

**(NAME OF LAB)**

**CERTIFICATION TEST REPORT**  
**FOR**  
**EXAMINATION OF ELECTRONIC POLL BOOK (ePollBook)**  
**FOR THE**  
**VOTING SYSTEM TECHNICAL OVERSIGHT PROGRAM (VSTOP)**  
**STATE OF INDIANA**

**Prepared by:** \_\_\_\_\_

**Authorized Laboratory Official**

**Date:** \_\_\_\_\_

**(ADDRESS AND CONTACT INFORMATION FOR LAB)**

## TABLE OF CONTENTS

1.0	INTRODUCTION .....	1
1.1	References .....	1
1.2	Terms and Abbreviations .....	1
1.3	Background .....	1
2.0	TEST ITEMS .....	2
2.0a	Software .....	2
2.0b	Hardware .....	2
2.0c	Peripherals .....	3
2.0d	Test Support Equipment/Materials .....	3
2.0e	Technical Data Package .....	3
2.0f	Third Party Test Reports .....	3
2.0g	Previous Test Results .....	3
2.0h	Known Fielded Use .....	4
3.0	TEST PROCESS .....	4
3.1	General Information .....	4
3.2	Test Approach .....	4
3.3	Test Cases .....	5
4.0	TEST FINDINGS AND RECOMMENDATIONS .....	11
5.0	CERTIFICATION FOR USE .....	14
	ATTACHMENT A .....	15

## 1.0 INTRODUCTION

An examination was performed to confirm that the submitted electronic Poll Book (hereafter referred to as “ePollBook”) meets the functional certification requirements for use in the State of Indiana. This examination was performed per the guidelines set forth by the Voting System Technical Oversight Program (hereafter referred to as “VSTOP”) for the certification of ePollBooks. This Test Report documents the procedures followed, the results obtained, and the conclusions drawn from that examination.

## 1.1 References

The documents listed below were utilized in the development of the Test Report.

- Indiana Election Code IC 3-11-8-10.3 (hereafter referred to as Section 10.3)
- Indiana Electronic Poll Book (ePollBook) Certification Test Protocol for the Voting System Technical Oversight Program (VSTOP)

## 1.2 Terms and Abbreviation

*This subsection lists terms and abbreviations relevant to this examination*

“ePB” – Electronic Poll Book Solution or ePollBook

“COTS” – Commercial Off-The-Shelf

“SVRS” – Statewide Voter Registration System

“TCI” – Test Case Identifier

“TDP” – Technical Data Package

“VSTOP” – Voting System Technical Oversight Program

As used in Section 10.3:

An **electronic poll list** refers to a poll list that is maintained in a computer database, the Indiana Statewide Voter Registration List (SVRS). The list is comprised of the alphabetical listing of registered voters in the state along with other elements required by the Indiana Code.

An **electronic poll book** refers to the combination of mechanical, electromechanical and electronic equipment (including the software, firmware and documentation required to program, control and support the equipment) that is used to access and maintain the electronic poll list.

## 1.3 Background

As of July 1, 2013, Indiana required the certification of ePBs in accordance with Section 10.3.

The legislation provides that VSTOP will perform or evaluate testing on the electronic poll books which utilize information contained in the SVRS for purposes of conducting elections at precincts and vote centers.

**2.0 TEST ITEMS**

*This section contains detailed descriptions of the submitted electronic poll book solution including: ePBs for required functional configuration testing, items tested during the evaluation (including all software, hardware, and peripherals, both proprietary and COTS), and any test support equipment or materials necessary for test performance. The information provided below is taken directly from the Test Protocol.*

Vendor Name and Product Name and Model Number:

<b>Vendor/Manufacturer Information:</b>	
<b>Name:</b>	<i>(insert vendor/manufacturer information here)</i>
<b>Address:</b>	
<b>Primary Point of Contact:</b>	
<b>Product Name and Model Number:</b>	<i>(insert product information here)</i>
<b>Date of Submission:</b>	

**2.0a Software**

The software listed in Table 2.0a was used during the examination of the ePollBook. Table 2.0a provides the component name, software/firmware version and a SHA-1 Hash, if calculated, during the examination.

**Table 2.0a Software**

*This subsection contains a listing of the software and firmware being evaluated.*

<b>Component Name</b>	<b>Version</b>	<b>Unique Identifier (digital signature or hash value)</b>

*(Add additional rows as needed)*

**2.0b Hardware**

Table 2.0b provides hardware component name, description, model number, and the serial number for the units that were examined.

**Table 2.0b Hardware**

<b>Component Name</b>	<b>Model/Version Number</b>	<b>Description</b>

*(Add additional rows as needed)*

**2.0c Peripherals**

Table 2.0c provides the information for the peripheral components used during the examination.

**Table 2.0c Peripherals**

<b>Part Name</b>	<b>Model Number</b>	<b>Revision Number</b>	<b>Description</b>

*(Add additional rows as needed)*

**2.0d Test Support Equipment/Materials**

The test materials listed in Table 2.0d were used during the examination.

**Table 2.0d Test Support Materials**

<b>Part Name</b>	<b>Quantity</b>	<b>Model/Serial Number</b>	<b>Description</b>

*(Add additional rows as needed)*

**2.0e Technical Data Package**

All relevant manufacturer-provided documentation that was provided during the examination is listed in the table below.

**Table 2.0e Documentation**

<b>Document Name</b>	<b>Part Number</b>	<b>Revision</b>	<b>Issue Date</b>

*(Add additional rows as needed)*

**2.0f Third Party Test Reports**

All relevant third party test reports including report numbers, revisions, and issue dates are included in the table below.

**Table 2.0f Third Party Test Reports**

<b>Report Title</b>	<b>Description</b>	<b>Revision</b>	<b>Issue Date</b>

*(Add additional rows as needed)*

**2.0g Previous Test Results**

Any previous testing performed that is relevant to the examination and the ePollBook being evaluated is listed in the table below.

**Table 2.0g Previous Test Results**

Report Title	Description	Revision	Issue Date

*(Add additional rows as needed)*

**2.0h Known Fielded Use**

Other jurisdictions in which the electronic poll book solution has been fielded are identified in the table below.

**Table 2.0h Known Fielded Use**

Jurisdiction	Point of Contact	Numbers of Years	Known Fielded Issues

*(Add additional rows as needed)*

**3.0 TEST PROCESS**

**3.1 General Information**

The examination of the previously identified electronic pollbook solution was performed by the following laboratory:

<b>Laboratory Name:</b>	<i>(insert information here)</i>
<b>Address:</b>	
<b>Primary Point of Contact:</b>	<i>(Name)</i>
	<i>(Title)</i>

**3.2 Test Approach**

To meet the 22 requirements of Section 10.3, the following two test techniques were utilized:

- **Review**

Administrative Review – This area of testing included a review of the documentation provided by the manufacturer.

- **Functional Execution**

Functional Configuration Audit – This area of testing targeted the specific functionality claimed by the manufacturer to ensure the product functions as documented. This testing used both positive and negative test data to test the robustness of the system.

Telecommunications/Compliance Testing – This area of testing focused on the system being able to transmit and receive data electronically and communication with the poll list server as well as the ability of the ePB to meet the remaining Section 10.3 requirements.

*For evaluation purposes, VSTOP provided all required test data in a format that conformed to the Indiana SVRS data structures.*

### 3.3 Test Cases

The test cases for functional certification testing are identified below. Each test case was assigned a unique Test Case Identifier (TCI) to identify the requirement being tested. All steps of the tests cases contained an expected result to provide objective pass/fail criteria. There were no dependencies for execution of the test cases.

**Functional Configuration Audit:**

- TCI: 02 Functional Configuration Audit (See Appendix B)

**Telecommunications Testing:** (See Appendix C)

- TCI: 03 Transmission Encryption
- TCI: 04 Electronic Poll Book Transmission
- TCI: 05 Loss and Restoration of Connectivity

**Compliance Testing:** (See Appendix C)

- TCI: 06 Product Safety (Commercial Off the Shelf - COTS)
- TCI: 07 Product Safety (Proprietary)
- TCI: 08 Electronic Poll Book Programming
- TCI: 09 Diagnostic Communications
- TCI: 10 Supported Elections
- TCI: 11 Electronic Poll Book Interface
- TCI: 12 Display of Voter Information and Signature
- TCI: 13 Input of Voter Eligibility
- TCI: 14 Signature Capture
- TCI: 15 Record Retrieval by Bar Code

The following table maps the test cases to the requirements of Section 10.3 of the Indiana Election Code:

Section 10.3 Statute	Test Case Mapping
(1) An electronic poll book must be programmed so that the coordinated action of two (2) election officers who are not members of the same political party is necessary to access the electronic poll book.	TCI: 08 Electronic Poll Book Programming
(2) An electronic poll book may not be connected to a voting system.	TCI: 11 Electronic Poll Book Interface
(3) An electronic poll book may not permit access to voter information in the electronic poll list other than: (A) information provided on the certified list of voters prepared under IC 3-7-29-1;	TCI: 12 Display of Voter Information and Signature

