

New Mexico Election Code Voting System Requirements

Voting Systems used for casting and counting ballots in the state shall meet all outlined requirements in Article 9 of the election code as follows:

1-9-7.7. Voting systems; technical requirements.

Voting systems certified for use in state elections shall:

- A. have a unique embedded internal serial number for audit purposes;
- B. be supplied with a dust- and moisture-proof cover for transportation and storage purposes;
- C. if the net weight of the system, or aggregate of voting device parts, is over twenty pounds, have self-contained wheels so that the system can be easily rolled by one person on rough pavement and can roll through a standard thirty-inch door frame;
- D. be a stand-alone, non-networked election system such that all pre-election, election day and post-election events and activities can be recorded and retained in each device;
- E. employ scalable technology allowing easy enhancements that meet United States election assistance commission standards and state law;
- F. have ancillary equipment, such as printers, power sources, microprocessors and switch and indicator matrices, that is installed internally or is modular and transportable;
- G. display publicly the number of ballots processed;
- H. be able to print:
 - (1) an alphanumeric printout of the contests, candidates and vote totals when the polls are opened so that the poll workers can verify that the counters for each candidate are on zero;
 - (2) an alphanumeric printout of the contests, candidates and vote totals at the close of the polls, which printouts shall contain the system serial number and public counter total; and
 - (3) as many copies of the alphanumeric printouts as necessary to satisfy state law; and
- I. include a feature to allow reports to be sent to an electronic data file.

1-9-7.8. Voting systems; operational requirements.

Voting systems certified for use in state elections shall:

- A. have internal application software that is specifically designed and engineered for the election application;
- B. include comprehensive diagnostics designed to ensure that failures do not go undetected;
- C. have a real-time clock capable of recording and documenting the total time polls are opened; and

D. have a self-contained, internal backup battery that powers all components of the system that are powered by alternating current power; and, in the event of a power outage in the polling place:

(1) the self-contained, internal backup battery power shall engage with no disruption of operation for at least two hours and with no loss of data; and

(2) the system shall maintain all vote totals, public counter totals and the internal clock time in the event that the main power and battery backup power fail.

1-9-7.9. Voting systems; memory; removable storage media device; requirements.

Voting systems certified for use in state elections shall:

A. be programmable with removable storage media devices;

B. contain ballot control information, summary vote totals, maintenance logs and operator logs on the removable storage media device;

C. ensure that the votes stored on the removable storage media device accurately represent the actual votes cast;

D. be designed so that no executable code can be launched from random access memory;

E. have any operating system software stored in nonvolatile memory, which shall include internal quality checks such as parity or error detection and correction codes, and which software shall include comprehensive diagnostics to ensure that failures do not go undetected;

F. allow for pre-election testing of the ballot control logic and accuracy, with results stored in the memory that is used on election day, and shall be capable of printing a zero-results printout prior to these tests and a results printout after the test;

G. have internal audit trail capability such that all pre-election, election day and post-election events shall be stored, recorded and recovered in an easy-to-read printed form and be retained within memory that does not require external power for memory retention;

H. possess the capability of remote transmission of election results to a central location only by reading the removable storage media devices once they have been removed from the tabulation device after the poll closing sequence has been completed; and

I. prevent data from being altered or destroyed by report generation or by the transmission of results.

1-9-7.10. Voting systems; ballot handling and processing requirements.

Voting systems certified for use in state elections shall:

A. accept a ballot that is a minimum of six inches wide and a maximum of twenty-four inches long, in dual columns and printed on both sides;

B. accept a ballot in any orientation when inserted by a voter;

C. have the capability to reject a ballot on which a voter has made more than the allowable number of selections in any contest;

- D. be designed to accommodate the maximum number of ballot styles or ballot variations encountered in the largest New Mexico election jurisdiction; and
- E. be able to read a single ballot with at least four hundred twenty voting positions.

1-9-7.11. Voting systems; source code; escrow.

As a condition of initial certification and continued certification, the source code that operates a voting system shall be placed in escrow and be accessible to the state of New Mexico in the event the manufacturer ceases to do business or ceases to support the voting system.