

Electronic Poll Books

Presented to:
The State of New Hampshire

RFI V 0.1

REQUEST FOR INFORMATION FOR ELECTRONIC POLL BOOKS

PROPOSAL DUE DATE:
March 31, 2017

William M. Gardner
New Hampshire Secretary of State
State House
107 North Main Street
Concord, NH 03301



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Transmittal Letter:

Anthony Stevens
Assistant Secretary of State
New Hampshire Office of the Secretary of State
107 North Main Street
Concord, MA 03301

RE: RFI V 0.1- Electronic Poll Books

March 31, 2017

Dear Mr. Stevens:

ELECTEC Election Services is pleased to submit this RFI to the State of New Hampshire in response to RFI V 0.1 for Electronic Poll Books. You will find that our System, the Advocate ePoll Book is fully compliant with all the requirements set forth in this RFI.

You will find our proposal follows the format and sequence required as detailed in the RFI. ELECTEC Election Services is a female owned elections company located in Hartford, CT with offices in Mount Holly, NJ; Austin, TX; Cleveland, OH; Chicago, IL and Baltimore, MD. Our experience with Election Implementations and Election Systems and Electronic Poll Books involves nearly 300 Jurisdictions in 6 states, including the Commonwealth of Virginia, the City of Philadelphia and the entire State of Delaware.

In closing, we are very confident that our proposal meets all specific requirements and technical objectives. We look forward to working closely with the State of New Hampshire on this important project. Please do not hesitate to contact me at 860-416-3047 to discuss this RFI or any of the material presented.

Regards,

Matthew Lilly
President
ELECTEC Election Services

Cover Letter:

Anthony Stevens
Assistant Secretary of State
New Hampshire Office of the Secretary of State
107 North Main Street
Concord, MA 03301

RE: RFI V 0.1- Electronic Poll Books

March 31, 2017

Dear Mr. Stevens:

ELECTEC, Election Services, Inc. appreciates the opportunity to submit this response to the State of New Hampshire, RFI Solicitation to furnish, deliver and install Electronic Poll Books. We fully understand the requirements, the scope, and the extent of the RFI as received. Our comprehensive response to the RFI is contained herewith, and will accurately reflect our thorough knowledge of your request, and clearly represents our ability to meet the established and required guidelines.

ELECTEC Election Services, Inc. has addressed the concerns of removing the bottleneck created at the registration table by offering *Advocate*, a comprehensive electronic poll management system, created and designed to provide efficiency, economy, ease of use, accuracy, and flexibility for the voter qualification and authorization process.

ELECTEC Election Services, Inc. is a privately held, female owned and managed organization with some of the industries most experienced election professionals who endeavor to market the industries best designed electronic poll book products together with an exceptional 33 year track record. ELECTEC was founded on core values where:

- **We are passionate about our customers!**
- **We are accountable, your success is our success.**
- **Voice of the Customer drives action.**
- **Honesty, Integrity and openness in all our dealings.**
- **Positive, Proactive, Team Players!**
- **Embrace Change and Constant Improvement.**
- **There are Only Solutions!**

Advocate is one of our flagship products and our electronic poll book is not a secondary product line used to support a higher profile voting system or voter registration system, so most of our energies and intellectual capital are invested in the strength,

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preservation, and on-going improvement of the *Advocate*.

ELECTEC Election Services, Inc. is independent from any voter registration and election equipment companies. Our impartiality allows us to work with all of the election system providers. Our primary objective is the successful and timely installation of *Advocate* in the State of New Hampshire.

Our Advocate ePoll Book is ready for immediate delivery and implementation in accordance with the requirements of this RFI. Major modifications or design changes are not warranted for our product to operate capably in a live election in the State of New Hampshire. Consequently, we can meet the installation, training, and first use deadlines already established, guaranteeing customer and voter confidence immediately.

We are honored to submit this RFI response, with the aim of helping the voters and election officials in the State of New Hampshire conduct elections as responsibly, as smoothly, and as effortlessly as possible. We trust you will find our offering acceptable, reasonable, and highly professional. ELECTEC Election Services, Inc. looks forward to working with the State of New Hampshire to ensure that Democracy succeeds for all people.

Respectfully yours,

Matthew Lilly, President
ELECTEC Election Services, Inc.
860-416-3047
mlilly@electecinc.com

Executive Summary and Company Background

We are pleased that the State of New Hampshire has embraced the advancement of technology in the electoral process to help improve the election experience and improve the voter check-in process by acquiring Electronic Poll Books. To provide a fair, fast, accurate, and cost-effective voter check-in process and to provide election officials in the State with technology that streamlines the overall administration of elections.

The improvement in the communication, reporting, availability of information and voter metrics will continue to drive development and innovations within the State and Local Elections Office and delivering that information to the Electorate and Election Officials will continue to improve the election experience and potentially increase turnout.

We propose a System with an architecture that is based on a commercial platform with leading edge technology that will continue to grow with the State. Our solution uses Industry Standard, off-the-shelf equipment that is utilized all over the world to ensure platform stability, protect against obsolescence and offer a much longer lifespan over proprietary and niche based product solutions. In addition, our solution will ensure platform stability, reduced cost of ownership and provide a respectable return on investment.

Our Election Integration and development experience spans over 30 years, since 1983, servicing and supporting over 300 Jurisdictions and hundreds of Private Corporations and Union Organizations throughout the United States and Virgin Islands. We conduct over 100 Elections per year, ensuring that nearly 10 Million Voters can cast their ballot in-person, by-mail, and electronically, including large metropolitan cities like Philadelphia and smaller states like Delaware.

We will completely implement the proposed solution which contains the main requirements as detailed in the RFI:

1. ELECTEC Election Services will include delivery, install, implement, support and maintain of all components of the System, which includes, the hardware, software, and associated equipment that will work seamlessly with the State's Voter Registration System to download and upload voter data and voter history.
2. ELECTEC Election Services will deliver and provide the required training on the System.
3. ELECTEC Election Services proposal includes a maintenance and support agreement for the Term.
4. ELECTEC Election Services acknowledges that the State will rely on our experience and expertise in the field of elections, and take into consideration that our System, as proposed, is used throughout the Commonwealth of Virginia for over 6 years where there are 10,000 EPB's

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deployed. In addition to this specific experience, ELECTEC's Election Integration and development experience spans over 30 years, since 1983, servicing and supporting over 300 Jurisdictions and hundreds of Private Corporations and Union Organizations throughout the United States and Virgin Islands. We conduct over 100 Elections per year, ensuring that nearly 10 Million Voters can cast their ballot in-person, by-mail, and electronically, including large metropolitan cities like Philadelphia and smaller States like Delaware.

Advocate ePoll Book is more than a look-up device. Advocate provides that basic functionality and also addresses the many features and functions that can scale as you become familiar with its capabilities, power, and vast informational metrics available to use today and into the future.

The centerpiece of the Advocate system is our industry leading, powerful Administrator's module. This is a full-featured Election management system, which will allow for the ability to efficiently manage the creation, deployment, and reconciliation of Voter Rosters, Voter History, and Election Data while providing a comprehensive solution to reduce costs, increase efficiencies and ensure accurate collection of voter history and voter participation information.

The Advocate system is a fully integrated product that will allow administrators the ability to extract data from the your Voter Registration System, Department of Motor Vehicles, vital records, or any other department, and manage that data for effective poll book creation, usage and processing.

The Advocate ePoll Book module is scalable to be able to meet the changing needs. Each unit is capable of running as a stand-alone poll site or part of an Election Services of networked check-in stations at one voting location or with connectivity directly to the Elections Office.

Our approach stems from many years of elections services, teamed with a staff comprised of former elections officials. The end result is the creation of a design and engineering of a product that enlisted the views, opinions, and feedback of the typical election worker prior to its development and final release.

The Advocate ePoll Book uses non-proprietary commercial off the shelf hardware (COTS) and is compatible with Android, Apple IOS, Windows 7, 8.1 and 10. It is suitable for deployment on Android Tablets, Apple iPads, PC's, Windows and Apple Laptops.

Our decision early in the development process to utilize COTS hardware would benefit the Jurisdiction and allow them to take full advantage of improved volume purchasing, better manage hardware lifecycles and plan for future hardware obsolescence. Our



product is a software solution that will maintain a much longer lifecycle through product updates and patches – we are not tied to a specific Operating System or platform and consequently offer a much longer lifespan.

ELECTEC Election Services has unparalleled experience and expertise in developing, deploying and integrating large government programs since 1983. Our large-scale Election expertise has been applied to develop the new ELECTEC Advocate precinct management system. This modular, full-featured precinct management system will allow the ability to efficiently manage all poll-site data while providing a comprehensive solution to reduce costs, increase efficiencies and ensure accurate collection of voter registration information.

ELECTEC Election Services was founded in Mt. Holly, New Jersey, incorporating a Hartford, Connecticut administration office, as well as field offices in Baltimore, Maryland, Cleveland and Chicago to service our customers with integrity and confidence. Simultaneously we sought to become a multi-faceted provider of services, support and solutions to election administrators, poll workers, and voters.

ELECTEC Election Services, Inc. is represented by the strength and depth of experience of its personnel and in the substantial and significant product development it has to offer. ELECTEC has concentrated on engineering and innovative delivery of advanced election focused software and services while maintaining a keen eye on government budget constraints and focus on keeping costs low.

The company is owned, operated, and employs election experienced, former elections officials and trained individuals, many of whom have devoted their careers to improving and enhancing the voting experience. ELECTEC Election Services, Inc. from its inception has concentrated its efforts and energies on serving the election community. We strive to be the premier provider of electronic poll book technology, vote verification and validation solutions.