<p>(3) An electronic poll book may not permit access to voter information in the electronic poll list other than:</p> <p>(B) information concerning any of the following received or issued after the electronic poll list has been downloaded by the county election board under IC 3-7-29-6:</p> <ul style="list-style-type: none"> <li>(i) The county's receipt of an absentee ballot from the voter.</li> <li>(ii) The county's receipt of additional documentation provided by the voter to the county voter registration office.</li> <li>(iii) The county's issuance of a certificate of error.</li> </ul>	<p>TCI: 12 Display of Voter Information and Signature</p>
<p>(4) The information contained on an electronic poll list must be encrypted and placed on a dedicated, private server to secure connectivity between a precinct polling place or satellite absentee office and the county election board. The electronic poll book must have the capability of:</p> <p>(A) storing (in external or internal memory) a local version of the electronic poll list; and</p> <p>(B) producing a list of audit records that reflect all of the idiosyncrasies of the system, including in-process audit records that set forth all transactions.</p>	<p>TCI: 03 Transmission Encryption</p> <p>TCI: 04 Electronic Poll Book Transmission</p>
<p>(5) The electronic poll book must permit a poll clerk to enter information regarding an individual who has appeared to vote to verify whether the individual is eligible to vote, and if so, whether the voter has:</p> <p>(A) already cast a ballot at the election;</p> <p>(B) returned an absentee ballot; or</p> <p>(C) submitted any additional documentation required under IC 3-7-33-4.5.</p>	<p>TCI: 13 Input of Voter Eligibility</p>
<p>(6) After the voter has been provided with a ballot, the electronic poll book must permit a poll clerk to enter information indicating that the voter has voted at the election.</p>	<p>TCI: 13 Input of Voter Eligibility</p>
<p>(7) The electronic poll book must transmit the information in subdivision (6) to the county election board so that the board may transmit the information immediately to every other polling place or satellite absentee office in the county in which an electronic poll list is being used.</p>	<p>TCI: 04 Electronic Poll Book Transmission</p>



<p>(8) The electronic poll book must permit reports to be:</p> <p>(A) generated by a county election board for a watcher appointed under IC 3-6-8 at any time during election day; and</p> <p>(B) electronically transmitted by the county election board to a political party or independent candidate who has appointed a watcher under IC 3-6-8.</p>	<p>*No specific case – the requirement is at any time and the following test cases require reports:</p> <p>TCI: 08 Electronic Poll Book Programming</p> <p>TCI: 12 Display of Voter Information and Signature</p> <p>TCI: 13 Input of Voter Eligibility</p> <p>TCI: 14 Signature Capture</p> <p>TCI: 09 Diagnostic Communications</p> <p>TCI: 05 Loss and Restoration of Connectivity</p>
<p>(9) On each day after absentee ballots are cast before an absentee voter board in the circuit court clerk's office, a satellite office, or a vote center, and after election day, the electronic poll book must permit voter history to be quickly and accurately uploaded into the electronic poll list.</p>	<p>TCI: 04 Electronic Poll Book Transmission</p>
<p>(10) The electronic poll book must be able to display an electronic image of the signature of a voter taken from the voter's registration application, if available.</p>	<p>TCI: 12 Display of Voter Information and Signature</p>
<p>(11) The electronic poll book must be used with a signature pad, tablet, or other signature capturing device that permits the voter to make an electronic signature for comparison with the signature displayed under subdivision (10). An image of the electronic signature made by the voter on the signature pad, tablet, or other signature capturing device must be retained and identified as the signature of the voter for the period required for retention under IC 3-10-1-31.1.</p>	<p>TCI: 14 Signature Capture</p>
<p>(12) The electronic poll book must include a bar code reader or tablet that:</p> <p>(A) permits a voter who presents an Indiana driver's license or a state identification card issued under IC 9-24-16 to scan the license or card through the bar code reader or tablet; and</p>	<p>TCI: 15 Record Retrieval by Bar Code</p>

<p>(B) has the capability to display the voter's registration record upon processing the information contained within the bar code on the license or card.</p>	
<p>(13) The electronic poll book must be compatible with:</p> <p>(A) any hardware attached to the poll book, such as signature pads, bar code scanners, and network cards;</p> <p>(B) the statewide voter registration system; and</p> <p>(C) any software system used to prepare voter information to be included on the electronic poll list.</p>	<p>TCI: 02 Functional Configuration Audit</p>
<p>(14) The electronic poll book must have the ability to be used in conformity with this title for:</p> <p>(A) any type of election conducted in Indiana; or</p> <p>(B) any combination of elections held concurrently with a general election, municipal election, primary election, or special election.</p>	<p>TCI: 10 Supported Elections</p>
<p>(15) The procedures for setting up, using, and shutting down an electronic poll book must:</p> <p>(A) be reasonably easy for a precinct election officer to learn, understand, and perform; and</p> <p>(B) not require a significant amount of training in addition to the training required by IC 3-6-6-40.</p>	<p>TCI: 01 ePB Certification Checklist</p>
<p>(16) The electronic poll book must enable a precinct election officer to verify that the electronic poll book:</p> <p>(A) has been set up correctly;</p> <p>(B) is working correctly so as to verify the eligibility of the voter;</p> <p>(C) is correctly recording that a voter has voted; and</p> <p>(D) has been shut down correctly.</p>	<p>TCI: 09 Diagnostic Communications</p>

<p>(17) The electronic poll book must include the following documentation:</p> <p>(A) Plainly worded, complete, and detailed instructions sufficient for a precinct election officer to set up, use, and shut down the electronic poll book.</p> <p>(B) Training materials that:</p> <ul style="list-style-type: none"> <li>(i) may be in written or video form; and</li> <li>(ii) must be in a format suitable for use at a polling place, such as simple "how to" guides.</li> </ul> <p>(C) Failsafe data recovery procedures for information included in the electronic poll book.</p> <p>(D) Usability tests:</p> <ul style="list-style-type: none"> <li>(i) that are conducted by the manufacturer of the electronic poll book using individuals who are representative of the general public;</li> <li>(ii) that include the setting up, using, and shutting down of the electronic poll book; and</li> <li>(iii) that report their results using the ANSI/INCITS -354 Common Industry Format (CIF) for Usability Test Reports approved by the American National Standards Institute (ANSI) on December 12, 2001.</li> </ul> <p>(E) A clear model of the electronic poll book system architecture and the following documentation:</p> <ul style="list-style-type: none"> <li>(i) End user documentation.</li> <li>(ii) System-level documentation.</li> <li>(iii) Developer documentation.</li> </ul> <p>(F) Detailed information concerning:</p> <ul style="list-style-type: none"> <li>(i) electronic poll book consumables; and</li> <li>(ii) the vendor's supply chain for those consumables.</li> </ul> <p>(G) Vendor internal quality assurance procedures and any internal or external test data and reports available to the vendor concerning the electronic poll book.</p>	<p>TCI: 01 ePB Certification Checklist</p>
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<p>(H) Repair and maintenance policies for the electronic poll book.</p> <p>(I) As of the date of the vendor's application for approval of the electronic poll book by the secretary of state as required by IC 3-11-18.1-12(2), the following:</p> <ul style="list-style-type: none"> <li>(i) A list of customers who are using or have previously used the vendor's electronic poll book.</li> <li>(ii) A description of any known anomalies involving the functioning of the electronic poll book, including how those anomalies were resolved.</li> </ul>	
<p>(18) The electronic poll book and any hardware attached to the electronic poll book must be designed to prevent injury or damage to any individual or the hardware, including fire and electrical hazards.</p>	<p>TCI: 06 Product Safety (Commercial Off the Shelf - COTS)</p> <p>TCI: 07 Product Safety (Proprietary)</p>
<p>(19) The electronic poll book must demonstrate that it correctly processes all activity regarding each voter registration record included on the electronic poll list, including the use, alteration, storage, and transmittal of information that is part of the record. Compliance with this subdivision requires the mapping of the data life cycle of the voter registration record as processed by the electronic poll book.</p>	<p>TCI: 01 ePB Certification Checklist</p> <p>TCI: 02 Functional Configuration Audit</p>
<p>(20) The electronic poll book must successfully perform in accordance with all representations concerning functionality, usability, security, accessibility, and sustainability made in the vendor's application for approval of the electronic poll book by the secretary of state as required by IC 3-11-18.1-12(2).</p>	<p>TCI: 02 Functional Configuration Audit</p>
<p>(21) The electronic poll book must have the capacity to transmit all information generated by the voter or poll clerk as part of the process of casting a ballot, including the time and date stamp indicating when the voter voted, and the electronic signature of the voter, for retention on the dedicated private server maintained by the county election board for the period required by Indiana and federal law.</p>	<p>TCI: 04 Electronic Poll Book Transmission</p>

<p>(22) The electronic poll book must:</p> <p>(A) permit a voter to sign the poll book even when there is a temporary interruption in connectivity to the Internet; and</p> <p>(B) provide for the uploading of each signature and its assignment to the voter's registration record.</p>	<p>TCI: 05 Loss and Restoration of Connectivity</p>
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**4.0 TEST FINDINGS AND RECOMMENDATIONS**

**TCI: 02 Functional Configuration Audit**

The objective of this test case is to determine if the electronic poll book functions in accordance with all representations including attached peripherals, statewide voter registration system and any software system used to prepare the electronic poll list.

During execution of this test case, that electronic poll book solution being evaluated, as configured per the provided technical documentation, was subjected to the following functional testing:

- The ability to interface with the county database containing the voter registration system
- The ability to program poll place devices with an electronic poll list for all supported Indiana election types
- Hardware compatibility
- Administrative functionality
- User management including adding users, deleting users, and updating users
- Access controls management
- All data entry points
- All voter registration retrieval methods.
- All digital signature capture methods
- Editing voter registration records
- Interfacing components
- Data transmission
- Database management, including backing up and restoring
- Audit log retrieval and maintenance
- Reporting

Summary Findings: <Please complete this section with your summary findings>

**TCI: 03 Transmission Encryption**

The objective of this test case is to determine if the electronic poll book employs encryption.

Summary Findings: <Please complete this section with your summary findings>

**TCI: 04 Electronic Poll Book Transmission**

The objective of this test case is to determine if the electronic poll book transmits and can receive an indication that a voter has received a ballot, the time and date of the occurrence, and the electronic signature and records audit details.

