



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

Key to Cognitive Chart:

- A. "Simple Directions" = Easy to read and understand instructions for operation of the voting system.
- B. "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.
- C. "Help Button" = A button on the voting machine, usually labeled help, that voters can press to call a poll worker for assistance.
- D. "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 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://www.automarkts.com/> under tutorial under ?instructions?
6. <http://vote.nist.gov/NISTEACResaultest.pdf>
7. <http://www.essvote.com/HTML/products/automark.html>
8. <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
9. <http://www.cvfieldsmbp.org/Voting%20Technology%20for%20People%20With%20Disabilities.pdf> p. 42

10. <http://www.vote-trakker.com/White%20Papers/fullfaceballottouchscreensystem.pdf> and http://www.vote-trakker.com/accessible_optical_voting.html
11. Email letter from Rick Gleim of Avante, August 1, 2005.
12. http://www6.diebold.com/dieboldes/accuvote_ts.htm
13. <http://www.cs.umd.edu/~bederson/voting/umd-dre-report.pdf>
14. http://www6.diebold.com/dieboldes/accuvote_tsx.htm
15. <http://www.essvote.com/HTML/docs/iVotronic.pdf>
16. http://www.srlections.com/ivotronic/ivotronic_details.htm
17. http://www.essvote.com/HTML/docs/ESS_iVotronic_LS.pdf
18. http://www.hartintercivic.com/files/accessible_DLA_12_rev.pdf
19. http://www.uhavavote.org/vendorfair/survey_results/hart_4.5.doc p.1
20. <http://www.sequoiaivote.com/docs/AVCEdge.pdf>
21. <http://www.acb.org/resources/votingbook1.html#ar14> Sequoia AVC Edge factsheet

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