

Key Does well, no issues 10 Some issues, does ok 0 Many issues/does not do. -10	lever machines	score	Seguoia - AVC Advantage	score	Electec - Danaher Control ELECTronic 1242	score	Hart Intercivic eSlate	score	ES&S ivotronic	score	Premier AccuVote-TSX	score	paper ballot Optical scan, w/automark device	score
Type	mechanical lever		full faced , electronic emulation of lever machines		full faced , electronic emulation of lever machines		DRE		DRE		DRE		paper with optical scan	
Accuracy	proved accurate	10		10	has 10+ years history	10	no long term history	10	no long term history	0	no long term history	0	has 10+ years history	10
Reliability	proved reliable	10		10	has 10+ years history	10	no long term history	10	no long term history	0	no long term history	0	has 10+ years history	10
Cost per voting station		0		0		0	DRE needed at each station plus a central controller, plus special handicap unit.	-10	dre needed at each station		dre needed at each station		cheapest, most flexible set ups, only 2 machines required (scanner and ballot marker)	10
Voter Verifiable paper trail	not possible	-10	possible - will slow down voting,	0	not possible	-10	possible - will slow down voting, reability of confirmation and process not proven.	0	possible - will slow down voting, reability of confirmation and process not proven.	0	possible - will slow down voting, reability of confirmation and process not proven.	0	yes	10
Error detection and handling	Limited visual indication of under vote, prevented over vote. Casting vote require moving large lever	0	Limited visual indication of under vote, prevented over vote.	0	Good visual indication of under vote (blinking light), prevented over vote. Possible to hit vote button before ready to cast vote.	0	Clear indication of under/overvote, check to ensure ready to cast vote	10	Clear indication of under/overvote, check to ensure ready to cast vote	10	Clear indication of under/overvote, check to ensure ready to cast vote	10	Limited visual clues, does not protect against over voting, if a mistake, will need a new ballot.	-10
Impact on voter if unit fails	no replacement	-10	spares can be made vailable after some time (1- 2 hours?)	0	spares can be made vailable after some time (1- 2 hours?)	0	if central controller fails then no voting at precinc until replaced. If station fails, spares can be made vailable after some time (1- 2 hours?)	-10	spares can be made vailable after some time (1- 2 hours?)	0	spares can be made vailable after some time (1- 2 hours?)	0	No unit to fail - unless ballot marker for disabled.	10
Possible for vote to be lost	not likley	10	3-4 redundant counts, so unlikley	10	8 redundant counts, so unlikley	10	3-4 redundant counts, so unlikley	10	some redundancy	0	some redundancy	0	proteted with proper serial numbers on ballots	10
At polls, Security/Tamperproof Ease of Use	possible to compromise a machines	0	difficult	0	difficult	0	can attack machines with magnets, or impact touch screen with liquids reentering machine inoperable.	0	can attack machines with magnets, or impact touch screen with liquids reentering machine inoperable.	0	can attack machines with magnets, or impact touch screen with liquids reentering machine inoperable.	0	would need to damage the ballot boxes for any impact. Ballot serial numbers protect against tampering	10
Able bodied	can be confusing	0	like a lever machines layout	10	like a lever machines layout	10	odd interface, click wheel - but ipod like. Reported to be confusing.	0	ATM like	10	ATM like	10	depends on ballot layout	0
eyesight	can be difficult to see	-10	large font/ballot layout can be large	0	large font/ballot layout can be large, headsets	0	limited font size, has audio, and braille	0	font size customizable, audio ballot available	0	voter can select font size and color, adio and alternate controls	10	Automark provide full HAVA compliance	0
wheel chair	extremely difficult	-10	adjusts for wheel chair	10	adjust for wheel chair	10	special station required	10	station accomidates	0	tilts and canbe placed in lap	10	many options, clipboard, table.	0
limited hand/arm		-10	need special equipment	0	need special equipment	0	need special equipment	0	need special equipment	0	need special equipment	0	Automark provide full HAVA compliance	0
support of write in ballots Counting	difficult, error prone	-10	difficult, error prone	-10	difficult, error prone, no stickers	-10	type in	-10	type in	0	type in	0	write it in	0