Summary Findings: <Please complete this section with your summary findings>

**TCI: 05 Loss and Restoration of Connectivity**

The objective of this test case is to determine if the electronic poll book will capture a digital signature with a disruption of connectivity and upload the signatures to the voter registration record once connectivity is restored.

Summary Findings: <Please complete this section with your summary findings>

**TCI: 06 Product Safety (Commercial Off the Shelf - COTS)**

The objective of this test case is to determine if the electronic poll book and peripheral are designed to prevent injury and can be safely operated.

Summary Findings: <Please complete this section with your summary findings>

**TCI: 07 Product Safety (Proprietary)**

The objective of this test case is to determine if the electronic poll book and peripheral are designed to prevent injury and can be safely operated.

Summary Findings: <Please complete this section with your summary findings>

**TCI: 08 Electronic Poll Book Programming**

The objective of this test case is to determine if the electronic poll book requires the coordinated action of two officers of different political parties to access the electronic poll book information.

Summary Findings: <Please complete this section with your summary findings>

**TCI: 09 Diagnostic Communications**

The objective of this test case is to determine that the electronic book poll provides diagnostic communication to verify the device is set up correctly, working correctly, correctly recording a voter has been given a ballot, and has been shut down correctly

Summary Findings: <Please complete this section with your summary findings>

### **TCI: 10 Supported Elections**

The objective of this test case is to determine if the electronic poll book supports a general election, municipal election, primary election, or a special election as well as any combination of concurrent elections.

Summary Findings: *<Please complete this section with your summary findings>*

### **TCI: 11 Electronic Poll Book Interface**

The objective of this test case is to determine if the electronic poll book is connected to the voting system.

Summary Findings: *<Please complete this section with your summary findings>*

### **TCI: 12 Display of Voter Information and Signature**

The objective of this test case is ensure all the voter information from IC 3-7-29-1(A) and (B) of this requirement is accessible including the voter's signature record and other information is not accessible.

Summary Findings: *<Please complete this section with your summary findings>*

### **TCI: 13 Input of Voter Eligibility**

The objective of this test case is to determine if the electronic poll book can be updated for voter eligibility.

Summary Findings: *<Please complete this section with your summary findings>*

### **TCI: 14 Signature Capture**

The objective of this test case is to determine if the electronic poll book can capture and retain a voter's signature legible enough for comparison with the signature record on file.

Summary Findings: *<Please complete this section with your summary findings>*

### **TCI: 15 Record Retrieval by Bar Code**

The objective of this test case is to determine if the electronic poll book can retrieve and display the voter registration record be a bar code on an Indiana driver's license or state identification card.

Summary Findings: *<Please complete this section with your summary findings>*

## 5.0 CERTIFICATION FOR USE

*Based on the testing performed and the results obtained, the electronic poll book solution identified in this report meets the requirements set forth in Indiana Statute Section 10.3 and is recommended for use in the State of Indiana.*

Yes

No



**ATTACTMENT A**  
**TEST CASES**

## Functional Configuration Audit (FCA) Test Cases

<b>TCI: 02 Functional Configuration Audit</b>	
<p><b>IN § 10.3 (b) Requirements:</b></p> <p>(13) (19) (20)</p>	<p><i>(13) The electronic poll book must be compatible with:</i></p> <p style="padding-left: 40px;"><i>(A) any hardware attached to the poll book, such as signature pads, bar code scanners, and network cards;</i></p> <p style="padding-left: 40px;"><i>(B) the statewide voter registration system; and</i></p> <p style="padding-left: 40px;"><i>(C) any software system used to prepare voter information to be included on the electronic poll list.</i></p> <p><i>(19) The electronic poll book must demonstrate that it correctly processes all activity regarding each voter registration record included on the electronic poll list, including the use, alteration, storage, and transmittal of information that is part of the record. Compliance with this subdivision requires the mapping of the data life cycle of the voter registration record as processed by the electronic poll book.</i></p> <p><i>(20) The electronic poll book must successfully perform in accordance with all representations concerning functionality, usability, security, accessibility, and sustainability made in the vendor's application for approval of the electronic poll book by the secretary of state as required by IC 3-11-18.1-12(2).</i></p>
<p><b>Test Objective:</b> To determine if the electronic poll book functions in accordance with all representations including attached peripherals, statewide voter registration system and any software system used to prepare the electronic poll list.</p>	<p><b>Test Configuration:</b> None</p>
<p><b>Equipment:</b></p>	<p>All system documentation submitted as part of the application.</p>
<p><b>Special Procedural Requirements:</b></p>	<p>The electronic poll book <b>SYSTEM</b> will configured per the system documentation submitted by the electronic poll book manufacturer. The electronic poll book firmware will be loaded by the examiner from a trusted source.</p>

<b>Assumptions:</b>	This test is a system level test that requires all equipment and software that is being considered for certification.
<b>Test Approach:</b>	<p>Below are three definitions of a functional configuration audit:</p> <p><i>The formal examination of functional characteristics of a configuration item, or system to verify that the item has achieved the requirements specified in its functional and/or allocated configuration documentation. [MIL-HDBK-61A]</i></p> <p><i>Functional Configuration Audit (FCA): For each configuration item, the formal examination of its functional characteristics to verify that it has achieved the requirements in its allocated baseline. For a system, the formal examination of its functional characteristics to verify that it has achieved the requirements in the functional baseline. [SMC Systems Engineering Primer &amp; Handbook, Jan 2004]</i></p> <p><i>Functional Configuration Audit (FCA) examines the functional characteristics of the configured product and verifies that the product has met, via test results, the requirements specified in its functional baseline documentation approved at the PDR and CDR. FCAs will be conducted on both hardware- or software-configured products and will precede the PCA of the configured product. [NASA Systems Engineering Handbook, NASA/SP-2007-6105, Rev1.]</i></p> <p>During the performance of the functional configuration audit (FCA) each component and subcomponent of the electronic poll book will be functionally evaluated as designed and documented. The FCA will depend heavily on black box testing techniques for the individual software components. The examiner will use “equivalence partitioning” and “boundary value testing” to evaluate the robustness and stability of the software submitted for evaluation.</p> <p>“Equivalence partitioning” will be used to evaluate specific software functions and data entry points. For software functions and data entry points, an entry will be made for valid data requirement and at least one invalid data requirement to test for normal and abnormal conditions. This can include the input of numeric values and special characters for alphabetic and text fields and may also include alphabetic and special characters for numeric fields.</p>

	<p>“Boundary value testing” will be used to evaluate specific software functions and data entry points for minimums and maximums. For software functions and data entry points an entry will be made for all minimum and all maximum documented requirements to test for normal and abnormal conditions. This can include numeric ranges as well as non-numeric ranges.</p>
<p><b>Test Method:</b></p> <p>The method for testing these requirements is execution. The FCA will evaluate the electronic poll book solution including all hardware, software, and peripherals. The examiner will utilize the User’s Manual provided to perform documented functions. If the User’s Manual is deemed incomplete or insufficient the examiner will note this as a deficiency, but will still subject the electronic poll book solution to the following functional testing:</p> <ul style="list-style-type: none"> <li>• The ability to interface with the county database containing the voter registration system</li> <li>• The ability to program poll place devices with an electronic poll list for all supported Indiana election types</li> <li>• Hardware compatibility</li> <li>• Administrative functionality</li> <li>• User management including adding users, deleting users, and updating users</li> <li>• Access controls management</li> <li>• All data entry points</li> <li>• All voter registration retrieval methods.</li> <li>• All digital signature capture methods</li> <li>• Editing voter registration records</li> <li>• Interfacing components</li> <li>• Data transmission</li> <li>• Database management, including backing up and restoring</li> <li>• Audit log retrieval and maintenance</li> <li>• Reporting</li> </ul> <p>During performance of the FCA, the examiner will input both positive and negative test data to trigger normal and abnormal conditions. If negative test data is allowed to be input, the examiner will continue the process of the data flow as document in the “mapping of the data life cycle” to ensure the negative testing data does not have an effect on downstream processes.</p>	
<p><b>Criteria for Evaluation of the Test Results:</b> At the conclusion of the FCA, the examiner will analyze all deficiencies and make a determination on the electronic poll book solutions ability to perform in accordance with all representations concerning functionality, usability, security, accessibility, and sustainability.</p>	

## Telecommunications/Compliance Test Cases

TCI: 08 Electronic Poll Book Programming	
<b>IN § 10.3 (b) Requirements:</b>  (1)	<i>(1) An electronic poll book must be programmed so that the coordinated action of two (2) election officers who are not members of the same political party is necessary to access the electronic poll book.</i>
<b>Test Objective:</b> To determine if the electronic poll book requires the coordinated action of two officers of different political parties to access the electronic poll book information.	<b>Test Configuration:</b> An electronic poll book loaded with the proper version of firmware and configured with voter information in a pre-election state.
<b>Equipment:</b>	None
<b>Special Procedural Requirements:</b>	None
<b>Assumptions:</b>	The electronic poll book is loaded with voter information, but is not in an "Election" state. This test case assumes that the Criteria for Evaluation are not satisfied procedurally.
Step	Procedure
<b>1000</b>	Ensure the electronic poll book is in a "Pre-Election" state and not activated to an "Election" state.  <i>Expected:</i> The electronic poll book is loaded with voter information and is in a "Pre-Election" state.  <i>Actual:</i>
<b>1010 (1010 to 1030 are designed to validate the first user inputs)</b>	Attempt to access the electronic poll book using the designated method of data input without inputting proper credentials. Repeat this step 11 times documenting each method and credential used or until the electronic poll book "locks out" attempts.  <i>Expected:</i> The electronic poll book will not switch into an "Election" state or provide access to voter information.  <i>Actual:</i>
<b>1020</b>	Ensure the electronic poll book is returned to a "Pre-Election" state.  <i>Expected:</i> The electronic poll book is loaded with voter information and is in a "Pre-Election" state.  <i>Actual:</i>
<b>1030</b>	Use the designated method to input valid user credentials to the electronic poll book for Party 1.  <i>Expected:</i> The information for Party 1 can be input into the electronic poll book.  <i>Actual:</i>

