PROPOSED RESOLUTION 24-09

APPROVAL OF ELECTRONIC POLL BOOK SYSTEMS

WHEREAS, Part XX of Chapter 55 of the New York Laws of 2019 authorizes the use of Electronic Poll Book Systems (EPBS) in New York State during elections; and

WHEREAS, said chapter law provides that the State Board of Elections "shall promulgate minimum security standards" for EPBSs being used in New York State; and

WHEREAS, said chapter law provides that the State Board shall "promulgate a list of devices that are approved for use" as EPBSs during elections; and

WHEREAS, two vendors have submitted system modifications to be considered for approval as EPBS configurations for use in New York State; and

WHEREAS, the Election Operations Unit is tasked with evaluating the systems to ensure they meet security standards and other relevant standards; and

WHEREAS, the Election Operations Unit has conducted an evaluation of said systems, and has provided summary reports for the consideration of the Board; and

WHEREAS, vulnerability scanning was performed on the systems submitted, to the extent practicable, by staff of the State Board's Secure Election Center (SEC), and reports of their findings have been provided for the consideration of the Board; and

WHEREAS, having considered the reports and the results of evaluation conducted by the Election Operations Unit and attestations received, we do hereby recommend the approval of system configurations submitted by the following vendors for use;
- KNOWiNK - Pollpad 3.5 with iOS 17.2.1, 17.3 & 17.3.1
- Tenex Software Solutions, Inc. - App version 6.0.2 with iOS 17.3 & 17.3.1

NOW THEREFORE BE IT RESOLVED that the Commissioners of the New York State Board of Elections, at their meeting convened on March 12, 2024, do hereby approve the EPBS configurations submitted by the vendors above. Such approval is based on the specific EPBS hardware and software submitted by each vendor and reviewed by the State Board of Elections. Should the vendor make, or plan to make, any modifications or alterations to the EPBS configuration approved, such modifications or alterations shall be reviewed by the State Board of Elections for approval, consistent with all change management procedures and the use of such systems shall comply with all related State Board procedures and requirements.

BE IT FURTHER RESOLVED that counties may opt to either upgrade their equipment to one of the configurations approved today for use at the April 2, 2024 Presidential Primary Election, or continue to use: KNOWiNK - Pollpad 3.4 with iOS 16.4.1/16.6.1 and Tenex Software Solutions, Inc. – App version 5.1.8 with iOS 15.6.1/16.7. Any county opting for the latter must complete the upgrade of their equipment to the newly certified configuration not later than June 1, 2024.

Electronic Poll Book System

Vendor Upgrade Report

KNOWiNK

PollPad 3.5.0

iPadOS 17.2/17.3/17.3.1

40 North Pearl Street, Suite 5

Albany, NY 12207-2729

February 23, 2024

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Update Description & Recommendation

Electronic Poll Book System (EPBS) vendor KNOWiNK expressed interest in submitting updated versions of their software and Apple's iPadOS software to be added to the list of approved configurations for use in New York State.

KNOWiNK submitted an Election System Application for a Change/Modification to ePoll Book System Approval (Appendix 1) to NYSBOE to include updates to:

- Software application:
  - Pollpad 3.5.0
- Operating system updates to iPads:
  - iPadOS 17.2/17.3/17.3.1

The operating system update was a result of Apple's release of new iPadOS versions. The iPadOS versions under consideration for approval are iPadOS 17.2/17.3/17.3.1.

