in the Administrative Rules of Montana.

DS450 v. 3.1.1.0

Logic, Accuracy, and Overvote Test

- The DS450 tabulated and correctly reported results from test decks of multiple ballot styles used in Montana including two-page primary and two-page general election ballots of county splits, write-ins, and ballot issues. It also correctly tabulated and reported results from test decks of non-uniform ballots produced from the ExpressVote voter assist terminal.
- Write-ins were correctly routed to an alternative tray to be manually viewed. Overvotes were correctly identified.

Ballot Bending and Folding Test

- Unfolded ballots ran through the DS450 without issue.
- Normally folded ballots and abnormally folded ballots ran through as expected.

Ballot Color and Marginal Mark Test

- The DS450 tabulator read all properly marked ovals.
- Ovals marked with other marks were detected and sorted accordingly.

Criteria of Construction Test

- Vendor certified that this voting system meets the criteria of construction outlined in the Administrative Rules of Montana.

DS850 v. 3.1.1.0

Logic, Accuracy, and Overvote Test

- The DS850 tabulated and correctly reported results from test decks of multiple ballot styles used in Montana including two-page primary and two-page general election ballots, county splits, write-ins, and ballot issues. It also correctly tabulated and reported results from test decks of non-uniform ballots produced from the ExpressVote voter assist terminal.
- Write-ins were correctly routed to an alternative tray to be manually viewed. Overvotes were correctly identified.

Ballot Bending and Folding Test

- Unfolded ballots ran through the DS850 without issue.
- Normally folded ballots and abnormally folded ballots ran through as expected.

Ballot Marginal Mark Test

- The DS850 tabulator read all properly marked ovals.
- Ovals marked with other marks were detected and sorted accordingly.

Criteria of Construction Test

- Vendor certified that this voting system meets the criteria of construction outlined in the Administrative Rules of Montana.

ExpressVote 2.4.5.0

Ballot Production Test

- Non-uniform ballots with bar codes and printed offices and candidates voted for were produced.
- Various ADA accessibility options were tested and confirmed.

Ballot Tabulation Logic Test

- Ballots produced by the ExpressVote voter assist terminal were tabulated accurately using a DS200, DS405, and DS850 tabulator.

Criteria of Construction Test

- Vendor certified that this voting system meets the criteria of construction outlined in the Administrative Rules of Montana.

Election Management System (ElectionWare) v. 6.0.4.0

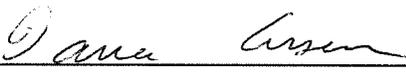
Accuracy Test

- USB flash drives from the tabulators were imported into EMS and the results were printed and were found to be consistent on each tabulation.
- Results were verified against the tabulator printouts and the Secretary of State's ballot key.

Recommendation and Impact

After passing all testing criteria, ES&S EVS 6.0.4.0 is recommended for approval of certification.

Approval of ES&S EVS 6.0.4.0 presents no economic impact on the counties of the State of Montana.

By: 
Dana Corson, Director of Elections and Voter Services

Appendix A

- ES&S Application Documentation

Appendix B

- Signed Vendor Checklist

Appendix C

- Signed Examiner Checklist



June 7, 2019

**VIA UPS OVERNIGHT DELIVERY
AND VIA EMAIL TO DCorson@mt.gov**

Dana Corson
Montana Secretary of State Office
Montana Capitol Building, Rm. 260
P.O. Box 202801
Helena, MT 59620-2801

RE: State Certification of EVS 6.0.4.0 Voting System

Dear Mr. Corson:

Election Systems & Software, LLC. ("ES&S") is pleased to present this formal request to the State of Montana to certify the EVS 6.0.4.0 Election Management System. EVS 6.0.4.0 was certified by the United States Election Commission on May 3, 2019 and has been assigned the certification number of ESSEVS6040. The table below represents the version numbers of the software/firmware we are requesting certification of in comparison to the version numbers of the components previously certified in Montana.