<p><b>1040 (1040 to 1060 are designed to validate the second user inputs)</b></p>	<p>Attempt to access the electronic poll book using the designated method of data input for invalid user credentials for Party 2. Repeat this step 11 times documenting each method and credential used or until the electronic poll book “locks out” attempts.</p> <p><i>Expected: The electronic poll book will not switch into an “Election” state or provide access to voter information.</i></p> <p><i>Actual:</i></p>
<p><b>1050</b></p>	<p>Ensure the electronic poll book is returned to a “Pre-Election” state.</p> <p><i>Expected: The electronic poll book is loaded with voter information and is in a “Pre-Election” state.</i></p> <p><i>Actual:</i></p>
<p><b>1060</b></p>	<p>Use the designated method to input valid user credentials for access to the electronic poll book for Party 2.</p> <p><i>Expected: The information for Party 2 can be input into the electronic poll book.</i></p> <p><i>Actual:</i></p>
<p><b>1070</b></p>	<p>Attempt to access the electronic poll book using the designated method of data input without inputting proper credentials for Party 1 and invalid credentials for Party 2. Repeat this step 11 times documenting each method and credential used or until the electronic poll book “locks out” attempts.</p> <p><i>Expected: The electronic poll book will not switch into an “Election” state or provide access to voter information.</i></p> <p><i>Actual:</i></p>
<p><b>1080</b></p>	<p>Ensure the electronic poll book is returned to a “Pre-Election” state.</p> <p><i>Expected: The electronic poll book is loaded with voter information and is in a “Pre-Election” state.</i></p> <p><i>Actual:</i></p>
<p><b>1090</b></p>	<p>Use the designated method to input information necessary for access to the electronic poll book for Party 1. Use the designated method to input information necessary for access to the electronic poll book for Party 2.</p> <p><i>Expected: The electronic poll book is activated to an “Election” state with the coordinated action of Party 1 and Party 2.</i></p> <p><i>Actual:</i></p>
<p><b>1100</b></p>	<p>Use the designated method to input information necessary for access to the electronic poll book for two separate individuals of the same Party.</p> <p><i>Expected: The electronic poll book will not allow for activation to an “Election” state.</i></p> <p><i>Actual:</i></p>

<p><b>1110</b></p>	<p>Input the voter information for any known voter to retrieve the voter registration. Analyze the record for known information to ensure the electronic poll book has retrieved the proper information.</p> <p><i>Expected: The electronic poll book retrieves the proper voter information.</i></p> <p><i>Actual:</i></p>
<p><b>1120</b></p>	<p>Use the designated method to generate a report.</p> <p><i>Expected: A report is produced.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book does not allow access to the voter information without a coordinated action of two separate election officers from different political parties. The electronic poll book does allow access to the voter information with the coordinated action of two separate election officers from different political parties.</p>	

TCI: 11 Electronic Poll Book Interface	
<b>IN § 10.3 (b) Requirements:</b>  (2)	<i>(2) An electronic poll book may not be connected to a voting system.</i>
<b>Test Objective:</b> To determine if the electronic poll book is connected to the voting system.	<b>Test Configuration:</b> An electronic poll book configured for election day.
<b>Equipment:</b>	COTS device for reading interfacing component
<b>Special Procedural Requirements:</b>	None
<b>Assumptions:</b>	The electronic poll book is configured with all connections, cable and transport media.
Step	Procedure
<b>1000</b>	<p>Inspect the electronic poll book for cables, connections and transport media to the voting system. Any interfacing component must have an “air gap” solution between the electronic poll book and the voting system. This inspection should take into account radio frequency connections such as Bluetooth, Wi-Fi, and Cellular connections.</p> <p><i>Expected: The electronic poll book does not connect to the voting system.</i></p> <p><i>Actual:</i></p>
<b>1010</b>	<p>(*Optional for interfacing components)</p> <p>For interfacing components with an “air gap” solution, this interface should be a one way interface from the electronic poll book to the voting system. Use the designated method of interfacing from the electronic poll book to the voting system. Use the designated method of the voting system to interface with the information provided by the electronic poll book. Return the interfacing component to the electronic poll book. Use the designated method to examine the interfacing component to ensure the voting system does not provide any information to the electronic poll book.</p> <p><i>Expected: The voting system does not provide any information to the electronic poll book.</i></p> <p><i>Actual:</i></p>
<b>Criteria for Evaluation of the Test Results:</b> The electronic poll book is not connected in any manner to the voting system. If there is an interfacing component to the voting system, this interface must be a one way interface.	



<b>TCI: 12 Display of Voter Information and Signature</b>	
<p><b>IN § 10.3 (b) Requirements:</b></p> <p>(3) (10)</p>	<p><i>(3) An electronic poll book may not permit access to voter information in the electronic poll list other than:</i></p> <p><i>(A) information provided on the certified list of voters prepared under IC 3-7-29-1; or</i></p> <p><i>(B) information concerning any of the following received or issued after the electronic poll list has been downloaded by the county election board under IC 3-7-29-6:</i></p> <p><i>(i) The county's receipt of an absentee ballot from the voter.</i></p> <p><i>(ii) The county's receipt of additional documentation provided by the voter to the county voter registration office.</i></p> <p><i>(iii) The county's issuance of a certificate of error.</i></p> <p><i>(10) The electronic poll book must be able to display an electronic image of the signature of a voter taken from the voter's registration application, if available.</i></p>
<p><b>Test Objective:</b> Ensure all the voter information from IC 3-7-29-1 described in (A) and supplemental information described in (B) of this requirement is accessible including the voter's signature record and other information is not accessible.</p>	<p><b>Test Configuration:</b> An electronic poll book configured for election day.</p>
<p><b>Equipment:</b></p>	<p>None</p>
<p><b>Special Procedural Requirements:</b></p>	<p>The voter information to retrieve (5) known voter registration records will be selected prior test execution to meet the following requirements:</p> <ul style="list-style-type: none"> <li>• An eligible voter</li> <li>• An ineligible voter</li> <li>• A voter who has cast an absentee ballot</li> <li>• A voter flagged to provide additional documentation</li> <li>• A voter with a county issued certificate of error</li> </ul>

<b>Assumptions:</b>	It is assumed examples of the five known voter registration records will be provided in the data to execute these five steps below.
<b>Step</b>	<b>Procedure</b>
<b>1000</b>	<p>Use the designated method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<b>1010</b>	<p>Inspect the retrieved record for the following information:</p> <ul style="list-style-type: none"> <li>___ (1) The full name of the voter.</li> <li>___ (2) The address of the voter.</li> <li>___ (3) The assigned voter identification number.</li> <li>___ (4) Whether the voter is required to provide additional identification before voting either in person or by absentee ballot.</li> <li>___ (5) The date of birth of the voter, including an indication whether the voter is less than eighteen (18) years of age for a poll list used in a primary election</li> <li>___ (6) The scanned signature of the voter.</li> <li>___ (7) Whether the voter is required to provide an affirmation of the voter's residence.</li> <li>___ (8) A bar code that allows the county voter registration office to efficiently record whether the voter has signed the poll list.</li> <li>___ (9) For a poll list used in a primary election, a letter abbreviation of the name of the major political party whose ballot the voter has requested.</li> <li>___ (10) A space for a poll clerk to indicate when a voter has cast an absentee ballot.</li> <li>___ (11) A space for a poll clerk to indicate when a voter has cast a provisional ballot.</li> <li>___ (12) For a voter required to submit additional documentation required under IC 3-7-33-4.5, a space for a poll clerk to insert letters serving as an abbreviation for the type of documentation provided by the voter.</li> </ul> <p><i>Expected: Items 1-12 are displayed and the signature is adequately legible to make a signature comparison and no other voter information is provided.</i></p> <p><i>Actual:</i></p>
<b>1020</b>	<p>Use the designed method to input the voter information to retrieve the voter registration record for an ineligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>

