

# WEST VIRGINIA LEGISLATURE

## 2022 REGULAR SESSION

**ENROLLED**

**House Bill 4438**

BY DELEGATES ESPINOSA, HOLSTEIN, BARRETT, CRISS,

WESTFALL, CLARK, HOUSEHOLDER, SUMMERS, HARDY,

KIMBLE AND FAST

[Passed March 9, 2022; in effect ninety days from passage.]

FILED

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SECRETARY OF STATE

HB 4438

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1 AN ACT to amend and reenact §3-4A-9 of the Code of West Virginia, 1931, as amended, relating  
2 to minimum requirements for electronic voting systems; and requiring electronic voting  
3 systems to be independent and nonnetworked with no component connected to the  
4 internet.

*Be it enacted by the Legislature of West Virginia:*

**ARTICLE 4A. ELECTRONIC VOTING SYSTEMS.**

**§3-4A-9. Minimum requirements of electronic voting systems.**

1 An electronic voting system of particular make and design may not be approved by the  
2 State Election Commission or be purchased, leased or used by any county commission unless it  
3 meets the following requirements:

4 (1) It secures or ensures the voter absolute secrecy in the act of voting or, at the voter's  
5 election, provides for open voting;

6 (2) It is constructed to ensure that, except in instances of open voting as provided in this  
7 section, the contents of a marked ballot may not be seen or known by anyone other than the voter  
8 who has voted or is voting;

9 (3) It permits each voter to vote at any election for all persons and offices for whom and  
10 which he or she is lawfully entitled to vote, whether or not the name of any person appears on a  
11 ballot as a candidate; and it permits each voter to vote for as many persons for an office as he or  
12 she is lawfully entitled to vote for; and to vote for or against any question upon which he or she is  
13 lawfully entitled to vote. The automatic tabulating equipment used in electronic voting systems is  
14 to reject choices recorded on any ballot if the number of choices exceeds the number to which a  
15 voter is entitled;

16 (4) It permits each voter to write in the names of persons for whom he or she desires to  
17 vote whose names do not appear upon the ballots;

18 (5) It permits each voter to change his or her vote for any candidate and upon any question  
19 appearing upon the ballots or ballot labels up to the time when his or her ballot is deposited in the  
20 ballot box or his or her ballot is cast by electronic means;

21 (6) It contains programming media containing sequentially numbered program instructions  
22 and coded or otherwise protected from tampering or substitution of the media or program  
23 instructions by unauthorized persons and capable of tabulating all votes cast in each election;

24 (7) It contains two standard validation test decks approved as to form and testing  
25 capabilities by the State Election Commission;

26 (8) It correctly records and counts accurately all votes cast for each candidate and for and  
27 against each question appearing upon the ballots;

28 (9) It permits a voter in a primary election to: (A) Vote only for the candidates of the party  
29 for which the voter is legally permitted to vote; (B) vote for the candidates, if any, for nonpartisan  
30 nominations or election; and (C) vote on public questions; and precludes the voter from voting for  
31 any candidate seeking nomination by any other political party unless that political party has  
32 determined that the voter may participate in its primary election;

33 (10) It, where applicable, is provided with means for sealing or electronically securing the  
34 vote-recording device to prevent its use and to prevent tampering with the device, both before the  
35 polls are open or before the operation of the vote-recording device for an election is begun and  
36 immediately after the polls are closed or after the operation of the vote-recording device for an  
37 election is completed;

38 (11) It has the capacity to contain the names of candidates constituting the tickets of at  
39 least nine political parties and accommodates the wording of at least 15 questions;

40 (12) (A) Direct-recording electronic voting machines must generate a paper copy of each  
41 voter's vote that will be automatically kept within a storage container that is locked, closely  
42 attached to the direct-recording electronic voting machine and inaccessible to all but authorized

43 voting officials, who will handle such storage containers and such paper copies contained therein  
44 in accordance with section nineteen of this article;

45 (B) The paper copy of the voter's vote shall be generated at the time the voter is at the  
46 voting station using the direct-recording electronic voting machine;

47 (C) The voter may examine the paper copy visually or through headphone readout, and  
48 may accept or reject the printed copy;

49 (D) The voter may not touch, handle or manipulate the printed copy manually in any way;

50 (E) Once the printed copy of the voter's votes is accepted by the voter as correctly  
51 reflecting the voter's intent, but not before, it will automatically be stored for recounts or random  
52 checks and the electronic vote will be cast within the computer mechanism of the direct-recording  
53 electronic voting machine;