	EVS 5.2.2.0 (State Certified 10/17/2017)	EVS 6.0.4.0 (EAC Certified 05/03/2019)
DS200	2.12.2.0	2.17.4.0
DS450	3.0.0.0	3.1.1.0
DS850	2.10.2.0	3.1.1.0
ExpressVote (HW 2.1)	N/A	2.4.5.0
ElectionWare	4.7.1.1	5.0.4.0
ToolBox	3.1.0.0	3.5.0.0
Expressvote Previewer	N/A	2.4.5.0
Removable Media Service	1.4.5.0	1.5.1.0
Event Log Service	1.5.5.0	1.6.0.0

Included with this cover letter is a Technical Data Package (enclosed on CD-ROM) for the system which includes things like change release notes, system overview and set up, ballot production guidelines, and operation and maintenance manuals. Also enclosed is the proof of escrow deposit with Iron Mountain, along with the Test Lab Certification Test Report and EAC Grant of Certification and Certificate of Conformance.

Dana Corson
Montana Secretary of State
Page 2

Please review the enclosed documentation and contact me to schedule a date and time for the examination. Should you have any questions regarding ES&S' request or the supporting documentation, please do not hesitate to contact me via telephone at 402-938-1305 or via email at susan.parmer@essvote.com.

Sincerely,



Susan L. Parmer
Montana State Certification Manager
Election Systems & Software, LLC.

cc: Mr. Steve Pearson, Sr. Vice President, Certification, ES&S

Enclosures



MONTANA SECRETARY OF STATE

Elections and Voter Services Division

Application for Voting System or Component Certification

APPLICANT INFORMATION	
Name of Vendor Election Systems & Software	Contact Person, Title Susan Parmer, State Certification Manager
Address 11128 John Galt Blvd., Suite 200	E-mail Address Susan.parmar@essvote.com
City, State, Postal Code Omaha, NE 68137	Telephone Number (402) 938-1305
	Fax Number (402) 970-1275

SYSTEM/COMPONENT INFORMATION											
Statement that applicant is applying for examination pursuant to Administrative Rules of Montana:											
<p>Pursuant to the administrative Rules of Montana, Election Systems & Software is applying for the certification of EVS 6.0.4.0 voting system. This release includes the already State certified DS200, DS450, and DS850, and adds the ExpressVote, a new ADA which can be configured as a marker or tabulator.</p>											
Name and release level of system or component:											
<p>Montana State Certification of EVS 6.0.4.0 EAC Certified 05/03/2019 Compliance: 2005 VVSG Standard</p>											
Election Management System (EMS)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>ElectionWare</td><td style="text-align: right;">5.0.4.0</td></tr> <tr><td>Toolbox</td><td style="text-align: right;">3.5.0.0</td></tr> <tr><td>Removable Media Service</td><td style="text-align: right;">1.5.1.0</td></tr> <tr><td>Event Log Service</td><td style="text-align: right;">1.6.0.0</td></tr> <tr><td>Expressvote Previewer</td><td style="text-align: right;">2.4.5.0</td></tr> </table>	ElectionWare	5.0.4.0	Toolbox	3.5.0.0	Removable Media Service	1.5.1.0	Event Log Service	1.6.0.0	Expressvote Previewer	2.4.5.0
ElectionWare	5.0.4.0										
Toolbox	3.5.0.0										
Removable Media Service	1.5.1.0										
Event Log Service	1.6.0.0										
Expressvote Previewer	2.4.5.0										
ES&S Tabulators	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DS200 Precinct Tabulator (HW 1.2 & 1.3)</td><td style="text-align: right;">2.17.4.0</td></tr> <tr><td>DS450 Central Tabulator (HW 1.0)</td><td style="text-align: right;">3.1.1.0</td></tr> <tr><td>DS850 Central Tabulator (HW 1.0)</td><td style="text-align: right;">3.1.1.0</td></tr> </table>	DS200 Precinct Tabulator (HW 1.2 & 1.3)	2.17.4.0	DS450 Central Tabulator (HW 1.0)	3.1.1.0	DS850 Central Tabulator (HW 1.0)	3.1.1.0				
DS200 Precinct Tabulator (HW 1.2 & 1.3)	2.17.4.0										
DS450 Central Tabulator (HW 1.0)	3.1.1.0										
DS850 Central Tabulator (HW 1.0)	3.1.1.0										
Voter Assist Terminal (VAT)	ExpressVote (HW 2.1)(Marker Only) 2.4.5.0										