ELECTEC Election Services stands above all others in terms of system delivery, execution, technical expertise, and on-going support. We bring unrivaled expertise to every customer. Our service professionals have honed their planning, design, implementation, training and support skills over the last 32 years in some of the largest, most complex Municipalities in the Nation. ELECTEC Election Services has the expertise to help achieve your goals of providing a low-cost, secure and easy-to-use precinct management system, while maintaining your independence to work freely, efficiently and cost effectively.

ELECTEC Election Services will help you achieve:

- Faster implementation & smoother integration
- Greater productivity

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ELECTEC Election Services, Inc. 151 New Park Avenue, Hartford, CT 06106
Toll-free 1-800-833-9912 | www.electecinc.com | tom@electecinc.com

- Lower costs
- Superior outcomes
- Overall system improvement

Teamwork and trust are the key elements in our relationships with our customers. It is this philosophy that allows us to appeal to the needs of the elections industry and meet expectations and execute deliverables in order to foster confidence to our customers.

We have served the elections industry dating back to 1983 and have participated in the evolution of equipment and technology advancements, from punch cards to touch screens. We have been present during the many successes in the industry, this experience provides us both the opportunity to have learned from the past, and affords us the ability to build a company that is designed to be a positive influence for the election community today and in the future.

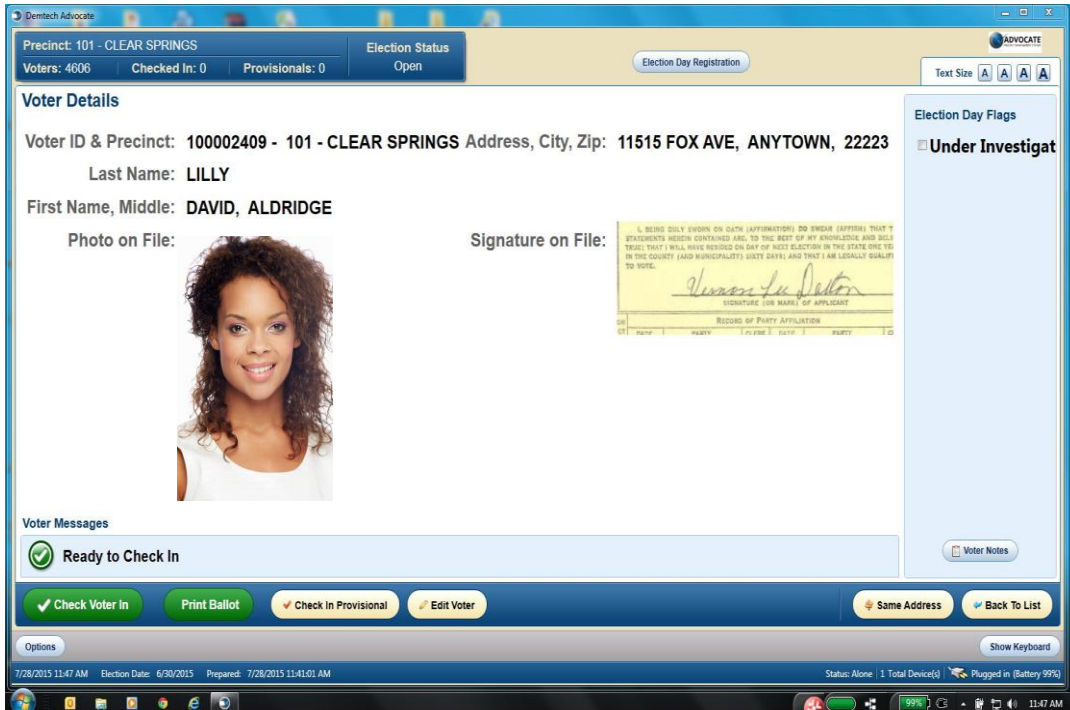
ELECTEC ePoll Books

ELECTEC Election Services, offers our Electronic Poll Book – Advocate, a total poll management solution, to streamline the entire election process, from pre-election preparation, to absentee eligibility, to managing provisional voters, to Election Day voter qualification, and ultimately, all the way through the post-election voter history update.


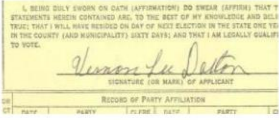
Advocate ePoll Books are utilized throughout the State of Virginia in over 133 Counties with 5 Million Registered Voters and 10,000 ePoll Books. It has been developed by some of the Industry's most forward thinking and evolutionary individuals who anticipated that the introduction of this technology would enhance and improve efficiencies in the Election setup, check-in and reporting processes. The Advocate ePoll Book has been in operation throughout Virginia since 2008. Additionally, Advocate has been fully tested, vetted and utilized in elections in Connecticut, New Jersey, New York, Ohio, Maryland, West Virginia, Minnesota, Massachusetts, Colorado and Pennsylvania.

Key findings from ELECTEC projects and usage around the Country:


1. Prefer software systems that are not dependent on proprietary hardware.
2. Want the ability to import and export voter data to their voter registration system without the need for vendor assistance or upcharges.
3. EPB's contribute to a significant reduction in call volume to determine a voter's eligibility and precinct.



Precinct: 101 - CLEAR SPRINGS
Voters: 4606 Checked In: 0 Provisionals: 0 Election Status: Open

Voter Details
Voter ID & Precinct: 100002409 - 101 - CLEAR SPRINGS Address, City, Zip: 11515 FOX AVE, ANYTOWN, 22223
Last Name: LILLY
First Name, Middle: DAVID, ALDRIDGE
Photo on File: 
Signature on File: 

Election Day Flags
☐ Under Investigat

Voter Messages
 Ready to Check In

[Check Voter In](#) [Print Ballot](#) [Check in Provisional](#) [Edit Voter](#) [Same Address](#) [Back To List](#)

Options: [Show Keyboard](#)

7/28/2015 11:47 AM Election Date: 6/30/2015 Prepared: 7/28/2015 11:41:01 AM Status: Alone | 1 Total Device(s) Plugged in (Battery 99%)

SECTION 4: SYSTEM REQUIREMENTS

4.1 Procedural Indicative Requirements

PROCR-1: Vendor to provide two *electronic poll book systems*.
{(potential) requirement Type: **mandatory**}

Description: As of the date of the vendor's application for approval of the *electronic poll book system* by the secretary of the state, the vendor must provide at least two complete working *electronic poll book systems* to the State of New Hampshire for evaluation against the (potential) requirements of the New Hampshire Secretary of State.

ELECTEC RESPONSE:

ELECTEC Election Services understands this potential requirement and will provide the required number of electronic poll book systems that the state shall request.

PROCR-2: Vendor to provide list of customers.
{(potential) requirement Type: *mandatory*}

Description: The vendor must provide a list of customers who are using, or have previously used, the vendor's *electronic poll book system*. This list must be current as of the date of the vendor's application for approval of the *electronic poll book system* by the Secretary of the State.

ELECTEC RESPONSE:

ELECTEC Election Services understands this requirement and will provide the list of customers when it is requested by the State.

PROCR-3: Vendor to provide list of known anomalies.
{(potential) requirement Type: *mandatory*}

Description: The vendor must provide a description of any known anomalies in the function of the *electronic poll book system* as well as a description of the method for resolving those anomalies. This list should be current as of the date of the vendor's appearance at the March 31, 2017 Vendor Fair and Interview. It must be compliant with RSA 659:13, RSA 659:14 and the Ballot Clerk Procedures for the State Primary and the General Election.

ELECTEC RESPONSE:

As of the 31st March 2017 there are no known anomalies bugs or issues awaiting development or change management processes within the Management Helpdesk.

Reporting of anomalies is handled through the helpdesk as an 'incident' any incidents are handled immediately and in most instances are simple user issues. If a consistent anomaly is identified then a thorough investigation is conducted including log reviews, data capture and key stroke logs. If the incident becomes an anomaly than a problem ticket is created on the helpdesk which is then added to the backlog and revised into the current or future sprints for development.

PROCR-4: Compiling, importing, and exporting *local voter database*.
{(potential) requirement Type: *mandatory*}

Description: Compiling the *local voter database*, importing it into the *electronic poll book system* from the SVRS, and exporting it from the *electronic poll book system* must not require vendor involvement.

ELECTEC RESPONSE:

The Advocate precinct management system greatly simplifies the data management portion of the electronic poll book process. Data is exported from SVRS and other sources, such as the motor vehicle department, and imported into the Administrator's module at the Local or State level. It is here where the updates to the poll book—such as voter deletions and additions, supplemental data feeds and absentee updates—are added to the poll book roster.

PROCR-5: Vendor to provide a pre-use fitness test for the *electronic poll book system*.

*{(potential) requirement Type: **mandatory**}*

Description: The vendor shall provide instructions and materials sufficient to carry out a fitness test of the *electronic poll book system* and *electronic poll books* before their use in an election. The test should be thorough enough to demonstrate that the subject is in basic working order.

ELECTEC RESPONSE:

ELECTEC will provide the State of New Hampshire with a set of Acceptance Testing Procedures for both the Advocate hardware and software components. Additionally, ELECTEC Election Services, Inc. will provide a set of software acceptance test plans to New Hampshire which detail a series of tests performed to confirm and validate that Advocate meets their requirements. There are also logic and accuracy tests conducted and concluded prior to deployment for any primary, general or special election to ensure correct functionality and voter data.

PROCR – 6: Vendor to suggest trial format that enables check of EPB accuracy against paper checklist.

*potential) requirement Type: **mandatory**}*

Description: The vendor shall provide instructions and materials sufficient to carry out an accuracy test of the *electronic poll book system* and *electronic poll books* before their use in an election. The test should be thorough enough to demonstrate that the subject operates when tested against a marked paper checklist.