The hardware remains the same as previously approved configuration:

- Hardware:
  - 6th Generation iPad
  - 7th Generation iPad
  - 8th Generation iPad
  - 9th Generation iPad

The software updates were classified into the following issue types:

- Minor Bug Fixes – minor fixes to resolve bugs that did affected NYS counties EPBs functionality specifically.
- Minor feature changes and implementation, designed to address needs for NYS KNOWiNK clients in New York State as well as needs found in other areas of the country.
- Small cosmetic changes

In addition to functional and security testing, NYSBOE requested KNOWiNK to review and complete the following as part of the evaluation and approval process:

- EPBS Vendor Attestation (Appendix 2): vendor shall attest to the overall compliance and usability of the system.
- ePoll Book Requirements Update Attestation Spreadsheet (Appendix 3): vendor shall review each functional, challenge report and security requirements used in the EPBS approval process. If the proposed update/change to the EPBS will not change how the requirement was implemented for the approved version, then the vendor shall attest to such fact. If the

proposed update/change to the EPBS will change how the requirement was implemented for the approved version, then the vendor shall attest to such fact. For each change, the vendor shall provide a description of how they have met the requirement in the proposed update. The vendor will be required to provide updated Technical Data Package (TDP) documentation/narrative with associated artifacts that offers evidence of meeting the requirement.

- EPBS Vendor Operating System Update Attestation: vendor shall attest to the operating system does not cause or introduce any issues or problems with the EPBS configurations already evaluated and approved by the State Board and does not cause or introduce any issues or problems with the EPBS configurations under evaluation by the State Board.
- Risks associated with change: vendor shall provide risks associated with making and not making the proposed changes.

Staff from NYSBOE's Secure Election Center (SEC) performed the following tasks:

- SEC performed non-authenticated vulnerability scanning of ePoll Book hardware devices, using a laptop connected to the Wi-Fi used by the ePoll Books.
- SEC captured (or "sniffed") the traffic coming from the Wi-Fi devices to ensure it is not cleartext.
- SEC used Nessus and OWASP ZAP vulnerability scanners to scan the internet facing portal that the ePoll Books connect to.

Staff from NYSBOE's Election Operations Unit (EOU) performed the following task:

- Reviewed the revised TDP information (Appendix 4)
- Functional testing to confirm that the update to the software performed as expected. Functional testing confirmed no apparent anomalies were introduced into the software and regression testing confirmed peer-to-peer connectivity and voter data check-in data was transmitted successfully between all the device types.

After completing its evaluation of the Pollpad version and iPadOS update submitted by KNOWiNK as described in this document, the Election Operations Unit has determined that this system has shown compliance with all mandatory functional and security requirements through security testing, review of submitted documentation, attestations, and functional testing. Therefore, we are recommending the updated application version (3.5.0) and iPadOS versions (17.2/17.3/17.3.1) submitted by KNOWiNK for approval.

Appendix 1 – Election System Application:

Electronic Poll Book System Change Request

Election System Application

Application Instructions

New York State Board of Elections Election System Application is for the following submission types:

- Voting System Certification
- ePoll Book System Approval
- Automated Audit Tool Authorization
- Change/Modification to Voting System Certification
- Change/Modification to ePoll Book System Approval
- Change/Modification to Automated Audit Tool Authorization

Background:

Pursuant to New York State Election Law, Rules and Regulations, election system technologies must be examined by the New York State Board of Elections (NYSBOE) before any certifications, approvals or authorizations are granted by the Commissioners.

Application Instructions:

Vendor applicants shall follow the instructions below for submission of an election system application. An application is considered complete only when all appropriate forms and supplemental materials are provided to the New York State Board of Elections (NYSBOE). Each section is considered mandatory unless otherwise indicated by specific system identification (e.g. (this section only used for Voting System Certification)).

Section 1 – Submission Type: select one of the six (6) allowable choices
Section 2 – Description of System: select the choice(s) that most accurately describe(s) the system being submitted
Section 3 – Application Date: enter the date application is submitted to NYSBOE
Section 4 – System Name and Version: enter the official name and version of the submitted system
Section 5 – Vendor Details: complete all fields
Section 6 – General Information: complete all fields and questions
Section 7 – Representative Contacts: complete all fields for Management Contact and Technical Contact
Section 8 – Identification of System Components: see detailed instructions provided on the application form
Section 9 – EAC Certifications: see detailed instructions provided on the application form (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions)
Section 10 – Support Languages: select the language(s) your system supports
Section 11 – Certification/Approval/Authorizations in Other States: see detailed instructions provided on the application form
Section 12 – Certification/Approval/Authorizations Revoked in Other States: see detailed instructions provided on the application form
Section 13 – Technical Data Package (TDP): see detailed instructions provided on the application form
Section 14 – Attestation and Signature: application must be signed by applicant with binding authority