<p><b>1030</b></p>	<p>Inspect the retrieved record for the following information:</p> <ul style="list-style-type: none"> <li>___ (1) The full name of the voter.</li> <li>___ (2) The address of the voter.</li> <li>___ (3) The assigned voter identification number.</li> <li>___ (4) Whether the voter is required to provide additional identification before voting either in person or by absentee ballot.</li> <li>___ (5) The date of birth of the voter, including an indication whether the voter is less than eighteen (18) years of age for a poll list used in a primary election</li> <li>___ (6) The scanned signature of the voter.</li> <li>___ (7) Whether the voter is required to provide an affirmation of the voter's residence.</li> <li>___ (8) A bar code that allows the county voter registration office to efficiently record whether the voter has signed the poll list.</li> <li>___ (9) For a poll list used in a primary election, a letter abbreviation of the name of the major political party whose ballot the voter has requested.</li> <li>___ (10) A space for a poll clerk to indicate when a voter has cast an absentee ballot.</li> <li>___ (11) A space for a poll clerk to indicate when a voter has cast a provisional ballot.</li> <li>___ (12) For a voter required to submit additional documentation required under IC 3-7-33-4.5, a space for a poll clerk to insert letters serving as an abbreviation for the type of documentation provided by the voter.</li> </ul> <p><i>Expected: Items 1-12 are displayed and the signature is adequately legible to make a signature comparison and no other voter information is provided.</i></p> <p><i>Actual:</i></p>
<p><b>1040</b></p>	<p>Use the designed method to input the voter information to retrieve the voter registration record for a voter who has cast an absentee ballot. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1050</b></p>	<p>Inspect the retrieved record for the following information:</p> <ul style="list-style-type: none"> <li>___ (1) The full name of the voter.</li> <li>___ (2) The address of the voter.</li> <li>___ (3) The assigned voter identification number.</li> <li>___ (4) Whether the voter is required to provide additional identification before voting either in person or by absentee ballot.</li> <li>___ (5) The date of birth of the voter, including an indication whether the voter is less than eighteen (18) years of age for a poll list used in a primary election</li> <li>___ (6) The scanned signature of the voter.</li> <li>___ (7) Whether the voter is required to provide an affirmation of the voter's residence.</li> <li>___ (8) A bar code that allows the county voter registration office to efficiently record whether the voter has signed the poll list.</li> <li>___ (9) For a poll list used in a primary election, a letter abbreviation of the name of the major political party whose ballot the voter has requested.</li> <li>___ (10) A space for a poll clerk to indicate when a voter has cast an absentee ballot.</li> <li>___ (11) A space for a poll clerk to indicate when a voter has cast a provisional ballot.</li> <li>___ (12) For a voter required to submit additional documentation required under IC 3-7-33-4.5, a space for a poll clerk to insert letters serving as an abbreviation for the type of documentation provided by the voter.</li> </ul>

	<p><i>Expected: Items 1-12 are displayed and the signature is legible enough to make a signature comparison and no other voter information is provided.</i></p> <p><i>Actual:</i></p>
<p><b>1060</b></p>	<p>Use the designed method to input the voter information to retrieve the voter registration record for a voter who has been flagged for additional documentation. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1070</b></p>	<p>Inspect the retrieved record for the following information:</p> <ul style="list-style-type: none"> <li>___ (1) The full name of the voter.</li> <li>___ (2) The address of the voter.</li> <li>___ (3) The assigned voter identification number.</li> <li>___ (4) Whether the voter is required to provide additional identification before voting either in person or by absentee ballot.</li> <li>___ (5) The date of birth of the voter, including an indication whether the voter is less than eighteen (18) years of age for a poll list used in a primary election</li> <li>___ (6) The scanned signature of the voter.</li> <li>___ (7) Whether the voter is required to provide an affirmation of the voter's residence.</li> <li>___ (8) A bar code that allows the county voter registration office to efficiently record whether the voter has signed the poll list.</li> <li>___ (9) For a poll list used in a primary election, a letter abbreviation of the name of the major political party whose ballot the voter has requested.</li> <li>___ (10) A space for a poll clerk to indicate when a voter has cast an absentee ballot.</li> <li>___ (11) A space for a poll clerk to indicate when a voter has cast a provisional ballot.</li> <li>___ (12) For a voter required to submit additional documentation required under IC 3-7-33-4.5, a space for a poll clerk to insert letters serving as an abbreviation for the type of documentation provided by the voter.</li> </ul> <p><i>Expected: Items 1-12 are displayed and the signature is adequately legible to make a signature comparison and no other voter information is provided.</i></p> <p><i>Actual:</i></p>
<p><b>1080</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for a voter with a county issued certificate of error. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>

<p><b>1090</b></p>	<p>Inspect the retrieved record for the following information:</p> <ul style="list-style-type: none"> <li>___ (1) The full name of the voter.</li> <li>___ (2) The address of the voter.</li> <li>___ (3) The assigned voter identification number.</li> <li>___ (4) Whether the voter is required to provide additional identification before voting either in person or by absentee ballot.</li> <li>___ (5) The date of birth of the voter, including an indication whether the voter is less than eighteen (18) years of age for a poll list used in a primary election</li> <li>___ (6) The scanned signature of the voter.</li> <li>___ (7) Whether the voter is required to provide an affirmation of the voter's residence.</li> <li>___ (8) A bar code that allows the county voter registration office to efficiently record whether the voter has signed the poll list.</li> <li>___ (9) For a poll list used in a primary election, a letter abbreviation of the name of the major political party whose ballot the voter has requested.</li> <li>___ (10) A space for a poll clerk to indicate when a voter has cast an absentee ballot.</li> <li>___ (11) A space for a poll clerk to indicate when a voter has cast a provisional ballot.</li> <li>___ (12) For a voter required to submit additional documentation required under IC 3-7-33-4.5, a space for a poll clerk to insert letters serving as an abbreviation for the type of documentation provided by the voter.</li> </ul> <p><i>Expected: Items 1-12 are displayed and the signature is adequately legible to make a signature comparison and no other voter information is provided.</i></p> <p><i>Actual:</i></p>
<p><b>1100</b></p>	<p>Use the designated method to generate a report.</p> <p><i>Expected: A report is produced.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> All voter records can be retrieved and accurately displayed with the required information for expected data and no additional information is displayed.</p>	

TCI: 03 Transmission Encryption	
<b>IN § 10.3 (b) Requirements:</b>  (4)	<p><i>(4) The information contained on an electronic poll list must be encrypted and placed on a dedicated, private server to secure connectivity between a precinct polling place or satellite absentee office and the county election board. The electronic poll book must have the capability of:</i></p> <p><i>(A) storing (in external or internal memory) a local version of the electronic poll list; and</i></p> <p><i>(B) producing a list of audit records that reflect all of the idiosyncrasies of the system, including in-process audit records that set forth all transactions.</i></p>
<b>Test Objective:</b> To determine if the electronic poll book employs encryption.	<b>Test Configuration:</b> An electronic poll book connected to a network interface.
<b>Equipment:</b>	Network protocol analyzer, network interface
<b>Special Procedural Requirements:</b>	A network connection between the network analyzer, network interface and the electronic poll book must be established. The network protocol analyzer must be fully functioning. The network protocol analyzer must be configured in promiscuous mode to capture all packets traversing the network.
<b>Assumptions:</b>	The electronic poll book is configured to the point of transmission.
<b>Step</b>	<b>Procedure</b>
<b>1000</b>	Examine the electronic poll book and ensure it is in a state ready to transmit.  <i>Expected: The electronic poll book is ready to transmit an updated poll list.</i>  <i>Actual:</i>
<b>1010</b>	Use the designated method to initialize the network protocol analyzer to start a “capture” from the network interface.  <i>Expected: The network protocol analyzer is actively capturing network packet.</i>  <i>Actual:</i>

<p><b>1020</b></p>	<p>Use the designated method to transmit the updated poll list from the ePB to the poll list server.</p> <p><i>Expected: The ePB will start to transmit data to the network interface.</i></p> <p><i>Actual:</i></p>
<p><b>1030</b></p>	<p>Use the designated method to browse the “captured” packets on the network protocol analyzer, ensure the network packets are encrypted.</p> <p><i>Expected: A determination can be made that the electronic poll book uses employs encryption.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll transmits data that is encrypted.</p>	

**TCI: 04 Electronic Poll Book Transmission**

**IN § 10.3 (b) Requirements:**

(4) (7) (9) (21)

*(4) The information contained on an electronic poll list must be encrypted and placed on a dedicated, private server to secure connectivity between a precinct polling place or satellite absentee office and the county election board. The electronic poll book must have the capability of:*

*(A) storing (in external or internal memory) a local version of the electronic poll list; and*

*(B) producing a list of audit records that reflect all of the idiosyncrasies of the system, including in-process audit records that set forth all transactions.*

*(7) The electronic poll book must transmit the information in subdivision (6) to the county election board so that the board may transmit the information immediately to every other polling place or satellite absentee office in the county in which an electronic poll list is being used.*

*(9) On each day after absentee ballots are cast before an absentee voter board in the circuit court clerk's office, a satellite office, or a vote center, and after election day, the electronic poll book must permit voter history to be quickly and accurately uploaded into the electronic poll list.*

*(21) The electronic poll book must have the capacity to transmit all information generated by the voter or poll clerk as part of the process of casting a ballot, including the time and date stamp indicating when the voter voted, and the electronic signature of the voter, for retention on the dedicated private server maintained by the county election board for the period required by Indiana and federal law.*



<b>Test Objective:</b> To determine if the electronic poll book transmits and can receive an indication that a voter has received a ballot, the time and date of the occurrence, and the electronic signature and records audit details.	<b>Test Configuration:</b> Two electronic poll books (ePB-1 & ePB-2) configured with the same voter registration data and the ability to connect to a dedicated private server.
<b>Equipment:</b>	Time keeping device
<b>Special Procedural Requirements:</b>	The voter information to retrieve (2) known eligible voter registration records.
<b>Assumptions:</b>	The electronic poll book is loaded with poll list, but no connections are established to a network.
<b>Step</b>	<b>Procedure</b>
<b>1000</b> <b>ePB -1</b>	Examine the electronic poll book and identify the designated method of data transmission. Ensure the electronic poll book has no connectivity.  <i>Expected: The electronic poll book has no connectivity.</i>  <i>Actual:</i>
<b>1010</b> <b>ePB -1</b>	Use the designated method to browse through the poll list. Retrieve and examine five (5) voter registration records to ensure the poll list is stored locally and is not dependent on connectivity.  <i>Expected: The poll list is stored locally and can be browsed with no connectivity.</i>  <i>Actual:</i>
<b>1020</b> <b>ePB -1</b>	Use the designated method to establish connectivity and configure the electronic poll book for an “Election” state.  <i>Expected: The electronic poll book is activated to an “Election” state and has connectivity.</i>  <i>Actual:</i>
<b>1030</b> <b>ePB -1</b>	Use the designed method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.  <i>Expected: The voter information is able to be input and the correct record is retrieved.</i>  <i>Actual:</i>
<b>1040</b> <b>ePB -1</b>	Use the designated method to digitally input the voter’s signature. Use the designated method to save the signature.  <i>Expected: The voter’s signature can be input and saved to a voter registration record.</i>  <i>Actual:</i>