ELECTEC RESPONSE:

Advocate allows the Election Official to compare the voters on a marked paper checklist, to the voters in the poll book by using the “Test Function” in the Administrators module. The Test Function is an extremely valuable feature in Advocate that gives the Election Official the ability to open the Poll Book in ‘Read Only’ or ‘Test’ mode. This feature allows the Election Official to examine the system for accuracy, as well as randomly check voter names, voter status’, voter counts, as well as test the functions of the ePoll Book completely – providing the highest level of confidence to system Administrator’s prior to deployment on Election Day.

PROCR – 7: Vendor to provide pre-use fitness test that demonstrates what happens if and when Wi-Fi or other electronic capability become inoperative during Election Day.

*{(potential) requirement Type: **mandatory**}*

Description: The vendor shall provide instructions and materials sufficient to carry out a test of the *electronic poll book system* and *electronic poll books* in which various electronic components fail to function as expected. The test should be thorough enough to demonstrate that the subject EPBS recovers after electronic components fail.

ELECTEC RESPONSE:

ELECTEC will provide the State of New Hampshire with instructions and materials that will set out the procedures for the testing of the electronic poll book system and the included poll books. This test will include the syncing and connectivity of all devices within the specified system. The test procedures will also include a series of tests to see what would happen if the electronic components fail within the system and how they would be brought back online. These tests will be conducted and concluded prior to deployment for any election, primary or special election. Elections officials from the state or municipalities will verify that all tests execute as specified in the test plan documents. Deviations will be noted, and will result in either a correction to the software, or to the test plan, or both, depending on where the fault lies. After corrections are made, all tests will be re-run until all pass completely.

4.2 External Interface Indicative Requirements

4.2.1 User Interface Indicative Requirements

UIR-1: Ballot clerk and Supervisor of the checklist interface.

*{(potential) requirement Type: **mandatory**}*

Description: An *electronic poll book* must provide a *user interface* through which authorized users can verify an individual's voting eligibility and document the voter's election related activity. This interface must enable authorized users to perform updates to, and lookups of, *voter registration records* and *voter activity records* included in the *local voter database*. Specifically, the interface must allow a *ballot clerk* to access all functionality outlined in the following (potential) requirements: **FR-7, FR-8, FR-9, FR-11, and FR-14**. This interface is subject to the following security access management (potential) requirements: **SR-14**.

ELECTEC RESPONSE:

Advocate does allow for an authorized user to verify an individual's voting eligibility and document the voter's election related activities. A user can perform updates and lookups of voter registration and their activity records. The user will be able to perform all the functionality that is required in the above mentioned sections.

UIR-2: Configuration interface.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must provide a *user interface* through which authorized users can configure the system. This includes the initial setup of the system, reconfiguration, viewing the current configuration, as well as adding or removing *electronic poll books*. Specifically, the interface must allow authorized users to access all functionality outlined in the following (potential) requirements: **FR-1, and FR-2**. This interface is subject to the following security access management (potential) requirements: **SR-15**.

lowing security access management (potential) requirements: **SR-14**.

ELECTEC RESPONSE:

The centerpiece of the Advocate system is our industry leading, robust Administrator's module. This is a full-featured Election management system, which will allow New Hampshire municipalities the ability to efficiently manage the creation, deployment, and

reconciliation of Voter Rosters, Voter History, and Election Data while providing a comprehensive solution to each and every locality to reduce costs, increase efficiencies and ensure accurate collection of voter history and voter participation information.

UIR-3: Diagnostic interface.

{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* must provide a *user interface* through which authorized users can perform system diagnostics and validation by viewing, printing, and exporting the *audit log* of the system. Specifically, the interface must allow authorized users to access all functionality outlined in the following (potential) requirements: **FR-15**. This interface is subject to the following security access management (potential) requirements: **SR-16**.

ELECTEC RESPONSE:

The Advocate system Administrator's module is a full-featured Election management system, which will allow municipalities the ability to efficiently manage the creation, deployment, and reconciliation of Voter Rosters, Voter History, and Election Data while providing a comprehensive solution to each and every locality to reduce costs, increase efficiencies and ensure accurate collection of voter history and voter participation information.

UIR-4: Administrative interface.

{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* must provide a *user interface* through which authorized users can manage user accounts within an *electronic poll book system*. This includes adding and removing users and managing their access privileges. This interface is subject to the following security access management (potential) requirements: **SR-17**.

ELECTEC RESPONSE:

The state or municipality can manage the users and their permissions through the Administrator's module.

UIR-5: Local voter database interface.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* must provide a *user interface* through which authorized users can import and export the *local voter database*, view and print the *voter list*, and update *local voter databases*. Specifically, the interface must allow authorized users to access all functionality outlined in the following (potential) requirements: **FR-17**, and **FR-19**. This interface is subject to the following security access management (potential) requirements: **SR-18**.

ELECTEC RESPONSE:

The Advocate precinct management system greatly simplifies the data management portion of the electronic poll book process. Data is exported from SVRS and other sources, such as the motor vehicle department, and imported into the Administrator's module at the Local or State level. It is here where the updates to the poll book—such as voter deletions and additions, supplemental data feeds and absentee updates—are added to the poll book roster.

4.2.2 Hardware Interfaces

HIR-1: USB port.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* must have a USB port through which the *local voter database* can be imported into the system. This interface is the only system end point through which data can be imported into the *electronic poll book system*, as specified in **SR-7**. Data imported through this interface must fulfill security (potential) requirements specified in **SR-8**.

ELECTEC RESPONSE:

The Administrator's module software provides an intuitive user interface that allows the Election Official to make necessary changes with ease and create one deployment file that will be loaded into each individual ePoll Book within their locality. The deployment file is distributed to the ePoll Book through a secured USB.

HIR-2: Card reader.

*{{(potential) requirement Type: **advisable**}}*

Description: The *electronic poll book system* may include one bar code reader per active *electronic poll book*. Each bar code reader must:

1. Permit a voter who presents a New Hampshire driver's or non-driver's license scan the license or card through the bar code reader
2. Display the voter's *voter record (without non-public data)* upon processing the information contained within the bar code on the license or identification.

ELECTEC RESPONSE:

Advocate can scan Driver's License bar codes or magnetic stripes, as well as scan bar codes of State ID cards. The scan will read the name and address or the voter ID number that is provided within the bar code and automatically display the voter name associated with the bar code. This information is mapped to the voter within the Administrators module.

4.3 Functional Indicative Requirements

FR-1: Adding a new *EPB* to the *EPBS*.

{(potential) requirement Type: **preferred**}

Description: The *electronic poll book system* must provide means for the integration of an additional *electronic poll book* into its configuration at any point throughout the election without requiring a shutdown or a restart of the *electronic poll book system*. The coordinated action of at least two authorized EPBS users is required to perform this action. This system event must be documented in the *audit log*.

ELECTEC RESPONSE:

In the event that a poll book go 'offline' for *any* reason, the local data and information is always secure. The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure. Once the Advocate poll book regains access or a new unit is deployed, the thumb drive is inserted into the unit, connected to the network the data will be automatically synchronized. In addition, will update throughout the LAN/WAN with up to the minute voter history. This does not call for an interruption in the operation of the poll book.

FR-2: Removing an *EPB* from the *EPBS*.

{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* must provide means for the exclusion of an existing *electronic poll book* from its configuration at any point throughout the election without requiring a shutdown, or restart of the *electronic poll book system*. The coordinated action of two authorized EBPS users is required to perform this action. This action does not require physical access to the *electronic poll book* that is to be excluded. This system event must be documented in the *audit log*.

ELECTEC RESPONSE:

In the event that a poll book go 'offline' for *any* reason, the local data and information is always secure. The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure. Once the Advocate poll book regains access or a new unit is deployed, the thumb drive is inserted into the unit, connected to the network the data will be automatically synchronized. In addition, will update throughout the LAN/WAN with up to the minute voter history. This does not call for an interruption in the operation of the poll book.

FR-3: Identifying an *EPB*.

{(potential) requirement Type: **mandatory**}

Description: Each *electronic poll book* within a *configured electronic poll book system* must have a unique identifier. Any component within a *configured electronic poll book system* must be able to uniquely identify said *electronic poll book* by its identifier.

ELECTEC RESPONSE:

Advocate assigns a unique identifier to each poll book within a configured electronic poll book system.

FR-4: Restricted access to voter information.

{(potential) requirement Type: **mandatory**}

Description: An *electronic poll book system* must not permit access to voter information other than information included in the *local voter database*.

ELECTEC RESPONSE:

Advocate does provide a unique identifier to each poll book. Additionally, Advocate does not need access to the voter database. The only information contained on the poll book will be the required information that is uploaded by the Election Official into the poll book.

FR-5: Constrained data storage.

{(potential) requirement Type: *advisable*}

Description: The *electronic poll book system* may not permit the storage of data other than that outlined in **DOCR-15** (voter information), **DOCR-11** (programs), and **DOCR-12** (system configuration data).

ELECTEC RESPONSE:

Advocate will only store data on the poll books that is determined to be of use for the operation of the system.

FR-6: Voter list storage.

{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must have the capability of storing (in external or internal memory) a copy of the *voter list (voter registration records and voter activity records)* in at least two separate locations.

ELECTEC RESPONSE:

The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure.

FR-7: Voter information lookup.

{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must permit a *ballot clerk* or *supervisor of the checklist* to verify whether an individual is eligible to vote and look up the voter's activity within the election. Specifically, the *electronic poll book system* must permit an authorized EPBS user to look up the voter's *voter record* as it appears in the *local voter database* on election day.

ELECTEC RESPONSE:

Advocate does permit an authorized user to search a voter's record.