Key Does well, no issues 10 Some issues, does ok 0 Many issues/does not do. -10	lever machines	Seguioia - AVC Advantage	Electec - Danaher Control ELECTronic 1242	Hart Intercivic eSlate	ES&S ivotronic	Premier AccuVote-TSX	paper ballot Optical scan, w/automark device							
speed	slow - read off the back of the mahcines	- 10	prints out a talley, recorded onto "chip" for central coutning	10	prints out a talley, recorded onto "chip" for central coutning	10	prints out a talley, recorded onto "chip" for central coutning	10	optical scan prints out talley	10				
accuracy	proven reliable	10	unknown statistics	0	unknown statistics	0	unknown statistics	0	proven reliable, and recountable	10				
recount of machine	easy, look in the back of the machine	0	paper tape, recheck	0	paper tape, recheck	0	paper tape, recheck	0	easy, check paper tape	0				
recount of voter intent	can't do it	10	can't do it	10	can't do it	10	can't do it	10	can do	0				
poll worker ease of use training	little needed	10	some	0	some	0	some	0	some	0				
opening	simple, unseal it, verify counters	10	simple, extra time to print out each stations zero counts multiple times	0	simple, extra time to print out each stations zero counts multiple times	0	simple, extra time to print out each stations zero counts multiple times	0	simple, single scanner only station that needs to print out zero counts	10				
voting	verify ballot of person, then set machine	0	verify ballot of person, then set machine	0	verify ballot of person, then set machine	0	verify ballot of person, then set machine	0	4 digit pin handed at sign in will machine operator issue with confirming the party	10	program smart card ot set ballot, vision settings, disability settings	0	need to be sure person gets proper paper ballot, and they feed it to scanner/ or return it to ballot box.	0
closing	read ballot positions off the back or each machine	0	simple, extra time to print out each stations counts multiple times	0	simple, extra time to print out each stations counts multiple times	0	simple, extra time to print out each stations counts multiple times	0	simple, extra time to print out each stations counts multiple times	0	simple, single scanner only station that needs to print out counts	10		
handling of station	heavy, difficult	10	simple	10	simple	10	simple	10	connecting the precint counter with other stations limits flexibility of setup	0	simple	10	simple	10
Misc														
Potential setup issues (accidental or deliberate)	ballots and lever positions easy to match	10	possible to have front face mapped to incorrec talley position, electronic device	0	possible to have front face mapped to incorrec talley position	0	a computer, complex multiple failure points possible, mistake can be propagated across many machines	0	a computer, complex multiple failure points possible, mistake can be propagated across many machines	0	a computer, complex multiple failure points possible, mistake can be propagated across many machines	0	simple - its paper perception that paper is old tech proven	10
issues lifespan	scrap metal proven	0	older tech proven	0	trust of new tech proven	10	trust of new tech unknown	0	trust of new tech unknown	0	trust of new tech unknown	0	paper is old tech proven	10
Cost														
Procurement														
Cost of each election	print ballot, config each	0	print ballot, config each	0	print ballot, config each	0	programming	0	programming	0	programming	0	printing costs	-10
Experience in PA			Montgomery County, selected by Northampton	0	Monroe	0	Lancaster, Bedford	0	Luzerne, Wyoming	0	Pike	0		
Known issues			very few issues found	0	a few issues found nation wide,many uncertainties, limited real world experience.	10	a few issues found nation wide,many uncertainties, limited real world experience.	0	a few issues found nation wide,many uncertainties, limited real world experience.	0	a few issues found nation wide	0	a few issues found nation wide	0
comments	If a problem found after votes entered, no way to know intend of voter as.		If a problem found after votes entered, no way to know intend of voter as.		If a problem found after votes entered, no way to know intend of voter as.		If a problem found after votes entered, no way to know intend of voter as.		If a problem found after votes entered, no way to know intend of voter as.		If a problem found after votes entered, no way to know intend of voter as.			
<b>SCORE</b>		-10		70		50		30		40		50		120