<p><b>1050</b> <b>ePB -1</b></p>	<p>Use the designated method to edit the voter registration record. Use the designated method to update the voter registration record to indicate the voter as having received a ballot. Save the update.</p> <p><i>Expected: The voter registration record can be edited and the update can be saved.</i></p> <p><i>Actual:</i></p>
<p><b>1060</b> <b>ePB -1</b></p>	<p>Use the time keeping device to record the time: _____</p> <p>Use the designated method to transmit the updated poll list to the poll list server. Look for an indication of a successful transfer.</p> <p>Use the time keeping device to record the time: _____</p> <p><i>Expected: The updated voter registration record can be successfully transmitted.</i></p> <p><i>Actual:</i></p>
<p><b>1070</b> <b>Server</b></p>	<p>On the server, use the designated method to retrieve the transmitted poll list from ePB-1. Examine the voter registration record for the voter information input in step 1030. Ensure the voter registration contains the following:</p> <p>_____ An indication of receiving a ballot</p> <p>_____ Time and date stamp of receiving a ballot</p> <p>_____ A legible digital signature</p> <p><i>Expected: The updated voter registration record can be successfully retrieved and contains the required information.</i></p> <p><i>Actual:</i></p>
<p><b>1080</b> <b>Server</b></p>	<p>Use the designated method to use this poll list as the “new” updated poll list to distribute to all electronic poll books.</p> <p><i>Expected: The poll list can be updated to use the poll list transmitted from 1060.</i></p> <p><i>Actual:</i></p>
<p><b>1090</b> <b>ePB-2</b></p>	<p>Use the designated method to browse through the poll list.</p> <p><i>Expected: The poll list is unchanged from the original information.</i></p> <p><i>Actual:</i></p>
<p><b>1100</b> <b>ePB-2</b></p>	<p>Use the designated method to establish connectivity and configure the electronic poll book to receive an updated poll list.</p> <p><i>Expected: The connectivity is established and the electronic poll book is ready to receive an updated poll list.</i></p> <p><i>Actual:</i></p>

<p><b>1110</b></p> <p><b>ePB-2</b></p>	<p>Use the designated method to update the poll list.</p> <p><i>Expected: The poll list is updated with the poll list from step 1060.</i></p> <p><i>Actual:</i></p>
<p><b>1120</b></p> <p><b>ePB-2</b></p>	<p>Use the designated method to configure the electronic poll book for an “Election” state.</p> <p><i>Expected: The electronic poll book is activated to an “Election” state.</i></p> <p><i>Actual:</i></p>
<p><b>1130</b></p> <p><b>ePB-2</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for the voter used in step 1030. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1140</b></p> <p><b>ePB-2</b></p>	<p>Examine the voter registration record to ensure it contains a digital signature and an indication that the voter has received a ballot.</p> <p><i>Expected: The voter registration record reflects the changes input in step 1050.</i></p> <p><i>Actual:</i></p>
<p><b>1150</b></p> <p><b>ePB-2</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for an eligible voter (not used in step 1030). Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1160</b></p> <p><b>ePB-2</b></p>	<p>Use the designated method to digitally input the voter’s signature. Use the designated method to save the signature.</p> <p><i>Expected: The voter’s signature can be input and saved to a voter registration record.</i></p> <p><i>Actual:</i></p>
<p><b>1170</b></p> <p><b>ePB-2</b></p>	<p>Use the designated method to edit the voter registration record. Use the designated method to update the voter registration record to indicate the voter as having received a ballot. Save the update.</p> <p><i>Expected: The voter registration record can be edited and the update can be saved.</i></p> <p><i>Actual:</i></p>
<p><b>1180</b></p> <p><b>ePB-2</b></p>	<p>Use the time keeping device to record the time: _____</p> <p>Use the designated method to transmit the updated poll list to the poll list server. Look for an indication of a successful transfer.</p> <p>Use the time keeping device to record the time: _____</p> <p><i>Expected: The updated voter registration record can be successfully transmitted.</i></p> <p><i>Actual:</i></p>

<p><b>1190</b></p> <p><b>Server</b></p>	<p>On the server, use the designated method to retrieve the transmitted poll list from ePB-2. Examine the voter registration record for the voter information input in step 1150. Ensure the voter registration contains the following:</p> <p>_____ An indication of receiving a ballot</p> <p>_____ Time and date stamp of receiving a ballot</p> <p>_____ A legible digital signature</p> <p><i>Expected: The updated voter registration record can be successfully retrieved and contains the required information.</i></p> <p><i>Actual:</i></p>
<p><b>1200</b></p>	<p>Use the designated method to retrieve the audit records for ePB-1, ePB-2 and the server. If the ability to print the audit records is available print the audit records. Examine the audit records and verify that it contains the transactions that occurred during this test. Also, examine other records looking for indications of the idiosyncrasies of the system.</p> <p><i>Expected: The audit records can be successfully retrieved and contains the required information.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book is capable of transmitting the required information quickly and accurately to the server and retrieve updates from the server.</p>	

TCI: 13 Input of Voter Eligibility	
<b>IN § 10.3 (b) Requirements:</b>  (5) (6)	<p>(5) <i>The electronic poll book must permit a poll clerk to enter information regarding an individual who has appeared to vote to verify whether the individual is eligible to vote, and if so, whether the voter has:</i></p> <p style="padding-left: 40px;">(A) <i>already cast a ballot at the election;</i></p> <p style="padding-left: 40px;">(B) <i>returned an absentee ballot; or</i></p> <p style="padding-left: 40px;">(C) <i>submitted any additional documentation required under IC 3-7-33-4.5.</i></p> <p>(6) <i>After the voter has been provided with a ballot, the electronic poll book must permit a poll clerk to enter information indicating that the voter has voted at the election.</i></p>
<b>Test Objective:</b> To determine if the electronic poll book can be updated for voter eligibility.	<b>Test Configuration:</b> An electronic poll book configured for election day.
<b>Equipment:</b>	None
<b>Special Procedural Requirements:</b>	The voter information to retrieve (3) known eligible voter registration records.
<b>Assumptions:</b>	It is assumed (3) eligible voter registration records exist in the data provided for this test.
Step	Procedure
1000	Use the designed method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.  <i>Expected: The voter information is able to be input and the correct record is retrieved.</i>  <i>Actual:</i>
1010	Use the designated method to edit the voter registration record. Use the designated method to update the voter registration record to indicate the voter as having received a ballot. Save the update.  <i>Expected: The voter registration record can be edited and the update can be saved.</i>  <i>Actual:</i>
1020	Input the information from step 1000 to retrieve the updated voter registration record.  <i>Expected: The voter registration record can be retrieved</i>  <i>Actual:</i>

<b>1030</b>	<p>Examine the voter registration record for an indication that the voter has been given a ballot.</p> <p><i>Expected: The voter registration record has been updated to indicate the voter has previously received a ballot.</i></p> <p><i>Actual:</i></p>
<b>1040</b>	<p>Use the designed method to input the voter information (not previously used in step 1000) to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<b>1050</b>	<p>Use the designated method to edit the voter registration record. Use the designated method to update the voter registration record to indicate the voter as having returned an absentee ballot. Save the update.</p> <p><i>Expected: The voter registration record can be edited and the update can be saved.</i></p> <p><i>Actual:</i></p>
<b>1060</b>	<p>Input the information from step 1040 to retrieve the updated voter registration record.</p> <p><i>Expected: The voter registration record can be retrieved</i></p> <p><i>Actual:</i></p>
<b>1070</b>	<p>Examine the voter registration record for an indication that the voter has returned an absentee ballot.</p> <p><i>Expected: The voter registration record has been updated to indicate the voter returned an absentee ballot.</i></p> <p><i>Actual:</i></p>
<b>1080</b>	<p>Use the designed method to input the voter information (not previously used in step 1000 or 1040) to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<b>1090</b>	<p>Use the designated method to edit the voter registration record. Use the designated method to update the voter registration record to indicate the voter has submitted additional documentation. Save the update.</p> <p><i>Expected: The voter registration record can be edited and the update can be saved.</i></p> <p><i>Actual:</i></p>

<b>1100</b>	<p>Input the information from step 1080 to retrieve the updated voter registration record.</p> <p><i>Expected: The voter registration record can be retrieved</i></p> <p><i>Actual:</i></p>
<b>1110</b>	<p>Examine the voter registration record for an indication that the voter has returned an absentee ballot.</p> <p><i>Expected: The voter registration record has been updated to indicate the voter returned an absentee ballot.</i></p> <p><i>Actual:</i></p>
<b>1120</b>	<p>Use the designated method to generate a report.</p> <p><i>Expected: A report is produced.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book must be able to update the indication for already received a ballot, returned and absentee ballot, and submitted additional documentation.</p>	