Brief description of system or component:

	EVS 6.0.4.0	Module Description
Election Software Ballot Definition Ballot Design Election Media Election Results	ElectionWare	Electionware is the election management software that provides end-to-end election management activities through a powerful and intuitive user interface. Its efficient and flexible design enables jurisdictions of all sizes to effectively manage their elections. Electionware delivers everything needed to run an election, from creating the ballots to reporting the voting results.
	ExpressVote Previewer	A function in ElectionWare to test the ExpressVote is set up correctly and the data was generated correctly.
	Removable Media Service	Service supporting election media programming
Post-Election Software Election Results Reporting Election Auditing	Event Log Service	Electionware and Election Reporting Manager use Event Log Service to control user access and store detailed logs of the actions performed in both programs.
Tabulators	DS200	Precinct-based vote tabulator that scans both sides of the ballot simultaneously and saves ballot images to a USB memory device for later ballot viewing.
	DS850	Central count high-speed scanner and tabulator that uses advanced cameras and imaging algorithms to simultaneously capture voter selections on the front and back of a ballot, evaluates the results, and sorts the ballots into bins.
	DS450	Central count scanner and tabulator with ballot sorting capabilities. The DS450 can accurately discriminate between valid marks and extraneous perforations, smudges, and folds. Both sides of the ballot are scanned simultaneously, producing ballot images that are decoded by a proprietary recognition engine.
Voter Assistance Terminal	ExpressVote	The ExpressVote universal voting system is a vote capture device designed for all voters, with independent voter-verifiable paper record that is digitally scanned for tabulation on a compatible ES&S tabulator. This system combines paper-based voting with touch screen technology. The ExpressVote can serve all voters, including those with special needs, allowing voters to cast vote summary cards autonomously. Voters navigate ballot selections using the touch screen, detachable ADA keypad or ADA support peripheral such as a sip-and-puff or other binary tactile device. ExpressVote guides voters through the ballot selection process with screen prompts, symbols and ballot audio. Screen controls meet all applicable guidelines for size and readability.

Name and version of major hardware, firmware, software and components:

Please see above for high level overview of the EVS 6.0.4.0 voting system. Below is a continuance of the above table with additional details on ES&S' hardware versions.

	Firmware Version	Hardware Level
DS200	2.17.4.0	1.2, 1.3
DS850	3.1.1.0	1.0
DS450	3.1.1.0	1.0
ExpressVote	2.4.5.0	2.1
ElectionWare	5.0.4.0	
ToolBox	3.5.0.0	
ExpressVote Previewer	2.4.5.0	
Removable Media Service	1.5.1.0	
Event Log Service	1.6.0.0	

Type of application (select one):

- Certification of a new system or component
 Certification of modification to certified system or component
 Renewal of a previously certified system or component

Affected components for type of application:
 Hardware Firmware Software

Date and time of requested examination:
August 2019 timeframe

Place of examination:
Helena, Montana

Statement that the applicant will pay reasonable costs of examination ([MCA 13-17-102\(2\)](#)):

Election Systems & Software will pay reasonable costs of examination of EVS 6.0.4.0

References for each state where this exact system or component is currently certified for use:

State	Date Approved	Length of Use	Contact Person	Contact Information
Ohio	5/10/2019	N/A	Matthew Damschroder	mdamschroder@ohiosecretaryofstate.gov
Utah	4/29/2019	N/A	Derek Brenchley	dbrenchley@utah.gov

If state approval/certification has ever been revoked on exact system or component (*does not necessarily disqualify application*):
 Please attach documentation regarding steps taken to resolve issues, if any.