FR-8: Voter information updates.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must permit a *ballot clerk* to update a voter's *voter record* in the *local voter database*. These updates must include, but are not limited to, the recording of:

- a. Whether a voter gave his or her name to initiate the voter check-in process
- b. The casting of an absentee ballot from the voter.
- c. Address change information provided by the voter when submitted to the ballot clerks.
- d. The receipt of a challenged voter affidavit (CVA) from the voter.
- e. The 2-character state abbreviation of an out-of-state driver's license when used as a photo ID by a voter.
- f. Whether a voter was given a ballot at the end of the check-in process.

The *electronic poll book system* must permit a *supervisor of the checklist* to update a voter's *voter record* in the *local voter database* on election day by noting that the person has been removed due to death.

If adding new voters from election day registration is integrated into the EPBS, the EPBS must permit the recording of new voter information to permit recordation of election day registration and tracking of such voters in the EPBS.

ELECTEC RESPONSE:

Advocate does allow for the Ballot Clerk to update a voter's record on the local database. The Ballot Clerk can note whether the voter gave his or her name to check in, the receipt of a challenged voter affidavit and whether the voter received a ballot at the end of check-in process. Advocate does allow for additional tracking based on the state requirements.

Advocate allows for the Supervisor of the Checklist to make notes in the voters records. These notes are exported on a report that can be generated at the end of the voting process so the Election Official can update SVRS.

Advocate allows for same day registration. These voters are added and can cast a ballot. There is a report that is generated at the end of the voting process that tracks same day registrations.

FR-9: Generating and printing reports.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* must provide the means for an authorized EPBS user to generate and print reports at any time during the election. The list of supported reports must include but not be limited to: the *voter list* in a format substantially identical in appearance to the existing paper checklist printed from SVRS, including marks and data that reflects *voter activity records* current as of that moment in time on election day, the *audit log*, and voter turnout reports. This up-to-date marked checklist must be functional in the event that electronic poll books become unavailable. The underlying assumption is that elections can continue without double voting whether or not electronic poll books are operational.

ELECTEC RESPONSE:

Advocate poll book reports can be run to show voter status, voters attended over what period and who has made changes to the system with the simple click of the mouse. These reports can be run throughout Election Day without suspending the voter check in process.

Advocate has a fully integrated extensive report manifest and combined with its ability to create ad-hoc reports delivers a full array of data presentation and information statistics. Poll Book data is simply loaded into the report builder and desired, custom reports can be created.

Additional reports can be created. Electec will review current reports and deliver any additional requirements as part of the operational delivery plan.

FR-10: The *electronic poll book* must maintain a printable format of the *voter list* (voter registration record and plus voter activity record)

*{{(potential) requirement Type: **mandatory**}}*

Description: It must be possible to continue with an election should the *electronic poll book system* become inoperable. To that end, the *electronic poll*

book must maintain a printable checklist format of the *voter list* on removable storage, reflecting *voter activity record* to that moment.

ELECTEC RESPONSE:

Advocate has the ability to maintain a printable format of the voter list. In the case that a poll book becomes inoperable the list can be printed from the USB. The list will reflect all up to the moment voter activity.

FR-11: Deliberately Left Blank.

FR-12: User accounts.

{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must permit an *administrator* to manage user accounts within its *configuration*. This includes adding and disabling user accounts, and setting user roles for existing accounts.

ELECTEC RESPONSE:

Through the Administrator's module an authorized Administrator can manage user accounts. This includes the ability to add, delete and edit a user's role or profile.

FR-13: RSA Chapter 654 and 659 requirements.

{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must have the ability to be used in conformity with election laws in the Revised Statutes Annotated (RSAs) of the State of New Hampshire, which includes at least:

1. The support of any type of election conducted in New Hampshire;
2. The proper treatment of unaffiliated voters allowed to vote in a party primary;
3. The ability to accommodate additional lines of voters after the polls have opened;
4. The ability to produce a hard copy of the *voter list* complete with all (heretofore manual) checklist marks during election day or after the election that will allow election officials transition to the use of a manual

checklist on election day, to check the accuracy of the *voter list* as needed, and to maintain required records.

ELECTEC RESPONSE:

Advocate can support any type of Election conducted within the State of New Hampshire. Advocate records the party affiliation for every voter having voted and registered, therefore identifying party affiliation and eliminating a voter from one political party attempting to check in for another party's primary. All poll books will be synced to allow for multiple lines at the polling place. Advocate has a fully integrated extensive report manifest and combined with its ability to create ad-hoc reports delivers a full array of data presentation and information statistics. Poll Book data is simply loaded into the report builder and desired, custom reports can be created. Additional reports can be created. Electec will review current reports and deliver any additional requirements as part of the operational delivery plan.

FR-14: System event confirmation.

{{(potential) requirement Type: **mandatory**}}

Description: The *electronic poll book system* must indicate that

1. The *electronic poll book system* has been set up for use in the election;
2. An *electronic poll book* has been set up for use in the election;
3. A *voter registration record* has changed;
4. A *voter activity record* has changed;
5. The *local voter database* has been imported into the *electronic poll book system*;
6. A system error or deviation has been detected, along with a description of the system error or deviation;
7. An *electronic poll book* is shutting down;
8. More to come...

ELECTEC RESPONSE:

Advocate has an extensive event logging facility that displays the specific events a pollbook records into the log along with date/time.

FR-15: Diagnostics mode.

{{(potential) requirement Type: **mandatory**}}

Description: The *electronic poll book system* must provide a diagnostics mode that

1. Allows the *administrator* to view and print the *audit log*;

2. Allows the *administrator* to verify that all events required to set up the system have been recorded in the audit log;
3. Allows the *administrator* to check any *voter registration record* and *voter activity record* at any time during the election;
4. Allows the *administrator* to view all system errors and deviations that have been recorded in the audit log;
5. Allows the *administrator* to verify the time stamp and polling place of the imported *local voter database*;
6. More to come...
7. FR-16: Program execution.
{(potential) requirement Type: *advisable*}
8. Description: The *electronic poll book system* must prevent any program that is not listed in DOCR-11 from being executed within the *EPBS*.

ELECTEC RESPONSE:

Advocate Precinct Management does provide for the review of election and pre-election based diagnostics. Advocate allows the Administrator to view and print the audit log and confirm that all events have been recorded in the audit log. Advocate also allows the Administrator to verify the time stamp and polling place of the imported voter database.

FR-16: Program execution.
{(potential) requirement Type: *advisable*}

Description: The *electronic poll book system* must prevent any program that is not listed in **DOCR-11** from being executed within the *EPBS*.

ELECTEC RESPONSE:

As part of the setup process we load only the programs necessary to operate the poll book onto the hardware. We will place restrictions on other files that are not necessary to the operation of the poll book.

FR-17: Printing *voter list*.
{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must allow *supervisors of the checklist or clerks* to print the *voter list* used in the system in paper format. The

format of the printed-paper record is to be specified and approved by the New Hampshire Secretary of State.

ELECTEC RESPONSE:

Advocate does have the ability to print out a voter list in paper format. This list can be used by the election officials if the poll book becomes inoperable. Electec will work with the State of New Hampshire and deliver the report in the format that is requested by the State.

FR-18: Retaining voter information.

{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* must permit authorized EPBS users to extract all voter information as it appears in the *electronic poll book system*, for retention on the distinct storage components maintained for the period required by New Hampshire and federal laws.

ELECTEC RESPONSE:

All data stored in both the Administrator's module and the poll book is archived when the election has been completed. Also, data from past elections can be stored on any external devices, servers, or hard drives.

FR-19: Compatibility with SVRS.

{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* must be compatible with New Hampshire's *Statewide Voter Registration System* (ElectionNet) and compliant with the security requirements thereof.

ELECTEC RESPONSE:

Advocate is a system that is compatible and will work seamlessly with the current Elections' Voter Registration System - SVRS. The compatibility has been successfully tested and vetted through pilot projects in Connecticut. New Hampshire and Connecticut both utilize the ElectionNet voter registration system designed by PCC Technology Group.

FR-20: As a part of the *local voter database* import, the *electronic poll book system* must require the user to confirm that they are importing the intended *local voter database*.

Description: When the user imports the *local voter database*, they must take some action to verify that they are importing the *local voter database* for the correct election and for the correct polling place.

ELECTEC RESPONSE:

Advocates flexible interface provides a simple to define method of mapping voter registration export fields to what is expected on each poll book. The voter registration data is managed directly through the Administrator's module and once mapped provides a simple secure data exchange to impose a common security model and deliver the latest voter registration information to the poll books.

FR-21: One voter/ one vote within *EPBS*.
{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must guarantee that within a *configured electronic poll book system* a voter can be checked in at most once during normal connectivity.

ELECTEC RESPONSE:

The configuration of Advocate is that a voter can only be checked in once in a poll book system. Once the voter is checked in as voting the linked systems identify the voter as voted by placing a red line through the voter indicating the date and time that the voter voted. The system does not allow for that voter to be checked in again. However in the case that the clerk made an error in checking in the wrong voter, the checked in voter can be undone with administrator's approval.

FR-22: *Local voter database* import.
{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* must enable an *administrator, ballot clerk, or supervisor of the checklist* to import the *local voter database* through hardware interface **HIR-1**.

ELECTEC RESPONSE:

Advocate does allow for the import of the voter database through the use of a USB. Once inserted the USB also becomes the backup drive that stores the backup to the poll book.

FR-23: *Local voter database export.*

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must enable an *administrator, ballot clerk, or supervisor of the checklist* to export the *local voter database* through hardware interface **HIR-1**.

ELECTEC RESPONSE:

Advocate does allow for the export of the voter database through the use of a USB. At the end of the voting process the polls will close. The clerk will close the polls on the poll book, prompting the closing report to be placed on the USB. The USB is then inserted into Administrator's PC which will allow for the production of the required reports.