TCI: 14 Signature Capture	
<b>IN § 10.3 (b) Requirements:</b>  (11)	<i>(11) The electronic poll book must be used with a signature pad, tablet, or other signature capturing device that permits the voter to make an electronic signature for comparison with the signature displayed under subdivision (10). An image of the electronic signature made by the voter on the signature pad, tablet, or other signature capturing device must be retained and identified as the signature of the voter for the period required for retention under IC 3-10-1-31.1.</i>
<b>Test Objective:</b> To determine if the electronic poll book can capture and retain a voter's signature legible enough for comparison with the signature record on file.	<b>Test Configuration:</b> An electronic poll book configured for election day.
<b>Equipment:</b>	None
<b>Special Procedural Requirements:</b>	The voter information to retrieve (2) known eligible voter registration records.
<b>Assumptions:</b>	It is assumed 2 eligible voter registration records exist in the data provided for this test.
Step	Procedure
<b>1000</b>	Use the designed method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.  <i>Expected: The voter information is able to be input and the correct record is retrieved.</i>  <i>Actual:</i>
<b>1010</b>	Use the designated method to digitally input the voter's signature. Use the designed method to save the signature.  <i>Expected: The voter's signature can be input and saved to a voter registration record.</i>  <i>Actual:</i>
<b>1020</b>	Use the designated method to examine the signature to determine if it is legible enough for comparison.  <i>Expected: The input digital signature is captured in a manner that allows for comparison</i>  <i>Actual:</i>
<b>1030</b>	Use the designed method to input the voter information (not previously used in step 1000) to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.  <i>Expected: The voter information is able to be input and the correct record is retrieved.</i>  <i>Actual:</i>



<p><b>1040</b></p>	<p>Use the designated method to digitally input the voter’s signature. Use the designated method to save the signature.</p> <p><i>Expected: The voter’s signature can be input and saved to a voter registration record.</i></p> <p><i>Actual:</i></p>
<p><b>1050</b></p>	<p>Use the designated method to examine the signature to determine if it is legible enough for comparison.</p> <p><i>Expected: The input digital signature is captured in a manner that allows for comparison</i></p> <p><i>Actual:</i></p>
<p><b>1060</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for the voter in step 1000. Inspect this record to see that the captured digital signature remain with the voter registration record.</p> <p><i>Expected: The voter registration record is retrieved along with the digital signature that was input.</i></p> <p><i>Actual:</i></p>
<p><b>1070</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for the voter in step 1030. Inspect this record to see that the captured digital signature remain with the voter registration record.</p> <p><i>Expected: The voter registration record is retrieved along with the digital signature that was input.</i></p> <p><i>Actual:</i></p>
<p><b>1080</b></p>	<p>Use the designated method to generate a report.</p> <p><i>Expected: A report is produced.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book must digitally capture the voter’s signature in a legible manner and retain the digital signature with the voter’s registration record.</p>	

TCI: 15 Record Retrieval by Bar Code	
<p><b>IN § 10.3 (b) Requirements:</b></p> <p>(12)</p>	<p><i>(12) The electronic poll book must include a bar code reader or tablet that:</i></p> <p><i>(A) permits a voter who presents an Indiana driver's license or a state identification card issued under IC 9-24-16 to scan the license or card through the bar code reader or tablet; and</i></p> <p><i>(B) has the capability to display the voter's registration record upon processing the information contained within the bar code on the license or card.</i></p>
<p><b>Test Objective:</b> To determine if the electronic poll book can retrieve and display the voter registration record be a bar code on an Indiana driver's license or state identification card.</p>	<p><b>Test Configuration:</b> An electronic poll book configured for election day.</p>
<p><b>Equipment:</b></p>	<p>(2) Valid Indiana driver's license with corresponding voter registration records</p> <p>(2) Valid state issued identification cards with corresponding voter registration records</p>
<p><b>Special Procedural Requirements:</b></p>	<p>None</p>
<p><b>Assumptions:</b></p>	<p>The data used in test execution will contain voter registration records for the identifications being tested.</p>
Step	Procedure
<p><b>1000</b></p>	<p>Use the designated method to read the bar code provided on the source media. Use the designated method to retrieve the voter registration record.</p> <p><i>Expected: The voter registration record can be displayed by bar code input.</i></p> <p><i>Actual:</i></p>
<p><b>1010</b></p>	<p>Examine the voter registration record retrieved in step 1000. Compare the voter registration record to the source media to determine if the retrieved information matches the information provide on the source media.</p> <p><i>Expected: The information provided by the electronic poll book matches the information provided by the bar code on the source media.</i></p> <p><i>Actual:</i></p>

<p><b>1020</b></p>	<p>Repeat step 1000 and 1010 three additional times until all source media has been scanned</p> <p>___ Second source media          ___ Third source media          ___ Fourth source media</p> <p><i>Expected: The electronic poll book can successfully retrieve corresponding records using a bar code input.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book can accurately retrieve and display voter registration records using bar codes from both an Indiana driver license and state issued identification card.</p>	

TCI: 10 Supported Elections	
<p><b>IN § 10.3 (b) Requirements:</b></p> <p>(14)</p>	<p><i>(14) The electronic poll book must have the ability to be used in conformity with this title for:</i></p> <p><i>(A) any type of election conducted in Indiana; or</i></p> <p><i>(B) any combination of elections held concurrently with a general election, municipal election, primary election, or special election.</i></p>
<p><b>Test Objective:</b> To determine if the electronic poll book supports a general election, municipal election, primary election, or a special election as well as any combination of concurrent elections.</p>	<p><b>Test Configuration:</b> An electronic poll book without any voter registration data loaded but configured to support an election on election day.</p>
<p><b>Equipment:</b></p>	<p>None</p>
<p><b>Special Procedural Requirements:</b></p>	<p>Prior to test execution the electronic poll book manufacturer will create voter registration data to support the following types of elections:</p> <ul style="list-style-type: none"> <li>• General election</li> <li>• Municipal election</li> <li>• Primary election</li> <li>• Special election</li> <li>• Special election in conjunction with either a General or a Primary election</li> </ul>
<p><b>Assumptions:</b></p>	<p>Since the voter registration data is not specific to the type of election, but to the eligibility and ineligibility of voters the voter registration data provide may be the same for all types of elections. The voter information to retrieve a known eligible voter’s registration records for each type of election.</p>
Step	Procedure
<p><b>1000</b></p>	<p>Use the designated method to program the electronic poll book with the voter registration information to support a general election.</p> <p><i>Expected: The electronic poll book is able to be programmed to support a general election.</i></p> <p><i>Actual:</i></p>

<p><b>1010</b></p>	<p>Use the designated method to activate the electronic poll book to an “Election” state.</p> <p><i>Expected: The electronic poll book is activated and in a “Ready for Use” state.</i></p> <p><i>Actual:</i></p>
<p><b>1020</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1030</b></p>	<p>Use the designated method to program the electronic poll book with the voter registration information to support a municipal election.</p> <p><i>Expected: The electronic poll book is able to be programmed to support a municipal election.</i></p> <p><i>Actual:</i></p>
<p><b>1040</b></p>	<p>Use the designated method to activate the electronic poll book to an “Election” state.</p> <p><i>Expected: The electronic poll book is activated and in a “Ready for Use” state.</i></p> <p><i>Actual:</i></p>
<p><b>1050</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1060</b></p>	<p>Use the designated method to program the electronic poll book with the voter registration information to support a primary election.</p> <p><i>Expected: The electronic poll book is able to be programmed to support a primary election.</i></p> <p><i>Actual:</i></p>
<p><b>1070</b></p>	<p>Use the designated method to activate the electronic poll book to an “Election” state.</p> <p><i>Expected: The electronic poll book is activated and in a “Ready for Use” state.</i></p> <p><i>Actual:</i></p>
<p><b>1080</b></p>	<p>Use the designated method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>

<b>1090</b>	<p>Use the designated method to program the electronic poll book with the voter registration information to support a special election.</p> <p><i>Expected: The electronic poll book is able to be programmed to support a special election.</i></p> <p><i>Actual:</i></p>
<b>1100</b>	<p>Use the designated method to activate the electronic poll book to an “Election” state.</p> <p><i>Expected: The electronic poll book is activated and in a “Ready for Use” state.</i></p> <p><i>Actual:</i></p>
<b>1110</b>	<p>Use the designated method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book can be programmed for each type of election and retrieve voter registration records in support of each type of election.</p>	

TCI: 09 Diagnostic Communications	
<p><b>IN § 10.3 (b) Requirements:</b></p> <p>(16)</p>	<p><i>(16) The electronic poll book must enable a precinct election officer to verify that the electronic poll book:</i></p> <p><i>(A) has been set up correctly;</i></p> <p><i>(B) is working correctly so as to verify the eligibility of the voter;</i></p> <p><i>(C) is correctly recording that a voter has voted; and</i></p> <p><i>(D) has been shut down correctly.</i></p>
<p><b>Test Objective:</b> To determine that the electronic book poll provides diagnostic communication to verify the device is set up correctly, working correctly, correctly recording a voter has been given a ballot, and has been shut down correctly.</p>	<p><b>Test Configuration:</b> An electronic poll book loaded with the proper version of firmware and configured with voter information in a pre-election state.</p>
<p><b>Equipment:</b></p>	<p>None</p>
<p><b>Special Procedural Requirements:</b></p>	<p>The voter information to retrieve (2) known eligible voter registration records.</p>
<p><b>Assumptions:</b></p>	<p>The electronic poll book is loaded with voter information, but is not in an “Election” state. It is assumed (2) eligible voter registration records exist in the data provided for this test.</p>
<p><b>Step</b></p>	<p><b>Procedure</b></p>
<p><b>1000</b></p>	<p>Ensure the electronic poll book is in a “Pre-Election” state and not activated to an “Election” state.</p> <p><i>Expected:</i> The electronic poll book is loaded with voter information and is in a “Pre-Election” state.</p> <p><i>Actual:</i></p>