State	Date Approved	Length of Use	Contact Person	Contact Information
N/A	N/A	N/A	N/A	N/A

Does the applicant own all rights to this equipment? YES NO (please explain):

Is any part of the system manufactured or assembled by another company? YES NO
 If yes, list part and manufacturer contact information:

Type of business or organization:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Partnership	<input type="checkbox"/> Individual
If a Corporation, state of incorporation:			
Authorized to do business in Montana	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
Maintain an office in Montana	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
Independently owned	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
If not independently owned, name and address of parent company:			

This application must include the following, when applicable: Please check the box if material is included with the application or indicate N/A if not applicable. If not included with this application, material must be supplied before testing is scheduled.

- 1. Completed Application
- 2. Documentation indicating federal qualification and date
- 3. Documentation from all independent test authorities which examined this system
- 4. Documentation from listed jurisdictions having granted/revoked certification of system or component
- 5. Documentation indicating executable image, source code, etc. are escrowed with approved ITA
 - Document granting Montana Secretary of State unrestricted access to escrow materials
- 6. Description of how the system or component is based on commonly accepted industry standards
- 7. Engineering drawings, schematics or flowcharts identifying software and data file relationships
- 7. Photographs of the system and functional description of software and components
- 8. Equipment durability statement and reliability estimate (must meet requirements of [ARM 44.3.1703](#))
- 9. Environmental requirements for storage, transportation and operation
- 10. Security measures recommended for securing the voting system before, during, and after an election, including recounts
- 11. Examples of how the system or component may be protected from tampering for a fraudulent purpose
- 12. Copies of contracts and maintenance agreements used in connection with the system or component
- 13. Type of maintenance agreements and levels offered by vendor and maintenance providers
 - List of current maintenance rates and schedule of anticipated rate increases
- 14. Applicable user, operator, maintenance, and training manuals
- 15. Troubleshooting guides and description of the most encountered poll worker issues and resolutions
- 16. List and description of training courses provided and available (including both on-and off-site training)
- 17. Copies of materials useful for instruction or information useful to electors at the polls
- 18. List of specific ballot styles and recommended ballot marking devices
- 19. Upgrade plan for existing customers – identify all customers and detail the plan for their upgrade
- 20. Procedure for notifying State about necessary and available system changes (ECO, ECN, etc.)

AFFIRMATION

In making application for the certification of the system or component listed; I affirm under the penalty for perjury that to the best of my knowledge and belief all the information contained in this application is true. I agree to reimburse the State of Montana for reasonable costs incurred by the Montana Election and Voter Services Division in evaluating the voting system.

Signature 	Title State Certification Manager	Date 6/7/2019
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Deliver Application To: Montana Secretary of State's Office Elections and Voter Services Division PO Box 202801 Helena, Montana 59620-2801	Direct Questions To: Montana Secretary of State's Office Dana Corson, Director of Elections and Voter Services Telephone: (406) 444-3334 Email: dcorson@mt.gov
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Applicable Montana Statute and Rules	
Montana Code Annotated Title 13, Chapter 17 http://leg.mt.gov/bills/mca/index.html	Administrative Rules of Montana Title 44, Chapter, 3, Subchapter 17 http://www.mtrules.org/

No application may be submitted to the Secretary of State later than 90 days prior to the date of the election at which the machines are proposed to be used.

ARM 44.3.1701(7) <http://www.mtrules.org/gateway/ruleno.asp?RN=44%2E3%2E1701>

Voting systems may not be used in an election unless approved by the secretary of state 60 days or more prior to the election at which they will be used.

MCA 13-17-101(3) http://leg.mt.gov/bills/mca/title_0130/chapter_0170/part_0010/section_0010/0130-0170-0010-0010.html

The secretary of state shall: within 30 days after examining the voting system, file a report of the examination in the secretary of state's office.