FR-24: *Supplemental local voter database.*

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must **not** enable an *administrator, ballot clerk, or supervisor of the checklist* to import a *supplemental local voter database* through hardware interface **HIR-1**. Importing a complete and comprehensive *local voter database* must be the only option.

ELECTEC RESPONSE:

The Administrator's module receives a Voter Registration (VR) Extract .csv file (comma delimited format) from SVRS. Functionality within the Administrator's module then creates an import extract file into the Database. At this point, the Poll Book is set up with the official list that will be deployed to ePoll Book for Election Day.

FR-25: Deliberately left blank

FR-26: The *electronic poll book* must not change *invariant data*.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book* must not modify *invariant data* in the voter record during normal operation, *local voter database* import, or *local voter database* export. The New Hampshire Secretary of State will, consistent with New Hampshire laws, specify what *invariant data*, if any, may be used in EPBS.

ELECTEC RESPONSE:

Advocate will not modify any invariant data during normal operation. During the design phase ELECTEC will work with the State to setup a file layout. Only the data that the State requires to be in the poll book is what will be downloaded from SVRS and used for Election Day.

FR-27: As a part of the *local voter database* export, the *electronic poll book* system must require the user to confirm that they are exporting the intended *voter list* after the election.

{(potential) requirement Type: **mandatory**}

Description: When the authorized EPBS user exports the *voter records* (except *voter activity records #1 and #3*) after the election, they must take some action to verify that they are exporting the *voter list* for the correct election and for the correct polling place.

ELECTEC RESPONSE:

The Administrator's module receives a Voter Registration (VR) Extract .csv file (comma delimited format) from SVRS. Functionality within the Administrator's module then creates an import extract file into the Database. At this point, the Poll Book is set up with the official list that will be deployed to ePoll Book for Election Day.

4.4 Non-Functional Indicative Requirements

4.4.1 Performance

PR-1: *Electronic poll book* capacity during peak usage.

{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book* system must accommodate at least (8) eight *electronic poll books* operating together within a single *configured electronic poll books* implementation during peak usage. More poll books may be required in larger towns and if EPB is modified to allow entry of new voters reflecting election day registrations.

ELECTEC RESPONSE:

Advocate can accommodate for the required (8) eight poll books (or even more) operating together in a single configured poll book system. Any number of additional poll books can be added to the poll book system at any time during operation.

PR-2: Voter throughput per *EPB*.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system should allow for voter throughput of thirty (30) voters per hour within a configured electronic poll book system.*

ELECTEC RESPONSE:

Advocate can easily accommodate the required (30) thirty voters per hour. We are sure with the ease of the check in process, you will find that Advocate will exceed this requirement.

PR-3: *Voter list export.*

*{{(potential) requirement Type: **mandatory**}}*

Description: Exporting the *voter list* using **UI-5** (voter list import and export) may take no longer than eight (8) minutes. It is understood that, in the case of larger towns, printing the voter list may occupy longer time frames. Vendors shall specify anticipated printing time frames with various types of printers and various town sizes, recognizing that some larger towns in New Hampshire may want to use EPBs.

ELECTEC RESPONSE:

The exporting of data from Advocate through the USB will be under the (8) eight minute requirement. However as stated in the requirement, the timing of data exports through Advocate depend on the size of the file being exported. If we are exporting signatures it may take longer than if we are not exporting signatures.

PR-4: *Voter list import.*

*{{(potential) requirement Type: **mandatory**}}*

Description: Importing the *voter list* using **UI-5** (voter list import and export) may take no longer than eight (8) minutes.

ELECTEC RESPONSE:

Advocates flexible interface provides a simple to define method of mapping voter registration export fields from SVRS to what is expected on each poll book. The voter registration data is managed directly through the Administrator's module and once mapped provides a simple secure data exchange to impose a common security model and deliver the latest voter registration information to the poll books. This process takes approximately 2 - 4 minutes per polling location.

PR-5: *Electronic poll book system setup.*

*{{(potential) requirement Type: **mandatory**}}*

Description: Setting up an *electronic poll book system* with eight (8) active *electronic poll books* should not take longer than 80 minutes.

ELECTEC RESPONSE:

Once the poll book is set for deployment it will be placed on a USB to be uploaded into the 8 poll books. Each poll book will have its own USB that is also used for backup. This process will be under the 80 minute requirement.

PR-6: *Electronic poll book boot up and configuration.*

*{{(potential) requirement Type: **mandatory**}}*

Description: Booting up an *electronic poll book* and adding it to a *configured electronic poll book system* should not take longer than three (3) minutes.

ELECTEC RESPONSE:

Advocate is able to add and configure a poll book to a poll book system within the 3 minute requirement.

4.4.2 Reliability

RR-1.1: Voter check-in during interruption of connectivity.

*{{(potential) requirement Type: **mandatory**}}*

Description: In the event of a temporary interruption of connectivity within an *electronic poll book system*, the *electronic poll book system* must permit a voter to check-in.

ELECTEC RESPONSE:

In the case of a network interruption, Advocate will continue to operate and allow a voter to check in and sign the Poll Book. Once network connectivity is restored, the Poll Book is synchronized and shared to any other Poll Book units on the network.

RR-1.2: Upon restoration of connectivity.

{{(potential) requirement Type: **mandatory**}}

Description: In the event of a temporary interruption of connectivity within an *electronic poll book system*, the *electronic poll book system* must automatically restore *voter list* consistency across the *electronic poll books* after connectivity is restored.

ELECTEC RESPONSE:

In the case of a network interruption, Advocate will continue to operate and allow a voter to check in and sign the Poll Book. Once network connectivity is restored, the Poll Book is synchronized and shared to any other Poll Book units on the network.

RR-1.3: Identify double voting.

{{(potential) requirement Type: **advisable**}}

Description: In the event of a temporary interruption of connectivity within an *electronic poll book system*, the *electronic poll book system* must identify voters that have been checked in at two or more different *electronic poll books* during the interruption of connectivity.

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The system activity log will identify any voter who has been checked on separate units during a network interruption as having checked as voting twice.

RR-1.4: Indicate interruption of connectivity.

{{(potential) requirement Type: **mandatory**}}

Description: In the event of a temporary interruption of connectivity within an *electronic poll book system*, the *electronic poll book system* must indicate that there has been an interruption of connectivity by signaling and entering relevant event information into the *audit log*.

ELECTEC RESPONSE:

Advocate does display the number of units on the system at all times. In the event of a temporary interruption of connectivity within a poll book system the user would see the display as being offline. Advocate contains an audit log that records all activities and transactions that occur on the unit.

RR-2: Loss of power.

*{(potential) requirement Type: **mandatory**}*

Description: In the event of a temporary loss of power, the *electronic poll book system* must permit a voter to check-in. The *electronic poll book system's* battery supply must allow for at least four (4) hours of operation without external power supply.

ELECTEC RESPONSE:

Backup is instantaneous and no data is affected. The switchover to the backup battery is seem less to the system user and does not affect workflow or system performance. The battery back-up within the devices allows for extended use in the case of a power failure. This will allow for voter check off in excess of the requested 4 hour requirement.

RR-3: Data recovery.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must provide means for *local voter database* data recovery, should one of the physical memory storage components fail.

ELECTEC RESPONSE:

In the event that a poll book go 'offline' for *any* reason, the local data and information is always secure. The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure. Once the Advocate poll book regains access or a new unit is deployed, the thumb drive is inserted into the unit, connected to the network the data will be automatically synchronized. In addition, will update throughout the LAN/WAN with up to the minute voter history.

RR-4: Simultaneous data storage.

*{(potential) requirement Type: **mandatory**}*

Description: Each *electronic poll book* must provide at least two methods for simultaneous data storage in distinct physical storage components to prevent the loss of data.

ELECTEC RESPONSE:

The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure.

RR-5: *Local voter database* replicas.

{{(potential) requirement Type: **mandatory**}}

Description: Within the *electronic poll book system* there must exist at least two replicas (logical or physical) of the *local voter database*. These replicas must be stored in distinct physical storage components.

ELECTEC RESPONSE:

Advocate keeps two replicas of the local voter database. These replicas are stored on the hard disk and also on the USB. The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure.

RR-6: *Local voter database* replica consistency.

{{(potential) requirement Type: **mandatory**}}

Description: If the *electronic poll book system* is in a *quiescent* state all replicas of the *local voter database* must be logically consistent.

ELECTEC RESPONSE:

The Advocate ePoll Book maintains its data and integrity at all times during an election with a multi-redundant process of saving the election information. The data is updated and stored in real-time on the ePoll Book hard drive and on the USB secondary device, additionally, units that are networked together allow for synchronization of the information maintained on one unit to be replicated to all associated units. If one or the other is dormant, the information is still intact and replicated.

RR-7: Operational consistency.

{{(potential) requirement Type: **mandatory**}}

Description: Any update to a *voter record* or to any other data pertaining to the election completed on one *electronic poll book* must be seen as *complete* on all other *electronic poll books*.

ELECTEC RESPONSE:

Advocate is able to maintain a peer to peer method of data exchange which allows all poll books to be up to date with all other poll books on the network. This includes voting updates on voter history, name amendments, source of those changes, what method the voter used to vote and where that ballot was received. The networking of Poll Book units can be accommodated statewide utilizing a secure and connected network or simply within a Polling Location affecting the synchronization of just the Polling Place Poll Books units.

RR-8: Environmental robustness.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must be usable within a standard office environment and with temperature ranging at from 50°F (or higher) to 90°F (or lower).