Appendix 1 – Submission Checklist for Voting System Certification/Automated Audit Tool Authorization: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task. (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions – *Note the $5,000 requirement is only for Voting System Certifications*)

Appendix 2 – Submission checklist for Change Modification to a Certified Voting System/Authorized Automated Audit Tool: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task. (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions)

Appendix 3 – Voting System/Automated Audit Tool Attestation: attestation must be signed by applicant with binding authority (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions)

Appendix 4 – Submission Checklist for ePoll Book Systems Approval: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task. (this section only used for Electronic Poll Book Systems)

Appendix 5 – Submission Checklist for Change/Modification to an Approved ePoll Book System: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task (this section only used for Electronic Poll Book Systems)

Appendix 6 – ePoll Book Attestation: attestation must be signed by applicant with binding authority (this section only used for Electronic Poll Book Systems)

Appendix 7 – ePoll Book System Operating System Attestation: attestation must be signed by applicant with binding authority (this section only used for Electronic Poll Book Systems submitting a change/modification)

Appendix 8 – System Change Notes: see detailed instructions provided on the application form in appendix 8

Appendix 9 – Application Reference Information: reference documentation for submissions

The application shall be submitted to the NYSBOE utilizing write-once media (CD-R or DVD-R) protected by a password. Password shall be communicated to NYSBOE using an out-of-band method (not with the CD-R/DVD-R). The application shall be in the root directory of the submitted write-once media. The technical data package (TDP) file(s) should be in a sub-directory named "Technical_Data_Package". All other required documentation or artifacts shall be placed in a sub-directory named accordingly to the submission type (e.g. ePoll Book Requirements Matrix).

Upon receipt of an application, the submitted documentation will undergo review by the NYSBOE. You will be contacted if any parts of the application are determined to be insufficient. If the submitted documentation is determined to be sufficient, you will be contacted by the NYSBOE to begin arrangements for the subsequent steps of the process. The NYSBOE reserves the right to determine the extent of testing necessary for evaluation and approval of any voting technology.

In addition, a hard copy of the application must be printed, signed and submitted with the electronic submission.

Submissions shall be sent to:

NEW YORK STATE BOARD OF ELECTIONS
ATTN: ELECTION OPERATIONS UNIT
40 NORTH PEARL STREET, SUITE 5
ALBANY, NEW YORK 12207

Should you have any questions, please do not hesitate to contact the Election Operations Unit of the State Board of Elections at Election_Ops@elections.ny.gov or 518-473-5086

Election System Application

1 - Submission Type

Select all that apply:

Application for Voting System Certification	☐	Change/Modification to Voting System Certification	☐
Application for ePoll Book System Approval	☐	Change/Modification to ePoll Book System Approval	☑
Application for Automated Audit Tool Authorization	☐	Change/Modification to Automated Audit Tool Authorization	☐

2 - Description of System

Select all that apply:

Direct Record Electronic (DRE)	☐	Precinct (Optical Scan)	☐	Central Count Absentee	☐
Ballot Marking Device (BMD)	☐	Automated Audit Tool	☐	ePoll Book System (EPBS)	☑

3 – Application Date

Date the complete application is submitted to the New York State Board of Elections: February 1, 2024

4 – System Name and Version

Official name and version of the submitted system: EPBS Version (6.0.2) & iOS Version (17.3)

5 – Vendor Applicant Details

Full Legal Name of Vendor:	Tenex Sofware Solutions, Inc.
Contact Person:	Lena Santiago
Address of Company:	5021 W. Laurel Street, Tampa, FL 33607
Phone Number:	813-618-3639
E-Mail:	lena.santiago@tenexsolutions.com
Federal Tax ID Number:	59-3647858

