



# Accessible and Verifiable Voting Technology: Cognitive

The latest version of this chart appears at <http://www.verifiedvotingfoundation.org/accesscharts>

<u>Vendor</u>	<u>Model</u>	<u>Synched Audio &amp; Video</u>	<u>Help Button</u>	<u>Language Translations</u>	<u>Additional Features</u>	<u>All Units Accessible</u>	<u>VVPR on All?</u>
<a href="#">AccuPoll</a>	<a href="#">AVS 1000</a> <sup>1</sup>	yes <sup>1</sup>	yes <sup>2</sup>	yes <sup>3</sup>	-	yes	always
<a href="#">AutoMARK (ES&amp;S)</a>	<a href="#">ballot marking device</a> <sup>4</sup>	yes <sup>5</sup>	-	yes <sup>6</sup>	-	yes	always
<a href="#">Avante</a>	<a href="#">Vote Trakker</a> <sup>7</sup>	no <sup>8</sup>	no <sup>2</sup>	yes <sup>7</sup>	-	yes	always
<a href="#">Avante</a>	<a href="#">Vote Trakker Full Face</a> <sup>9</sup>	no <sup>10</sup>	no <sup>2</sup>	yes <sup>9</sup>	-	yes	always
<a href="#">Diebold</a>	<a href="#">AccuVote TS</a> <sup>11</sup>	no <sup>8</sup>	no <sup>12</sup>	yes <sup>11</sup>	-	no	optional
<a href="#">Diebold</a>	<a href="#">AccuVote TSX</a> <sup>13</sup>	-	-	yes <sup>13</sup>	-	no	optional
<a href="#">ES&amp;S</a>	<a href="#">iVotronic</a> <sup>14</sup>	no <sup>8</sup>	no <sup>2</sup>	yes <sup>15</sup>	-	no	optional
<a href="#">ES&amp;S</a>	<a href="#">iVotronic LS</a> <sup>16</sup>	-	yes <sup>16</sup>	yes <sup>16</sup>	full-face ballot	no	optional
<a href="#">Hart Intercivic</a>	<a href="#">eSlate</a> <sup>17</sup>	yes <sup>8</sup>	yes <sup>2</sup>	yes <sup>18</sup>	-	no	optional
<a href="#">Populex</a>	<a href="#">Digital Paper Ballot</a> <sup>19</sup>	yes <sup>20</sup>	-	-	-	no	optional
<a href="#">Sequoia</a>	<a href="#">AVC Edge</a> <sup>21</sup>	no <sup>8</sup>	yes <sup>2</sup>	yes <sup>22</sup>	-	no	optional

### ***Key to Cognitive Chart:***

- A. "Synched Audio & Video" = When the voter uses the audio option, text will appear on the screen at the same time it is played through the audio.
- B. "Help Button" = A button on the voting machine, usually labeled help, that voters can press to call a poll worker for assistance.
- C. "Language Translations" = A language translation option for voters who speak languages other than english. Regardless of the language, candidate names shall be displayed or pronounced in English on all ballots. For written languages that do not use Roman characters, the ballot shall include transliteration of candidate names into the relevant language.

### **Footnotes for Cognitive Chart:**

1. <http://www.accupoll.com/TheAccuPollAdvantage/Brochures/accessibility.pdf>
2. [http://www.capc.umd.edu/rpts/md\\_evote\\_ContempVotingMach.pdf](http://www.capc.umd.edu/rpts/md_evote_ContempVotingMach.pdf) p.9
3. <http://www.accupoll.com/TheAccuPollAdvantage/Brochures/avs1000.pdf> p.2
4. <http://www.essvote.com/HTML/docs/AutoMark.pdf> (Note: Although some maintain that ballot-marking devices are not accessible to mobility-impaired and dexterity-impaired individuals due to the need to move the paper ballot from the device to the secure ballot box, in most areas election workers insert the ballots into the ballot box for all voters, and since it is possible to use privacy sleeves to maintain ballot secrecy for all voters, the ballot-marking devices provide as much accessibility to mobility-impaired and dexterity-impaired voters as to all other voters.)
5. <http://vote.nist.gov/NISTEACResaultitest.pdf>
6. <http://www.essvote.com/HTML/products/automark.html>
7. <http://www.vote-trakker.com/White%20Papers/ACCESSIBLE%20VOTING%20with%20voter%20verifiable%20paper%20records%20in%20DRE%20Voting%20System.pdf> and [http://www.vote-trakker.com/accessible\\_optical\\_voting.html](http://www.vote-trakker.com/accessible_optical_voting.html)
8. <http://www.cvfieldsmbp.org/Voting%20Technology%20for%20People%20With%20Disabilities.pdf> p. 42
9. <http://www.vote-trakker.com/White%20Papers/fullfaceballottouchscreensystem.pdf> and [http://www.vote-trakker.com/accessible\\_optical\\_voting.html](http://www.vote-trakker.com/accessible_optical_voting.html)
10. Email letter from Rick Gleim of Avante, August 1, 2005.
11. [http://www6.diebold.com/dieboldes/accuvote\\_ts.htm](http://www6.diebold.com/dieboldes/accuvote_ts.htm)

12. <http://www.cs.umd.edu/~bederson/voting/umd-dre-report.pdf>
13. [http://www6.diebold.com/dieboldes/accuvote\\_tsx.htm](http://www6.diebold.com/dieboldes/accuvote_tsx.htm)
14. <http://www.essvote.com/HTML/docs/iVotronic.pdf>
15. [http://www.srlections.com/ivotronic/ivotronic\\_details.htm](http://www.srlections.com/ivotronic/ivotronic_details.htm)
16. [http://www.essvote.com/HTML/docs/ESS\\_iVotronic\\_LS.pdf](http://www.essvote.com/HTML/docs/ESS_iVotronic_LS.pdf)
17. [http://www.hartintercivic.com/files/accessible\\_DLA\\_12\\_rev.pdf](http://www.hartintercivic.com/files/accessible_DLA_12_rev.pdf)
18. [http://www.uhavavote.org/vendorfair/survey\\_results/hart\\_4.5.doc](http://www.uhavavote.org/vendorfair/survey_results/hart_4.5.doc) p.1
19. <http://www.populex.com/dfb.htm>
20. Missouri Assistive Technology Council (<http://www.at.mo.gov/>) accessibility comparison table created by Diane Cordry Golden, Spring 2005.
21. <http://www.sequoiaivote.com/docs/AVCEdge.pdf>
22. <http://www.acb.org/resources/votingbook1.html#ar14> Sequoia AVC Edge factsheet

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