ELECTEC RESPONSE:

Advocate Poll Books are provided on COTS hardware and maintain COTS industry standards for temperature and humidity – conducted by the hardware manufacturer. That being said, all Advocate Poll Books go through rigorous testing prior to use. The following are the temperature and humidity allowable ranges for operation:

Operational Temp and Humidity

(5 degrees to 35 degrees C, 20% - 90% relative humidity, 8hrs, 3 cycles)

4.4.3 Availability

AR-1: At least (8) eight *EPBs* in an *EPBS*; (12) *if adding new voters*.

*{(potential) requirement Type: **mandatory**}*

Description: An *electronic poll book system* must support at least eight (8) *electronic poll books* in a single polling location. Each of the *electronic poll books* must be usable concurrently. Should one of the *electronic poll books* become inoperable, the operation of the remaining *electronic poll book* or *electronic poll books* must not be affected. Should the system be modified to add new voters reflecting election day registrations, the EPBS must support a minimum of twelve (12) *electronic poll books*.

ELECTEC RESPONSE:

Advocate can accommodate for the required (8) eight poll books operating together in a single configured poll book system. Any number of additional poll books can be added

to the poll book system at any time during operation. If one poll book goes off line the others on the network will continue to operate without interruption.

AR-2: No single point of failure.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must be designed to tolerate any single point of failure scenarios.

ELECTEC RESPONSE:

The two location design strategy built into Advocate writes data to the hard disk and to a thumb drive to prevent no single point of failure.

4.4.4 Safety & Security

SR-1: EPBS must prevent injury or damage.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book system* must be designed to prevent injury or damage to any individual or the hardware, including fire and electrical hazards.

ELECTEC RESPONSE:

All system equipment utilized with Advocate meets the requirements for safety to system users, as specified by OHSA.

SR-2: Isolation from other electronic election systems.

*{(potential) requirement Type: **mandatory**}*

Description: An *electronic poll book system* may not be connected to any other electronic election system.

ELECTEC RESPONSE:

Advocate is software driven system. The poll book only needs to access the information that is housed within it. It does not need to access any other Election system.

SR-3: Restricted access and communications.

*{(potential) requirement Type: **mandatory**}*

Description: The *electronic poll book* must prevent access to the system and its components by Internet or wireless method. The only exception is secure, reliable, dedicated, local-area communication limited to the system's components that is designed and required for correct system operation.

ELECTEC RESPONSE:

Advocate poll books use standard network connectivity either through a wired or wireless enabled device or router. A secure solution from local area network to endpoint (or poll book) is maintained during this process. This is done using a virtual private network which offers an encrypted connection between the poll book location and the local area network.

SR-4: Eavesdropping attack prevention.

{(potential) requirement Type: **preferred**}

Description: The *electronic poll book system* must be protected against eavesdropping attacks.

ELECTEC RESPONSE:

The poll books use a hard disk encryption method, in addition to AES 256bit encryption. Advocate poll books use standard network connectivity either through a wired or wireless enabled device or router. A secure solution from local area network to endpoint (or poll book) is maintained during this process. This is done using a virtual private network which offers an encrypted connection between the poll book location and the local area network.

SR-5: Man-in-the-middle attack prevention.

{(potential) requirement Type: **preferred**}

Description: The *electronic poll book system* must be protected against man-in-the-middle attacks.

ELECTEC RESPONSE:

The poll books use a hard disk encryption method, in addition to AES 256bit encryption. Advocate poll books use standard network connectivity either through a wired or wireless enabled device or router. A secure solution from local area network to endpoint (or poll book) is maintained during this process. This is done using a virtual private network which offers an encrypted connection between the poll book location and the local area network.

SR-6: Replay attack prevention.

{{(potential) requirement Type: *preferred*}}

Description: The *electronic poll book system* must be protected against replay attacks. A replay attack is carried out either by the originator or by an attacker who intercepts the data and re-transmits it, possibly as part of a masquerade attack by IP packet substitution.

ELECTEC RESPONSE:

The poll books use a hard disk encryption method, in addition to AES 256bit encryption. Advocate poll books use standard network connectivity either through a wired or wireless enabled device or router. A secure solution from local area network to endpoint (or poll book) is maintained during this process. This is done using a virtual private network which offers an encrypted connection between the poll book location and the local area network.

SR-7: Imports restricted to **HIR-1** (USB port).

{{(potential) requirement Type: *mandatory*}}

Description: A file can only be imported into the *electronic poll book system* through **HIR-1**. No other interfaces may be used to import files into the *electronic poll book system*.

ELECTEC RESPONSE:

The Administrator's module software provides an intuitive user interface that allows the Election's office to make necessary changes with ease and create one deployment file that will be loaded into each individual ePoll Book within their locality. The deployment file is distributed to the ePoll Book through a secured USB key as required by the State.

SR-8: **HIR-1** (USB port) restrictions.

{{(potential) requirement Type: *preferred*}}

Description: The *electronic poll book system* must preclude all files--other than those specified in **DOCR-15** (voter information), **DOCR-11** (programs), and **DOCR-12** (system configuration data)--from being imported into the system through **HIR-1** (USB port).

ELECTEC RESPONSE:

The poll books used will only have the programs and files on them to execute Advocate.

SR-9: File format verification.

*{{(potential) requirement Type: **mandatory**}}*

Description: A file can only be imported into the *electronic poll book system* if it complies with its file format specification provided in **DOCR-16**.

ELECTEC RESPONSE:

The Administrator's module receives a Voter Registration (VR) Extract .csv file (comma delimited format) from SVRS. Functionality within the Administrator's module then creates an import extract file into the Database. We will work with the State to create a file format. At this point, the Poll Book is set up with the official list that will be deployed to ePoll Book for Election Day.

SR-10: File authenticity verification.

*{{(potential) requirement Type: **preferred**}}*

Description: A file can only be imported into the *electronic poll book system* if it passes file authenticity verification. This verification must prove that the file originates from a trusted source, by validating the digital signature of the file.

ELECTEC RESPONSE:

ELECTEC will provide a format description for the poll book files and how these files will be the only files allowed to be imported through the USB port.

SR-11: Signed exports.

*{{(potential) requirement Type: **preferred**}}*

Description: Any file to be used in the electoral process, e.g., for information exchange with other election systems, audit purposes, etc., must be cryptographically signed before it is exported from the *electronic poll book system*. Digital signatures must be compliant with a standard, such as the Digital Signature Standard (DSS) specified in external document **REF-1**.

ELECTEC RESPONSE:

ELECTEC will provide a format description for the poll book files and how these files will be the only files allowed to be imported through the USB port.

SR-12: Use by account holders only.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* must restrict its use to individuals holding an official role/account created.

ELECTEC RESPONSE:

User levels are determined prior to an election event. There are user functions, as well as Chief Polling Place functions. These levels are accessed via passwords. Functionality is only accessed for user levels based on the User's password. In addition, each Poll Book unit is locked down from access to the Operating System.

SR-13: User roles.

{{(potential) requirement Type: **preferred**}}

Description: Within the *electronic poll book system* there must only be three authorized EPBS user roles: *ballot clerk*, *supervisor of the checklist*, and *administrator*. Any account created as part must be assigned one of these three roles.

ELECTEC RESPONSE:

Currently Advocate only maintains two roles Administrator and Ballot Clerk. If the State makes three roles a mandatory requirement than Advocate does have the ability to increase the roles to three or more.

SR-14: Access to **UI-1** (authorized EPBS user interface).

{{(potential) requirement Type: **mandatory**}}

Description: Access to **UI-1** and all underlying functionality is restricted to account holders of authorized EPBS user role accounts. Password authentication is required to validate the account holder's access privileges.

ELECTEC RESPONSE:

User levels are determined prior to an election event. There are user functions, as well as Chief Polling Place functions. These levels are accessed via passwords. Functionality is only accessed for user levels based on the User's password. In addition, each Poll Book unit is locked down from access to the Operating System.

SR-15: Access to **UI-2** (configuration interface).

{{(potential) requirement Type: **mandatory**}}

Description: Access to **UI-2** and all underlying functionality is restricted to account holders of authorized EPBS accounts. The coordinated actions of two (2) authorized EPBS users are required to validate the account holder's access privileges.

ELECTEC RESPONSE:

The Advocate system can accommodate this requirement of authorization of two Poll Book users to validate the account holders access privileges.

SR-16: Access to **UI-3** (diagnostic interface).
{(potential) requirement Type: **mandatory**}

Description: Access to **UI-3** and all underlying functionality is restricted to account holders of *administrator role* accounts. Password authentication is required to validate the account holder's access privileges.

ELECTEC RESPONSE:

User levels are determined by the Administrator. These levels are accessed via passwords. Functionality is only accessed for user levels based on the User's password.

SR-17: Access to **UI-4** (administrative interface).
{(potential) requirement Type: **mandatory**}

Description: Access to **UI-4** and all underlying functionality is restricted to account holders of *administrator role* accounts. Password authentication is required to validate the account holder's access privileges.

ELECTEC RESPONSE:

User levels are determined by the Administrator. These levels are accessed via passwords. Functionality is only accessed for user levels based on the User's password.

SR-18: Access to **UI-5** (*local voter database*).
{(potential) requirement Type: **mandatory**}

Description: Access to **UI-5** and all underlying functionality is restricted to account holders of authorized EPBS user role accounts. Password authentication is required to validate the account holder's access privileges.

ELECTEC RESPONSE:

User levels are determined by the Administrator. These levels are accessed via passwords. Functionality is only accessed for user levels based on the User's password.

SR-19: File integrity verification.

{{(potential) requirement Type: *preferred*}}

Description: A file can only be imported into the *electronic poll book system* if it passes file integrity verification. This verification must prove that the file has not been tampered with between the time that it was signed and the time of the import.

ELECTEC RESPONSE:

ELECTEC will provide a format description for the poll book files and how these files will be the only files allowed to be imported through the USB port.

SR-20: Tamper evident cases.