54 (F) Direct-recording electronic voting machines with a mandatory paper copy shall be  
55 approved by the Secretary of State. The Secretary of State may promulgate rules and emergency  
56 rules to implement or enforce this subsection pursuant to the provisions of section five, article  
57 three, chapter twenty-nine-a of this code;

58 (13) Where vote-recording devices are used, they shall:

59 (A) Be durably constructed of material of good quality and in a workmanlike manner and  
60 in a form which makes it safely transportable;

61 (B) Bear a number that will identify it or distinguish it from any other machine;

62 (C) Be constructed to ensure that a voter may easily learn the method of operating it and  
63 may expeditiously cast his or her vote for all candidates of his or her choice and upon any public  
64 question; and

65 (D) Be accompanied by a mechanically or electronically operated instruction model which  
66 shows the arrangement of the ballot, party columns or rows and questions;

67 (14) For electronic voting systems that utilize a screen upon which votes may be recorded  
68 by means of a stylus or by means of touch, they shall:

69 (A) Be constructed to provide for the direct electronic recording and tabulating of votes  
70 cast in a system specifically designed and engineered for the election application;

71 (B) Be constructed to prevent any voter from voting for more than the allowable number  
72 of candidates for any office, to include an audible or visual signal, or both, warning any voter who  
73 attempts to vote for more than the allowable number of candidates for any office or who attempts  
74 to cast his or her ballot prior to its completion and are constructed to include a visual or audible  
75 confirmation, or both, to the voter upon completion and casting of the ballot;

76 (C) Be constructed to present the entire ballot to the voter, in a series of sequential pages,  
77 and to ensure that the voter sees all of the ballot options on all pages before completing his or  
78 her vote and to allow the voter to review and change all ballot choices prior to completing and  
79 casting his or her ballot;

80 (D) Be constructed to allow election commissioners to spoil a ballot where a voter fails to  
81 properly cast his or her ballot, has departed the polling place and cannot be recalled by a poll  
82 clerk to complete his or her ballot;

83 (E) Be constructed to allow election commissioners, poll clerks or both to designate, mark  
84 or otherwise record provisional ballots;

85 (F) Consist of devices which are independent, nonnetworked voting systems in which each  
86 vote is recorded and retained within each device's internal nonvolatile electronic memory and  
87 contain an internal security, the absence of which prevents substitution of any other device;

88 (G) Store each vote in no fewer than three separate, independent, nonvolatile electronic  
89 memory components and that each device contains comprehensive diagnostics to ensure that  
90 failures do not go undetected;

91 (H) Contain a unique, embedded internal serial number for auditing purposes for each  
92 device used to activate, retain and record votes;

93           (I) Be constructed to record all pre-election, election and post-election activities, including  
94 all ballot images and system anomalies, in each device's internal electronic memory and are to  
95 be accessible in electronic or printed form;

96           (J) Be constructed with a battery backup system in each device to, at a minimum, prevent  
97 the loss of any votes, as well as all pre-election, election and post-election activities, including all  
98 ballot images and system anomalies, stored in the device's internal electronic memory and to  
99 allow voting to continue for two hours of uninterrupted operation in case of an electrical power  
100 failure; and

101           (K) Be constructed to prevent the loss of any votes, as well as all pre-election, election  
102 and post-election activities, including all ballot images and system anomalies, stored in each  
103 device's internal electronic memory even in case of an electrical and battery power failure.

104           (15) For purposes of this section, all voting systems utilized in any election shall be  
105 independent, nonnetworked voting systems, and any component thereof, in whole or in part, shall  
106 not at any time connect to the internet.

The Joint Committee on Enrolled Bills hereby certifies that the foregoing bill is correctly enrolled.

*Sean Jeffries*  
.....  
Chairman, House Committee

*Mark Sparyn*  
.....  
Chairman, Senate Committee

Originating in the House.

In effect ninety days from passage.

*Steve Hovine*  
.....  
Clerk of the House of Delegates

*Joe Linn*  
.....  
Clerk of the Senate

*Les Hunter*  
.....  
Speaker of the House of Delegates

*C. P. Burt*  
.....  
President of the Senate

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SECRETARY OF STATE

The within *is approved* this the *28th*  
*March*  
day of ....., 2022.

*James Justice*  
.....  
Governor

PRESENTED TO THE GOVERNOR

MAR 24 2022

Time 10:53am