OHIO ELECTRONIC POLLBOOK REQUIREMENTS MATRIX

FOR USE BY INDEPENDENT TESTING AUTHORITY

NAME OF PRODUCT AND MANUFACTURER:	ACCEPTABLE/ COMPLETE	UNACCEPTABLE /INCOMPLETE	COMMENTS
System Requirements:			
E-pollbook has been tested by an independent testing authority recognized by the National Institute of Standards and Technology (NIST) as meeting or exceeding the minimum requirements established for use in Ohio.			
E-pollbook is compatible with: • voter registration system used by the county and any software system (middle ware) used to prepare the list of voters for the equipment; • attached hardware – e.g., signature pads, barcode scanners, printers, and network cards; and • Statewide Voter Registration Database (SWVRD)			
All information contained on the e-pollbook is encrypted.			
E-pollbook has capability to: • store a local version of the voter registration database to serve as a backup; and • produce a list of audit records that reflect all actions of the system, including in-process audit records that display all transactions.			
E-pollbook is capable of providing secure, reliable transmission of voter and election information to board of elections.			

	E-pollbook must be able to transmit all information generated by the voter, including the time and date stamp indicating when the voter voted and the electronic signature of the voter, for retention by the county board of elections.			
	If the e-pollbook is networked with the county voter file, the data contained in the voter file for the network must be located on a private server with secure connectivity between the voting location and the county voter file.			
	E-pollbook must have the capability to interface with a peripheral signature pad, tablet, or other signature capturing device that permits the voter to make an electronic signature for comparison with the signature on file as displayed by the e-pollbook.			
	E-pollbook must have the ability to manage any known implementation of an Ohio election – i.e., general, primary, special, municipal, and concurrent (when both a county and municipality are holding an election on the same date at the same polling location).			
	E-pollbook must be capable of searching the county's list of voters, streets, precinct, and voting locations to determine a voter's correct precinct and polling location. If the voter is not eligible to vote at precinct and polling location where the voter has appeared, the e-pollbook must be able to generate a locally-configurable notice containing the name and location of the voter's precinct that may be given to the voter.			

E-pollbook must include a barcode or magnetic strip reader that is capable of reading instantaneously the information contained in the magnetic strip of an Ohio driver's license or state identification card. E-pollbook must be able to display the voter's registration record to the precinct election official upon reading the information contained in the barcode or magnetic strip of the driver's license or state identification card.			
E-pollbook must permit a precinct election official to enter information regarding an elector who appears to vote and to verify whether the elector is eligible to vote and whether the elector: • already cast a ballot in the election at a polling place; • requested an absentee ballot; • is in confirmation status that requires a voter to cast a provisional ballot; or • has his/her voter registration record marked due to another special circumstance under Ohio law (e.g., a 17-year –old voter).			
After a voter's eligibility has been determined, the e-pollbook must permit a precinct election official to enter information indicating that the voter has voted in the election, and, when applicable, the ballot type selected by the voter.			
E-pollbook must permit a voter to sign the pollbook/poll list during an interruption in network connectivity.			

E-pollbook must be capable of uploading each signature and its assignment to the voter's registration record.			
E-pollbook must be capable of generating a locally-configurable "authority to vote" notice or transmittal slip that displays the voter's party (if relevant), voting jurisdiction(s), and/or districts and/or ballot style.			
E-pollbook must be capable of generating a locally-configurable report to be exported at least 3 times per Election Day (i.e., 6:30 a.m., 11:00 a.m., and 4:00 p.m.) that lists all registered voters for that precinct and/or polling location and indicates which registered voters have cast a ballot (including an absent voter's ballot prior to Election Day) as of the date and time the report is exported.			
After the election, the e-pollbook must permit voter history to be quickly and accurately uploaded into the county voter registration system.			
E-pollbook must demonstrate that it correctly processes all activity regarding each voter registration record, including the use, alteration, storage, and transmittal of information that is part of the record. Compliance with this must include the mapping of the data lifecycle of the voter registration record as processed by the e-pollbook.			
Construction and Manufacturing of Electronic Pollbook:			
Manufacturers of the e-pollbook must adhere to known best-practices of manufacturing and quality assurance.			

E-pollbook and any hardware attached to it must be designed to: • limit the risk of injury or damage to any individual or hardware; and • prevent fire and electrical hazards.			
The internal quality procedures of the vendor/manufacturer and any internal test data, including test plans, test data, test results, and any subsequent reports, must be provided and reviewed.			
Functionalities and Use of Electronic Pollbook – Training and Operating Procedures:			
Instruction manuals and training materials must be clearly-worded and provide detailed instructions that allow the precinct election officials to setup, use, and shutdown the e-pollbook.			
Manufacturer must provide training materials in a format suitable for use in a polling locations, such as a "how to" guide.			
Manufacturer must include instructions for fail-safe data recovery procedures for information stored in the e-pollbook.			
E-pollbook must require the coordinated action of two precinct election officials to start and close the e-pollbook.			
The procedure for setup, use, and shutdown at the polling location must be reasonably simple for precinct election officials to learn, understand, and perform.			
Display and discuss all manuals, including precinct election official instructional manuals.			

E-pollbook must enable precinct election officials to verify that the e-pollbook: • has been setup correctly; • is working correctly so as to verify the eligibility of a voter; • is recording correctly that a voter has voted; and • has been correctly shutdown.			
Requirements for Procurement of Electronic Pollbook:			
E-pollbook delivery includes end user documentation, system-level documentation, and a clear model of the system's architecture.			
Vendor/manufacture must provide detailed information on system consumables and make a declaration of its supply chain.			
Source code and related documents, together with any periodic updates as they become known of available, but not including variable codes created for specific elections or date from the county's voter registration system, must be placed in escrow with an independent escrow agent.			
All repair and maintenance policies will be provided to any county purchasing the e-pollbook.			
Vendor/manufacturer must provide references, including customer lists, and disclose known anomalies in prior implementations (and their resolution).			