MCA 13-17-101(2)(b) http://leg.mt.gov/bills/mca/title_0130/chapter_0170/part_0010/section_0010/0130-0170-0010-0010.html

Updated: September 2017



State of Montana Certification Event Vendor Checklist Pursuant to Montana Code Annotated and Administrative Rules

Montana Secretary of State
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Vendor Checklist:	YES	NO	Not	Comments
The applicant shall guarantee to provide training and assistance to election officials included in each contract for purchase of a machine or device.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See personnel deployment & training program document located in TDP.
Voting system allows auditors to access and monitor any software program while it is running on the system to determine whether the software is running properly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See System functionality auditing procedures, and Hash validation docs located in TDP.
At least one fully operative system unit or set conforming to the description of the same contained in the application.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Viewed & demonstrated during event.
At least one copy of any brochures, pamphlets, and descriptive or sales material of any kind intended for use in promoting the same for use of such system in Montana.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Product Slides provided @ event.
Samples of any training aids supplied by the applicant for the use of election officials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Poll Worker and Admin Training guides located in TDP.
Where applicable sample ballots suitable for use in the system substantially in the form required by Montana law for a primary and general election in a year in which a president of the United States of America is to be elected. Such ballots for the general election sample shall also contain a ballot issue to be voted upon.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See SAMPLE ballots for Primary & General elections.
Copies of any other material required by law to be displayed at the polls, or useful for the instruction or information of electors at the polls.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See sample doc. for voting & polls provided in packet @ event.
If not contained in other materials, data on the extent of use and length of use of the system being examined in other jurisdictions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Final Test Report issued by EAC & provided on Disc @ event (in packet)



State of Montana Certification Event Vendor Checklist
Pursuant to Montana Code Annotated and Administrative Rules

Montana Secretary of State
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Vendor Checklist:	YES	NO	Not	Comments
<p>Voting machines or devices shall be constructed of materials sufficiently durable to withstand normal wear and tear due to usage, storage and transportation. It is the intent of this rule that the system shall have a useful life of ten years or more without major mechanical or electronic failure due solely to normal use, storage and transportation. Applicant shall submit data pertinent to this rule, if available.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p><i>Found in hardware specifications sheets located in folder #3 or TOP provided with application.</i></p>
<p>Such system shall be fully guaranteed as to parts and workmanship for a period of not less than two years from date of purchase, and the manufacturer shall be prepared to provide maintenance and repair service for such system at a rate to be agreed upon by the manufacturer, dealer or agent of either and the purchasing entity.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p><i>Found in hardware maintenance doc sent with application.</i></p>
<p>Each system or each component of any system shall remain operative and unimpaired in efficiency and accuracy in the physical and electrical environment normally found in polling places and other places used for election purposes, including places to which ballots are taken for purposes of tabulation.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p><i>Found in final test report sent with application.</i></p>
<p>The system shall be so constructed as to operate in atmospheric temperatures ranging from 65 to 90 degrees Fahrenheit.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p><i>Found in test report sent with application.</i></p>
<p>The system shall be so constructed as to operate without being affected by variations in the voltage or amperage of the power supply normally found in places where it is to be used.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p><i>Found in test report sent with application.</i></p>



State of Montana Certification Event Vendor Checklist
Pursuant to Montana Code Annotated and Administrative Rules

Montana Secretary of State
sos.mt.gov • soselections@mt.gov

Vendor Checklist:	YES	NO	Not	Comments
Any system utilizing photoelectric or photosensitive components shall be so constructed that it will operate in the presence of light intensity on the order of that caused by the use of flashbulbs or other lighting, whether intermittent or continuous, used for photographic purposes.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	During tabulation all hardware is covered and would not be affected or exposed to light intensity changes.
The manufacturer or his agent shall demonstrate the extent to which bending, folding or otherwise abusing a ballot or ballot card is possible without causing said ballot or ballot card to be unusable in the tabulating equipment. If more than one per cent of the ballots marked or pierced at the site of the examination shall be rejected by the tabulating equipment for such cause, such rejection shall be deemed a material cause for rejection of the system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This can be found in the ballot production guide which is a proprietary & confidential document and found in the TDP sent with application in folder #13.
If the system being examined uses a paper ballot which is to be marked with ink or other visible substance, the manufacturer or manufacturer's agent shall demonstrate the extent to which a mark may fail to cover the voting space, or fail to be in ideal position before the vote shall fail to be counted by the tabulating equipment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mark definition can be found in the scope of certification document provided w/ application, page 3.