(Fax Number: / Cell Phone: columns included in table to the right of Phone/E-Mail)

6 - General information

Do you own all rights to this equipment/system? **Yes** ☑ **No** ☐
If not, please explain:

Date when voting systems will be delivered to the New York State Board of Elections and Independent Testing Authority (ITA) for examination: February 1, 2024

Type of business\organization:

Corporation ☑	Subchapter S Corporation ☐	Privately held Corporation ☐	LLC ☐
Partnership ☐	Sole Proprietorship ☐	Other ☐	

Date Established:

If a corporation, State of Incorporation: Florida

1) Authorized to do business in NYS? **Yes** ☑ **No** ☐
2) Maintain an office in NYS? **Yes** ☐ **No** ☑
3) Independently owned? **Yes** ☑ **No** ☐

If not independently owned, name and address of parent company:

Are any electronic components of the system manufactured or assembled by another company? **Yes** ☐   **No** ☑

If "yes," name & address:

7 - Representative Contacts

Management

First Name:	Ravi	Last Name:	Kallem
Title:	President		
Address:	5021 W Laurel Street		
City:	Tampa	State:	Florida
Zip Code:	33607	Email:	ravi.kallem@tenexsolutions.com
Phone Number:	813-758-8951	Fax Number:	

Technical

First Name:	Lena	Last Name:	Santiago
Title:	Team Lead		
Address:	5021 W Laurel Street		
City:	Tampa	State:	Florida
Zip Code:	33607	Email:	lena.santiago@tenexsolutions.com
Phone Number:	813-412-0576	Fax Number:	

8 - Identification of System Components

8a - Hardware Information - Identify the following for each hardware component submitted:
- *Name (Model #)* - Provide the official name of the hardware component and, if applicable, the model number assigned to that hardware component.
- *Version* - Provide the exact version number of any firmware that runs on the hardware component. Software applications that run on a hardware component should be separately listed in the software section.
- *Type* – Indicate whether the hardware component is:
  - *New* – No version of the component has previously been certified or approved for use in New York State (NYS)
  - *Updated* – Other versions of the component have been previously been certified or approved for use in NYS
  - *No Change* – This exact version of the component has already been certified or approved for use in NYS
- *Description* - Provide a brief description of the hardware component. In addition, indicate whether the hardware component is third-party, Commercial Off The-Shelf (COTS) or vendor developed. If third-party or COTS developed, list the name of the company.
- Enter '*NA*' if there are no hardware components submitted.

Name (Model #)	Version	Type	Description
iPad (6th Generation) - A1954	6 Gen - Cell	No Change	Apple iPad Tablet
iPad (6th Generation) - A1954	6 Gen - Cell	No Change	Apple iPad Tablet
iPad (6th Generation) - A1893	6 Gen - WiFi	No Change	Apple iPad Tablet
iPad (6th Generation) - A1893	6 Gen - WiFi	No Change	Apple iPad Tablet
iPad (7th Generation) - A2200	7 Gen - WiFi	No Change	Apple iPad Tablet
iPad (8th Generation) - A2270	8 Gen - WiFi	No Change	Apple iPad Tablet
iPad (9th Generation) - A2602	9 Gen - WiFi	No Change	Apple iPad Tablet
iPad (10th Generation) - A2757	10 Gen - WiFi	No Change	Apple iPad Tablet
Epson P8 - Printer - M3160	N/A	No Change	Mobile Receipt Bluetooth Printer
Epson TM-M30 Printer - C31CE95	N/A	No Change	Thermal Receipt Bluetooth Printer

8b – Software Information – Identify the following for each software component submitted:
- *Name* - Provide the official name of the software component.
- *Version* - Provide the exact version number of the software component. Software applications that run on a hardware component but are not firmware should be separately listed in this section.
- *Type* – Indicate whether the software component is:
  - *New* – No version of the component has previously been certified or approved for use in New York State (NYS)
  - *Updated* – Other versions of the component have been previously been certified or approved for use in NYS
  - *No Change* – This exact version of the component has already been certified or approved for use in NYS
- *Description* - Provide a brief description of the software component. In addition, indicate whether the software component is third-party, COTS or vendor developed. If third-party or COTS developed, list the name of the company.
  - Note: If the software is an election management system (EMS) with multiple modules or sub-components, list the overall system name and version number, then list each sub-component application in the lines immediately following, indicating each subcomponent in the "Name (Model #)" field.
- Enter '*NA*' if there are no software components submitted.