{{(potential) requirement Type: *mandatory*}}

Description: All *electronic poll book* hardware interfaces must be sealable with tamper-evident seals. This includes HIR-1 (USB port).

ELECTEC RESPONSE:

ELECTEC has worked with a vendor to create a storage case for the poll books to be delivered to the precinct. These cases have the ability to be sealed with a certified seal from the State and delivered to the precinct.

4.4.5 Auditability

AUR-1: Audit log.

{{(potential) requirement Type: *mandatory*}}

Description: The *electronic poll book system* must be auditable. To that end, the system must maintain an *audit log*.

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The audit log times stamps all activities done through the poll book and what user performed those activities.

AUR-2: Log voter registration record queries and updates.

*{(potential) requirement Type: **mandatory**}*

Description: The *audit log* must retain time-stamped records of any query of, or update to, a *voter record* by any user of the *electronic poll book system*.

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The audit log times stamps all activities done through the poll book and what user performed those activities.

AUR-3: Log user actions.

*{(potential) requirement Type: **preferred**}*

Description: The *audit log* must retain time-stamped records of any actions performed by any user on the *electronic poll book system*, including but not limited to:

1. Starting up the system.
2. Shutting down the system.
3. Switching user accounts.
4. Creating/ modifying user accounts.
5. Switching to diagnostic/ administrative mode.
6. Printing.
7. Exporting.
8. Importing.
9. Adding/ removing an *electronic poll book*.
10. More to come...

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The audit log times stamps all activities done through the poll book and what user performed those activities.

AUR-4: Log system deviations.

{(potential) requirement Type: **mandatory**}

Description: The *audit log* must retain time-stamped records of:

1. Any interruption in connectivity (between the components of *electronic poll book system*) or loss of power;
2. Any detected system error or deviation from expected system behavior;
3. AUR-5: Printable audit log.
{(potential) requirement Type: **mandatory**}
4. Description: The *audit log* must be printable.

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The audit log times stamps all activities done through the poll book and what user performed those activities.

AUR-5: Printable audit log.

{(potential) requirement Type: **mandatory**}

Description: The *audit log* must be printable.

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The audit log times stamps all activities done through the poll book and what user performed those activities. The audit log can be printed in a report structure from the administrator's module.

AUR-6: Exportable audit log.

{(potential) requirement Type: **mandatory**}

Description: The *audit log* must be exportable to an external, removable storage device.

ELECTEC RESPONSE:

The Advocate Administrator's module maintains an audit log of all activity from the User's Module. The audit log times stamps all activities done through the poll book and what user performed those activities. The audit log can be exported from the administrator's module.

AUR-7: No *audit log* encryption.
{(potential) requirement Type: **mandatory**}

Description: The audit log must **not** be encrypted.

ELECTEC RESPONSE:

Advocates Audit log is not encrypted and is maintained within Advocate.

AUR-8: Audit log format compliance.
{(potential) requirement Type: **mandatory**}

Description: The *audit log* must be compliant with the format specified in **DOCR-9**.

ELECTEC RESPONSE:

The system documentation will include detailed specifications of the systems audit log. The documentation will include a complete definition of the audit log format and a precise statement regarding the entry into the audit log.

4.4. Usability

UR-1: Ease of use.
{(potential) requirement Type: **mandatory**}

Description: The vendor of an *electronic poll book system* must provide procedures for setting up, using, and shutting down an *electronic poll book system* that are reasonably easy for a *ballot clerk, supervisor of the checklist* or town or city clerk to learn, understand, and perform. The procedures for setting up, using, and shutting down an *electronic poll book system* must not require a significant amount of training in addition to the initial training required when a purchase of the equipment is made. The vendor must also make available additional training in the setup, use, and shutdown of the system.

ELECTEC RESPONSE:

Advocate has been developed with ease-of-use being the primary goal. While maneuvering through the various screens, no action or feature is any more than 4 clicks (or taps of the pen stylus away). The Advocate software can be deployed in a tablet or laptop configuration. Advocate software application provides large, attractive, and highly visible controls to create a comfortable and simple user interface.

DOCR-1: Set up, use, and shutdown instructions.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* documentation must include well-written, complete instructions sufficient for a *ballot clerk, supervisor of the checklist*, or town or city clerk to set up, use, configure, reconfigure, and shut down the *electronic poll book system*.

ELECTEC RESPONSE:

ELECTEC will provide all manuals required for the Advocate Poll Books. These manuals will cover all operations, maintenance, training and user manuals for both Administrators and System Users. Manuals provided will include:

- Advocate Administrator System Manual
 - State level administrator's system User Manual
 - Municipal level administrator's System Manual
 - Technical level System Manual
- Advocate Poll Worker User Manual
- Training Manuals
- Hardware Manuals

DOCR-2: Functionality specification.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* documentation must include detailed specification of all implemented functionality of the system.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes detailed specifications of all implemented functionality of the system.

DOCR-3: Training materials.

*{{(potential) requirement Type: **mandatory**}}*

Description: The *electronic poll book system* documentation must include training materials that:

1. May be in written or video form;
2. Must be in a format suitable for use at a polling place, such as simple "how to" guides;

3. DOCR-4: Data recovery procedures.
{(potential) requirement Type: *mandatory*}
4. Description: The *electronic poll book system* documentation must include data recovery procedures for information included in the *electronic poll book system*.

ELECTEC RESPONSE:

ELECTEC will provide all training materials that are required by the State of New Hampshire for the operation of our Advocate Poll Books.

DOCR-4: Data recovery procedures.
{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* documentation must include data recovery procedures for information included in the *electronic poll book system*.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes data recovery procedures in the poll book system.

DOCR-5.1: System architecture.
{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* documentation must include an architecture model of the *electronic poll book system*.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes an architecture model of the poll book system.

DOCR-5.2: End user documentation.
{(potential) requirement Type: *mandatory*}

Description: The *electronic poll book system* documentation must include end-user documentation.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes the end user.

DOCR-5.3: System level documentation.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include system level documentation.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes system level documentation.

DOCR-5.4: Developer documentation.
{(potential) requirement Type: **preferred**}

Description: The *electronic poll book system* documentation must include developer documentation.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes developer documentation.

DOCR-6: Consumables documentation.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include detailed information concerning:

1. Electronic poll book system consumables; and
2. The vendor's supply chain for those consumables.
3. DOCR-7: Quality assurance procedures, test data, and reports.
{(potential) requirement Type: **mandatory**}
4. Description: The *electronic poll book system* documentation must include vendor internal quality assurance procedures and any internal or external test data and reports available to the vendor concerning the electronic poll book system.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes system consumables and vendor's supply chain of consumables. Documentation will also be provided for quality assurance procedures, test data and reports.

DOCR-8: Repair and maintenance policies.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include repair and maintenance policies for the electronic poll book system.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes repair and maintenance policies for the poll book system.

DOCR-9: Audit log specification.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include detailed specification of the system's *audit log*, including but not limited to:

1. A complete definition of the audit log format; and
2. For each audit log entry, a precise statement regarding the system event that causes said entry to be generated.

ELECTEC RESPONSE:

The system documentation will include detailed specifications of the systems audit log. The documentation will include a complete definition of the audit log format and a precise statement regarding the entry into the audit log.

DOCR-10: Usability tests.
{(potential) requirement Type: **preferred**}

Description: The *electronic poll book system* documentation must include usability tests that address all user-facing features of the system, including but not limited to: the setting up, configuring, reconfiguring, using, and shutting down of the *electronic poll book system*. These are to be conducted by the manufacturer of the *electronic poll book system* using individuals who are representative of the general public.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes usability tests. The documentation will address all user facing features of the system. This document will be used to perform user tests by the general public.

DOCR-11: List of all *EPBS* programs.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include a list of all programs that will be executed during the use of the system, as well as a list of all files storing program data. For each program in the list, the intended function of the program must be identified. For each file storing program data the associated program must be identified.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes a list of all programs that will be executed during the use of the system as well as a list of all files storing program data. For each program the intended function will be listed. We will also list any associated programs for file storing.

DOCR-12: List of system configuration data.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include a list of all system configuration data required for proper system function. For each configuration data file in the list, the intended function of the configuration data must be identified. For each configuration data file in the list, the hardware and/ or software component to which the configuration data is applied must be identified.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes a list of all system configuration data required to allow the system to function properly. For each program the intended function will be listed. We will also identify for each configuration data file the hardware and/or software component to which the configuration data is applied.

DOCR-13: User interfaces.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include a list of all user interfaces, including but not limited to the interfaces outlined in **UI-1, UI-2, UI-3, UI-4, and UI-5**. For each user interface in the list a description must be provided, as well as information on what user roles are authorized to access said interface.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes a list of all user interfaces. We will also list the description and information on what user roles are authorized to access the interface.

DOCR-14: Non-functional (potential) requirements documentation.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include documentation on the system's non-functional qualities, including but not limited to Performance, Availability, Reliability, Safety, Security, and Auditability.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes the systems non-functional qualities. This documentation will have information regarding Performance, availability, reliability, safety, security and auditability.

DOCR-15: List of files containing voter information.
{(potential) requirement Type: **mandatory**}

Description: The *electronic poll book system* documentation must include a list of all files containing information that is part of the *local voter database*.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes a list of all files containing information that is part of the local voter database.

DOCR-16: File format specification.
{(potential) requirement Type: **preferred**}

Description: The *electronic poll book system* documentation must include a file format specification for each file or program listed in **DOCR-11**, **DOCR-12**, and **DOCR-15**.

ELECTEC RESPONSE:

ELECTEC will provide documentation that includes a file format specification for each file or program.

Cross-Reference Table

This section gives a table of all indicative requirements in this document along with their page numbers. Vendors are encouraged to state whether they can comply or suggest alternate means of accomplishing the implied goal. To enable comments in the fields below, this RFI has been provided in both MS word and PDF format.