<p><b>1010</b></p>	<p>Use the designated method to input information necessary for access to the electronic poll book for Party 1. Use the designated method to input information necessary for access to the electronic poll book for Party 2.</p> <p><i>Expected: The electronic poll book is activated to an “Election” state with the coordinated action of Party 1 and Party 2.</i></p> <p><i>Actual:</i></p>
<p><b>1020</b></p>	<p>After activation to an “Election” state, use the designated method to verify the electronic poll book is set up correctly and properly working to verify the eligibility of voters.</p> <p><i>Expected: The electronic poll book will provide an indication or notification that the configuration is correctly set up and in a “Ready for Use” state.</i></p> <p><i>Actual:</i></p>
<p><b>1030</b></p>	<p>Use the designed method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<p><b>1040</b></p>	<p>Use the designated method to digitally input the voter’s signature. Use the designated method to save the signature.</p> <p><i>Expected: The voter’s signature can be input and saved to a voter registration record.</i></p> <p><i>Actual:</i></p>
<p><b>1050</b></p>	<p>Use the designated method to examine the signature to determine if it is legible enough for comparison.</p> <p><i>Expected: The input digital signature is captured in a manner that allows for comparison</i></p> <p><i>Actual:</i></p>
<p><b>1060</b></p>	<p>Use the designated method to edit the voter registration record. Use the designated method to update the voter registration record to indicate the voter as having received a ballot. Save the update. Look for an indication or notification that the record correctly recorded this update.</p> <p><i>Expected: The electronic poll book provides an indication or notification that the voter registration record was correctly saved when an update is made to the status of the voter.</i></p> <p><i>Actual:</i></p>
<p><b>1070</b></p>	<p>Use the designated method to input the voter information from step 1030 to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>



<p><b>1080</b></p>	<p>Examine the voter registration record for an indication that the voter has been given a ballot.</p> <p><i>Expected: The voter registration record has been updated to indicate the voter has previously received a ballot.</i></p> <p><i>Actual:</i></p>
<p><b>1090</b></p>	<p>Use the designated method to generate a report.</p> <p><i>Expected: A report is produced.</i></p> <p><i>Actual:</i></p>
<p><b>1100</b></p>	<p>Use the designated method to shut down the electronic poll book.</p> <p><i>Expected: The electronic poll book displays an indication that the electronic poll book has been shut down correctly and shuts down.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book provides verification that the device is set up correctly, working correctly, correctly recording that a voter has been given a ballot, and has been shut down correctly.</p>	

**TCI: 06 Product Safety (Commercial Off the Shelf - COTS)**

**IN § 10.3 (b) Requirements:**

(18)





*(18) The electronic poll book and any hardware attached to the electronic poll book must be designed to prevent injury or damage to any individual or the hardware, including fire and electrical hazards.*

**Test Objective:** To determine if the electronic poll book and peripheral are designed to prevent injury and can be safely operated.

**Test Configuration:** The electronic poll book configured for election day including all peripherals

**Test Method:**

The method for testing this requirement will be inspection. For COTS equipment, the examiner will examine the device for product labeling. This labeling is usually around the area of the power supply, the rear of the device, or on the bottom of the device. The labels needed to meet this requirement will be an NRTL accredited test laboratory label, the most common of which is the UL label (depicted below). The examiner will inspect for the following product labels.

Conformité Européenne "European Conformity"	Underwriters Laboratories	Canadian Standards Association	Geprüfte Sicherheit "Tested Safety"
			

If the device contains any of these product labels the conformance claim should be accepted.

If the device does not contain any of these product labels, but does have product labeling the examiner will photographically document the labeling and research whether the conformance claim is self-declared or independently tested and to what standard.

If the conformance claim is independently tested to an industry accepted standard, the conformance claim should be accepted.

If the conformance claim is self-declared or not to an industry accepted standard, the electronic poll book manufacturer will be asked to research and provide the data upon which the device manufacturer basis their claim for further review by the examiner.

**Criteria for Evaluation of the Test Results:** A verifiable conformance claim of product safety can be established.

**Comments:**

Examiner Approval: \_\_\_\_\_ Date: \_\_\_\_\_

<b>TCI: 07 Product Safety (Proprietary)</b>	
<b>IN § 10.3 (b) Requirements:</b>  (18)	<i>(18) The electronic poll book and any hardware attached to the electronic poll book must be designed to prevent injury or damage to any individual or the hardware, including fire and electrical hazards.</i>
<b>Test Objective:</b> To determine if the electronic poll book and peripheral are designed to prevent injury and can be safely operated.	
<b>Test Configuration:</b> The electronic poll book configured for election day including all peripherals	
<p><b>Test Method:</b></p> <p>The method for testing this requirement will be review. For proprietary equipment, the examiner will review all submitted third party test reports from a National Recognized Testing Laboratory (NRTL).</p> <p>If the device has not been tested, the electronic poll book manufacturer must provide two documented references to proven field use for five years. The documented references shall contain the following:</p> <p><b>Customer Name:</b></p> <p><b>Customer Address:</b></p> <p><b>Customer Telephone Number:</b></p> <p><b>Product Purchased:</b></p> <p><b>Date of Purchase:</b></p> <p><b>Known Field Issues:</b></p> <p>The examiner will review the documented references and contact each reference. The examiner will document the discussion about the product and present the finding as part of the final report.</p> <p>If the device has not been fielded for a period of five years or does not have two documented references, the examiner will present these findings as part of the final report.</p>	
<b>Criteria for Evaluation of the Test Results:</b> A verifiable conformance claim of product safety can be established.	

**Comments:**

Examiner Approval: \_\_\_\_\_ Date: \_\_\_\_\_

TCI: 05 Loss and Restoration of Connectivity	
<b>IN § 10.3 (b) Requirements:</b>  (22)	<i>(22) The electronic poll book must:</i>  <i>(A) permit a voter to sign the poll book even when there is a temporary interruption in connectivity to the Internet; and</i>  <i>(B) provide for the uploading of each signature and its assignment to the voter's registration record.</i>
<b>Test Objective:</b> To determine if the electronic poll book will capture a digital signature with a disruption of connectivity and upload the signatures to the voter registration record once connectivity is restored.	<b>Test Configuration:</b> An electronic poll book configured for election day.
<b>Equipment:</b>	None
<b>Special Procedural Requirements:</b>	The voter information to retrieve (3) known eligible voter registration records.
<b>Assumptions:</b>	It is assumed 3 eligible voter registration records exist in the data provided for this test.
Step	Procedure
1000	Use the designated method to disconnect connectivity of the electronic poll book.  <i>Expected: The connectivity of the electronic poll book can be disconnected.</i>  <i>Actual:</i>
1010	Use the designed method to input the voter information to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.  <i>Expected: The voter information is able to be input and the correct record is retrieved.</i>  <i>Actual:</i>
1020	While connectivity is disrupted, use the designated method to digitally input the voter's signature. Use the designed method to save the signature.  <i>Expected: The voter's signature can be input and saved to a voter registration record.</i>  <i>Actual:</i>

<b>1030</b>	<p>Use the designed method to input the voter information (not previously used in step 1010) to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<b>1040</b>	<p>While connectivity is disrupted, use the designated method to digitally input the voter's signature. Use the designed method to save the signature.</p> <p><i>Expected: The voter's signature can be input and saved to a voter registration record.</i></p> <p><i>Actual:</i></p>
<b>1050</b>	<p>Use the designed method to input the voter information (not previously used in step 1010 or 1030) to retrieve the voter registration record for an eligible voter. Input the voter information and retrieve the voter record.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved.</i></p> <p><i>Actual:</i></p>
<b>1060</b>	<p>While connectivity is disrupted, use the designated method to digitally input the voter's signature. Use the designed method to save the signature.</p> <p><i>Expected: The voter's signature can be input and saved to a voter registration record.</i></p> <p><i>Actual:</i></p>
<b>1070</b>	<p>Use the designated method to restore connectivity. Ensure there is an indication that the electronic poll book is working correctly and connectivity has been restored (IN §10.3 (b) (16) (B))</p> <p><i>Expected: Connectivity can be restored and there is an indication the electronic poll book is working correctly.</i></p> <p><i>Actual:</i></p>
<b>1080</b>	<p>Use the designated method to upload/update the information processed while there was disruption connectivity.</p> <p><i>Expected: The voter information that was processed by the electronic poll book can be uploaded / updated.</i></p> <p><i>Actual:</i></p>
<b>1090</b>	<p>Use the designed method to input the voter information to retrieve the voter registration record for the eligible voter input in step 1000. Input the voter information and retrieve the voter record. Verify the digital signature input during disruption of connectivity is retained with the voter registration record and is legible.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved. The digital signature input during disruption of connectivity is retrieved and is legible.</i></p> <p><i>Actual:</i></p>

<p><b>1100</b></p>	<p>Use the designed method to input the voter information to retrieve the voter registration record for the eligible voter input in step 1030. Input the voter information and retrieve the voter record. Verify the digital signature input during disruption of connectivity is retained with the voter registration record and is legible.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved. The digital signature input during disruption of connectivity is retrieved and is legible.</i></p> <p><i>Actual:</i></p>
<p><b>1110</b></p>	<p>Use the designed method to input the voter information to retrieve the voter registration record for the eligible voter input in step 1050. Input the voter information and retrieve the voter record. Verify the digital signature input during disruption of connectivity is retained with the voter registration record and is legible.</p> <p><i>Expected: The voter information is able to be input and the correct record is retrieved. The digital signature input during disruption of connectivity is retrieved and is legible.</i></p> <p><i>Actual:</i></p>
<p><b>1120</b></p>	<p>Use the designated method to generate a report.</p> <p><i>Expected: A report is produced.</i></p> <p><i>Actual:</i></p>
<p><b>Criteria for Evaluation of the Test Results:</b> The electronic poll book must permit a voter to digitally sign the poll book with a disruption in connectivity and upload / update this information once connectivity is restored. The updated / uploaded information must be retained with the voter registration record and the digital signature must be legible.</p>	