



ELECTION PROTECTION **YOU HAVE THE RIGHT TO VOTE**

1-866-OUR-VOTE

Electronic Voting Machine Information Sheet

Microvote Infinity

Name / Model: Microvote Infinity

Vendor: MicroVote General Corporation

Federally-Qualified Voter-Verified Paper Audit Trail Capability: None



[image from manufacturer's website: <http://www.microvote.com/products.htm>]

Brief Description: The Microvote Infinity is a direct-recording electronic (DRE) voting machine. Unlike many DREs now in use, the Infinity is a push-button, rather than a touch screen, voting machine. This system is used in Indiana and Tennessee.

Voting on the Microvote Infinity: The voter makes each candidate selection by pressing the gray button beside a candidate's name. An "X" will then appear next to the candidate's name. If the voter wishes to change her selection, she presses the button next to the candidate's name a second time, which de-selects the candidate. The voter navigates through the ballot by pressing a "Next Page" button on the lower right of the display panel, and can review her ballot by pressing a "Previous Page" button on the lower left of the panel. To cast a write-in vote, the voter presses the gray write-in selection button, and then presses the buttons next to the letters in the candidate's name. When the voter is ready to cast her vote, she presses a red "Cast Vote" button on the right side of the display panel.¹

If a voter is using a wheelchair or does not believe she will be able to stand at the machine long enough to complete the voting process, the Infinity display panel can detach, and the voter can

¹ How to Cast Your Vote with Microvote Infinity. Office of the Tennessee Secretary of State. http://tn.gov/sos/election/voting_systems/microvote.pdf



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hold the panel in her lap. For voters with vision disabilities, the Infinity has an audio functionality called DoubleTalk. The DoubleTalk module is connected to the Infinity's communications port before the pollworker inserts the voter card. A voter may bring her own headphones to use, or use the headphones supplied with the DoubleTalk module. The DoubleTalk module will instruct the voter on how to navigate through her ballot using the same buttons used by all voters.²

Things to Look Out For

- Security Seals. Ideally, the Infinity's exposed ports, memory card access areas and case seams would be covered with tamper-evident security seals. The integrity of these seals should be maintained at all times, and only breached under controlled, explained circumstances. A voided seal looks like this:
<http://www.flickr.com/photos/joebeone/2247733620/> . Seals should be logged to maintain chain of custody of sensitive materials.
- The Infinity has exterior communication ports (RJ45, like Ethernet connectors) that may or may not be sensitive. Unfortunately, there has been no publicly disclosed independent evaluation of the Infinity, so it is difficult to say if an attacker could connect to the terminal via these ports. Ideally, these ports would be covered or disabled during voting.
- The Infinity uses an 8MB CompactFlash card to store vote data. If this card is easily accessible, it could be a sensitive area of the Infinity. Unfortunately, we are uncertain as to how the CompactFlash card is inserted and removed from the Infinity.

References

Useful system information on the Infinity is available here: MicroVote General Corporation Election Management System (EMS) Voting System v. 4.0.0 VSTL Certification Test Plan. (2007). iBeta Quality Assurance. Retrieved October 24, 2008, from http://www.eac.gov/voting%20systems/docs/certification-docs-vstl-test-plan_emsv-4-0-0-v-2-0.pdf/attachment_download/file .

² Voting System Training Video: Infinity by Microvote. Office of the Indiana Secretary of State. Available at: <http://www.in.gov/sos/elections/hava/pollworkertraining.html>