

## VIRGINIA ACTS OF ASSEMBLY — CHAPTER

*An Act to amend and reenact § 24.2-629 of the Code of Virginia, relating to elections; certification of voting equipment.*

[S 536]

Approved

**Be it enacted by the General Assembly of Virginia:****1. That § 24.2-629 of the Code of Virginia is amended and reenacted as follows:**

§ 24.2-629. Authorized use of electronic systems and ballots.

A. Any person, firm, or corporation hereinafter referred to as the "vendor," manufacturing, owning, or offering for sale any electronic voting or counting system and ballots designed to be used with such equipment may apply to the State Board, in the manner prescribed by the Board, to have examined a production model of such equipment and the ballots used with it. The Board may require the vendor to pay a reasonable application fee when he files his request for testing or certification of new or upgraded voting equipment. Receipts from such fees shall be credited to the Board for reimbursement of testing and certification expenses. In addition to any other materials that may be required, a current statement of the financial status of the vendor, including any assets and liabilities, shall be filed with the Board; if the vendor is not the manufacturer of the equipment for which application is made, such a statement shall also be filed for the manufacturer. These statements shall be exempt from the provisions of the Virginia Freedom of Information Act (§ 2.2-3700 et seq.). The Board shall require, at a site of its choosing, a demonstration of such system and ballots and may require that a production model of the system and a supply of ballots be provided to the Board for testing purposes. The Board shall also require the vendor to provide documentation of the practices recommended by the vendor to ensure the optimum security and functionality of the system.

B. The provisions of this title pertaining to mechanical voting devices and ballots shall be deemed applicable to such equipment and ballots provided that (i) the counting equipment used with punchcard or mark sense ballots shall not be required to prevent a voter from voting for a greater number of candidates than he is lawfully entitled to; (ii) the provisions of this title pertaining to ballot squares shall not be applicable to punchcard or mark sense ballots; and (iii) any system approved pursuant to this title shall segregate ballots containing write-in votes from all others. Every electronic voting system shall ensure voting in absolute secrecy, and systems requiring the voter to vote a ballot that is inserted in an electronic counting device shall provide for secrecy of the ballot and a method to conceal the voted ballot. Systems requiring the voter to vote a ballot that is inserted in an electronic counting device shall report, if possible, the number of ballots on which a voter voted for a lesser number of candidates for an office than the number he was lawfully entitled to vote and the number of ballots on which a voter voted for a greater number of candidates than the number he was lawfully entitled to vote. Electronic voting devices shall be programmable, if possible, to allow such undervoted and overvoted ballots to be separated when necessary.

B1. The system shall provide the voter with an opportunity to correct any error before a permanent record is preserved.

C. After its examination of the equipment, ballots, and other materials submitted by the vendors, the Board shall prepare and file in its office a report of its finding as to (i) the apparent capability of such equipment to accurately count, register, and report votes; (ii) whether the system can be conveniently used without undue confusion to the voter; (iii) its accessibility to voters with disabilities; (iv) whether the system can be safely used without undue potential for fraud; (v) the ease of its operation and transportation by voting equipment custodians and officers of election; (vi) the financial stability of the vendor and manufacturer; (vii) whether the system meets the requirements of this title; (viii) whether the system meets federal requirements; ~~and~~ (ix) *whether issues of reliability and security identified with the system by other state governments have been adequately addressed by the vendor*; and (x) whether, in the opinion of the Board, the potential for approval of such system is such as to justify further examination and testing.

D. If the Board determines that there is such potential and prior to its final determination as to approval or disapproval of such system, the Board shall obtain a report by an independent electronics or engineering consultant as to (i) whether the system accurately counts, registers, and reports votes; (ii) whether it is capable of storing and retaining existing votes in a permanent memory in the event of power failure during and after the election; (iii) the number of separate memory capabilities for the storage of recorded votes; (iv) its mechanical and electronic perfections and imperfections; (v) the audit

57 trail provided by the system; (vi) the anticipated frequency of repair; (vii) the ease of repair; (viii) the  
58 anticipated life of the equipment; (ix) its potential for fraudulent use; (x) its accessibility to voters with  
59 disabilities; (xi) the ease of its programming, transportation, and operation by voting equipment  
60 custodians and officers of election; and (xii) any other matters deemed necessary by the Board. Failure  
61 by an applicant to cooperate with the consultant by furnishing information and production equipment  
62 and ballots requested shall be deemed a withdrawal of the application, but nothing in this section shall  
63 require the disclosure of trade secrets by the applicant. If such trade secrets are essential to the proper  
64 analysis of the system and are provided for that reason, the consultant shall subscribe to an oath subject  
65 to the penalty for perjury that he will neither disclose nor make use of such information except as  
66 necessary for the system analysis. The report of the consultant shall be filed in the office of the Board.

67 *D1. In preparing the reports cited in subsections C and D, the Board shall require, as a condition*  
68 *of certification, that the system is comprehensively examined by individuals including at least one expert*  
69 *in election management and one in computer system security. The Board shall develop, in conjunction*  
70 *with the above listed individuals, a specific set of items to be examined and tested as part of the*  
71 *certification process to further elaborate on the requirements identified in this section.*

72 E. If the Board determines that there is potential for approval of the system and prior to its final  
73 determination, the Board shall also require that the system be tested in an actual election in one or more  
74 counties or cities. Its use at such election shall be as valid for all purposes as if it had been legally  
75 approved by the Board and adopted by the counties or cities.

76 F. If, following testing, the Board approves any electronic system and its ballots for use, the Board  
77 shall so notify the electoral boards of each county and city. Systems so approved may be adopted for  
78 use at elections as herein provided. No form of electronic system and ballots not so approved shall be  
79 adopted by any county or city. Any electronic system and ballots approved for use by the Board shall  
80 be deemed to meet the requirements of this title and any applicable federal laws, and their use in any  
81 election shall be valid.

82 G. A vendor whose electronic system is approved for use shall provide annual updates to the State  
83 Board concerning its recommended practices for optimum security and functionality of the system. Any  
84 *product for which annual updates are not provided shall be deemed non-compliant and may be*  
85 *decertified at the discretion of the Board.*

86 *H. The Board shall have the authority to investigate, at its discretion, any voting system certified in*  
87 *Virginia to ensure that it continues to meet the standards outlined in subsections C and D. The Board*  
88 *may, at its discretion, decertify any voting system based on significant problems detected with the voting*  
89 *system in Virginia or on reports provided by federal authorities or other state election officials.*