Signature of Vendor Representative

Susan Parmer

Printed Name of Vendor Representative

Susan Parmer



State of Montana Certification Event Examiner Checklist
Pursuant to Montana Code Annotated and Administrative Rules

Montana Secretary of State
sos.mt.gov • soselections@mt.gov

Examiner Checklist:	YES	NO	Not Applicable	Comments
Examination is conducted by the office of the Secretary of State, who may choose at least two Montana electors to assist with the examination.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine permits and requires an elector to vote in secret.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine prevents an elector from voting for any candidate or upon any ballot issue more than once and prevents voting on any office or ballot issue for which elector is not entitled to vote.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine permits an elector to secretly select the party for which the elector wishes to vote in a primary election and the machine or device counts only votes for the candidates of that party by the elector in the primary election.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine permits an elector to vote a split ticket in a general election if the elector desires.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine registers and records every valid vote cast.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine is constructed so that during the progress of the voting no individual can see or know the number of votes registered for any candidate or on any ballot issue.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine allows write-in voting.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine provides that the ballot may be rotated as provided in 13-13-205, MCA, without substantially impairing the efficiency or accuracy of the tabulation of such rotated ballots.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
The machine uses a paper ballot that allows votes to be manually counted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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The system provides a mechanical or procedural means whereby an elector may cast a write-in vote for any person for any office, and whereby such elector shall be prevented from voting for another person for such office on the regular ballot.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Automatic tabulating equipment provides a visible or audible signal to the operator thereof in the following cases:				
If a ballot cannot be tabulated by the system due to a physical defect in the ballot, the machine signals rejection of the ballot.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If a ballot or part thereof has been overvoted because the elector has recorded vote intentions for a number of persons for an office in excess of the number elector is entitled to vote for, the ballot tabulation program and hardware has the ability to so record and display a summary of the ballot overvote conditions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Where applicable no device is approved if the act of voting by an elector does not produce a visible effect upon the ballot by application of a visible substance to the ballot.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
It has been determined that if levers or buttons of any description are used as the method of casting a ballot that such levers or buttons will produce a positive vote regardless if they are fully depressed or not.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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Where applicable a set of programmed ballots having a known count for each office or ballot issue listed thereon were provided, which count is declared before any test tabulation of said ballots is made.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A set of sample ballots, not less than 25 nor more than 100 in number, were marked or pierced at the site of the examination by a person present other than the applicant or his agent. Such set was tabulated no less than two nor more than five times. The failure of any subsequent tabulation to agree completely with the initial tabulation shall be deemed a material cause for rejection of the system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
By tabulation of the preprogrammed materials supplied under ARM 44.3.1702(1)(e), it was determined whether the tabulating apparatus will count accurately on no less than two nor more than five tabulations of the materials so supplied. Any difference in count on any tabulation of preprogrammed material shall be deemed a material cause for rejection of the system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
At least two of the ballots marked or pierced under ARM 44.3.1703(1)(b) contained a vote for one office in excess of the number of votes which an elector would be entitled to cast for such office. Failure of the machine to reject such ballot shall be deemed a material cause for rejection of the system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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A mark failing to cover the voting space, or failing to be in ideal position, shall not be counted by the tabulating equipment. Failure of the tabulating equipment to count a vote because of the condition of the mark shall be deemed a material cause for rejection if such mark would have been counted had the ballots been manually tabulated in accordance with voting system tabulation requirements.	X			
The machine shall comply with all other requirements of the election laws, so far as they are applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Signature of Examiner

Dayna Causby
B M
[Signature]
[Signature]

Monica R Eisinger
Debbie Pierson
Robert M. Christenson
Regina Plettenberg
Stephanie Verhasselt
[Signature]
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Printed Name of Examiner

Dayna Causby
Bradley Seaman
CROFT HAYES
Kyle Cordova
Monica R Eisinger
Debbie Pierson
Robert M. Christenson
Regina Plettenberg
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