Title and Identifier	Page Number	Compliance: Yes/No	Comments on Potential Requirement
AR-1: At least (8) eight <i>EPBs</i> in an <i>EPBS</i> ; (12) if adding new voters.	30	Yes	
AR-2: No single point of failure.	30	Yes	
AUR-1: Audit log.	34	Yes	
AUR-2: Log voter registration record queries and updates.	34	Yes	
AUR-3: Log user actions.	34	Yes	
AUR-4: Log system deviations.	35	Yes	
AUR-5: Printable audit log.	35	Yes	
AUR-6: Exportable audit log.	35	Yes	
AUR-7: No <i>audit log</i> encryption.	35	Yes	

AUR-8: Audit log format compliance.	35	Yes	
DOCR-1: Set up, use, and shutdown instructions.	36	Yes	
DOCR-2: Functionality specification.	36	Yes	
DOCR-3: Training materials.	36	Yes	
DOCR-4: Data recovery procedures.	36	Yes	
DOCR-5.1: System architecture.	37	Yes	
DOCR-5.2: End user documentation.	37	Yes	
DOCR-5.3: System level documentation.	37	Yes	
DOCR-5.4: Developer documentation.	37	Yes	
DOCR-6: Consumables documentation.	37	Yes	

DOCR-7: Quality assurance procedures, test data, and reports.	38	Yes	
DOCR-8: Repair and maintenance policies.	38	Yes	
DOCR-9: Audit log specification.	38	Yes	
DOCR-10: Usability tests.	38	Yes	
DOCR-11: List of all <i>EPBS</i> programs.	38	Yes	
DOCR-12: List of system configuration data.	39	Yes	
DOCR-13: User interfaces.	39	Yes	
DOCR-14: Non-functional (potential) requirements documentation.	39	Yes	

DOCR-15: List of files containing voter information.	39	Yes	
DOCR-16: File format specification.	39	Yes	
FR-1: Adding a new <i>EPB</i> to the <i>EPBS</i> .	20	Yes	
FR-2: Removing an <i>EPB</i> from the <i>EPBS</i> .	20	Yes	
FR-3: Identifying an <i>EPB</i> .	20	Yes	
FR-4: Restricted access to voter information.	20	Yes	
FR-5: Constrained data storage.	21	Yes	
FR-6: <i>Voter list</i> storage.	21	Yes	
FR-7: Voter information lookup.	21	Yes	
FR-8: Voter information updates.	21	Yes	

FR-9: Generating and printing reports.	22	Yes	
FR-10: The <i>electronic poll book</i> must maintain a printable format of the <i>local voter database</i>	22	Yes	
FR-10: The <i>electronic poll book</i> must maintain a printable format of the <i>local voter database</i> <i>{{(potential) requirement Type: mandatory}}</i>	22	Yes	

<p>Description: It must be possible to continue with an election should the electronic poll book <i>become inoperable</i>. To that end, the electronic poll book <i>must maintain a</i> printable checklist format of the local voter database <i>on removable storage</i>, pursuant to New Hampshire RSA 654:25.</p> <p>Ref: None</p> <p>FR-11: Deliberately Left Blank.</p>			
FR-12: User accounts	23	Yes	
FR-12: User accounts.	23	Yes	

<p>{{(potential) requirement Type: mandatory}</p> <p>Description: The <i>electronic poll book system</i> must permit an <i>administrator</i> to manage user accounts within its <i>configuration</i>. This includes adding and disabling user accounts, and setting user roles for existing accounts.</p> <p>Ref: None</p> <p>FR-13: Title 9 of General Statutes (potential) requirements. See Ballot Clerk Procedures for State Primary and General Election</p>			
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FR-14: System event confirmation.	23	Yes	
FR-15: Diagnostics mode.	24	Yes	
FR-16: Program execution.	24	Yes	
FR-17: Printing voter list.	24	Yes	
FR-18: Retaining voter information.	24	Yes	
FR-19: Compatibility with SVRS.	25	Yes	
FR-20: As a part of the <i>local voter database</i> import, the <i>electronic poll book system</i> must require the user to confirm that they are importing the intended <i>local voter database</i>	25	Yes	
	25	Yes	

FR-21: One voter/ one vote within <i>EPBS</i> .			
FR-22: <i>Local voter database import.</i>	25	Yes	
FR-23: <i>Local voter database export.</i>	25	Yes	
FR-24: <i>Supplemental local voter database.</i>	26	Yes	
FR 25: Deliberately left blank.	26	Yes	
FR-26: The <i>electronic poll book</i> must not change <i>invariant data</i>	26	Yes	

FR-27: As a part of the <i>voter list</i> export, the electronic poll book system must require the user to confirm that they are exporting the intended <i>voter list</i> .	19	Yes	
HIR-1: USB port.	19	Yes	
HIR-2: Card reader.	19	Yes	
PR-1: <i>Electronic poll book</i> capacity during peak usage.	27	Yes	
PR-2: Voter throughput per <i>EPB</i> .	27	Yes	
PR-3: <i>Voter list</i> export.	27	Yes	
PR-4: <i>Voter list</i> import.	27	Yes	
PR-5: <i>Electronic poll book system</i> setup.	27	Yes	

PR-6: <i>Electronic poll book boot up and configuration.</i>	28	Yes	
PROCR-1: Vendor to provide two <i>electronic poll book systems</i> .	16	Yes	
PROCR-2: Vendor to provide list of customers.	16	Yes	
PROCR-3: Vendor to provide list of known anomalies.	16	Yes	
PROCR-4: Compiling, importing, and exporting <i>local voter database</i> .	17	Yes	

PROCR-5: Vendor to provide a pre-use fitness test for the <i>electronic poll book system</i> .	17	Yes	
PROCR – 6: Vendor to suggest trial format that enables check of EPB accuracy against marked paper checklist.	17	Yes	
PROCR – 7: Vendor to suggest trial format that enables check of EPBS in the event of failure of electronic components.	17	Yes	
RR-1.1: Voter check-in during interruption of connectivity.	28	Yes	

RR-1.2: Upon restoration of connectivity.	28	Yes	
RR-1.3: Identify double voting.	28	Yes	
RR-1.4: Indicate interruption of connectivity.	28	Yes	
RR-2: Loss of power.	29	Yes	
RR-3: Data recovery.	29	Yes	
RR-4: Simultaneous data storage.	29	Yes	
RR-5: <i>Local voter database</i> replicas.	29	Yes	
RR-6: <i>Local voter database</i> replica consistency.	29	Yes	
RR-7: Operational consistency.	29	Yes	
RR-8: Environmental robustness.	30	Yes	

SR-1: EPBS must prevent injury or damage.	30	Yes	
SR-2: Isolation from other electronic election systems.	30	Yes	
SR-3: Restricted access and communications.	31	Yes	
SR-4: Eavesdropping attack prevention.	31	Yes	
SR-5: Man-in-the-middle attack prevention.	31	Yes	
SR-6: Replay attack prevention.	31	Yes	
SR-7: Imports restricted to HIR-1 (USB port).	31	Yes	
SR-8: HIR-1 (USB port) restrictions.	31	Yes	
SR-9: File format verification.	32	Yes	

SR-10: File authenticity verification.	32	Yes	
SR-11: Signed exports.	32	Yes	
SR-12: Use by account holders only.	32	Yes	
SR-13: User roles.	32	Yes	
SR-14: Access to UI-1 (authorized EPBS user interface).	33	Yes	
SR-15: Access to UI-2 (configuration interface).	33	Yes	
SR-16: Access to UI-3 (diagnostic interface).	33	Yes	
SR-17: Access to UI-4 (administrative interface).	33	Yes	

SR-18: Access to UI-5 (local voter database).	33	Yes	
SR-19: File integrity verification	34	Yes	
SR-20: Tamper evident cases.	34	Yes	
UIR-1: Ballot clerk and Supervisor of the checklist interface.	18	Yes	
UIR-2: Configuration interface.	18	Yes	
UIR-3: Diagnostic interface.	18	Yes	
UIR-4: Administrative interface.	19	Yes	
UIR-5: Local voter database interface.	19	Yes	
UR-1: Ease of use.	36	Yes	

RFI - Supplemental Potential Requirements 20-Mar-17			
Title and Identifier	Page Number	Compliance Yes/No	Comments on Potential Requirement
NH-1: Add new voters resulting from Election Day Registration to EPBS	9, 10, 11	Yes	
NH-2: Extend simultaneous electronic poll books processes for voter intake over a distance of X feet. X =	9, 10, 11	Yes	
70 feet			
100 feet		Yes	
150 feet		Yes	

NH-3: Extend electronic poll books processes in include voter registration. Add to the above distances:	9, 10, 11	Yes	
30 feet			
70 feet		Yes	
100 feet		Yes	

Conclusion

We at ELECTEC Election Services, Inc. are grateful for the opportunity to present this RFI response for electronic poll books, to the Office of the Secretary of State of New Hampshire. It would be a privilege to work in partnership, with the Secretary of State and the Election Officials throughout New Hampshire, to deliver and implement our Advocate pollbook solution.

We recognize the magnitude and gravity, attached to a project like this. As a result, ELECTEC Election Services, Inc. is willing and able to accept this challenge, but more importantly, we are fully capable of ensuring its success. Advocate is currently equipped with all of the features and amenities that have been requested in this RFI.

The State of New Hampshire requires a solution provider that recognizes the absolute need, to provide accurate, well organized and successful planning of the implementation of electronic poll books. Therefore, we are prepared to work with New Hampshire, to successfully bring a poll book solution to the state. We will accomplish this with a system driven effort to locate, identify, process, and authorize each and every registered and qualified voter in New Hampshire.