Name (Model #)	Version	Type	Description
Precinct Central Touchpads	6.0.2	Updated	ePollbooks application was updated
Precinct Central Console	3.23.02	Updated	Web interface to Precinct Central was upd
Apple iOS	17.3	Updated	Operating system for iPad was updated

9 – Election Assistance Commission (EAC) Certifications

The New York State Board of Elections (NYSBOE) will consider any EAC certification documentation as part of the review process. For EAC certified voting systems, provide all applicable federal qualification numbers for this system, the date qualified and all related certification documentation:

10 – Supported Languages

If applicable, select all languages which will be accommodated by the system being submitted:

English ☑   Spanish ☑   Chinese ☑   Korean ☑   Bengali ☑

11 – Certification/Approval/Authorization in Other States

For each state where this exact version of the system is already certified, approved, authorized or application has been made provide the following information:

(a) The name of the state.
(b) The date on which the application for certification or approval of this exact system was first submitted to the state.
(c) Current status of that application
- Pending
- Denied
- Certified
- Approved

- Authorized

(d) Provide the date the system was certified, approved, authorized or denied, otherwise, leave the field blank.
(e) If the status is denied, provide the reason given by the state for that denial.
(f) Provide the name, mailing address, telephone number and email address of the government employee in that state who is most knowledgeable about the actual testing and evaluation of the system.

(a) State	(b) Date submitted	(c) Status	(d) Date	(e) Reason for Denial (if applicable)	(f) State Contact Information (Mailing address, Telephone #, Email)
Texas		Certified	12/15/2023		
Ohio		Certified	01/10/2024		
California		Certified	01/31/2024		
New Jersey	February 2024	Pending			
Pennsylvania	February 2024	Pending			

12 - Certification/Approval/Authorization Revoked in Other States

If state certification, approval or authorization has ever been revoked on any version of this system, identify all states in which certification, approval or authorization of any version or component of this system has been revoked or denied. If more than one version or component has been revoked or denied by a state, list each instance on a separate line. If necessary, either add additional lines to the table or list all additional instances in a separate and clearly identified document, providing the required information for each.

For each revocation or denial listed, provide the following information:
(a) The name of the state.
(b) The version of the system or component for which certification, approval or authorization was revoked or denied.
(c) The date on which that approval was revoked or denied.
(d) The reason given by the state for revoking or denying certification, approval or authorization.
(e) Identify the State employee who is most knowledgeable about the circumstances regarding that revocation or denial. For this person, provide the mailing address, telephone number and email address.

(a) State	(b) System Version	(c) Date Revoked	(d) Reason for Revocation	(e) State Contact Information (Mailing address, Telephone #, Email)

13 – Technical Data Package (TDP)

Vendors must submit a complete Technical Data Package (TDP) with the submission of this application. The TDP shall include all of the items listed within this section according to application type. If the TDP is incomplete, or if the NYSBOE cannot clearly identify each of the items listed within this section, the entire application may be rejected or placed on hold until made satisfactory by the applicant.

All documents supplied must be current for the version for which certification or approval is being requested. Documents must be titled and submitted according to the subcategories and order outlined below. All documentation must be submitted in a directory titled "(System Name and Version) - Technical Data Package".

Information disclosed in this section is a matter of public record. The vendor shall provide, either at the time of submission or no later than the completion of testing by the NYSBOE, a list of system proprietary and non-proprietary documentation, consumables, extended warranties, services, and other such items. NYSBOE considers all items to be considered public unless there is a valid and specific reason as not to disclose (e.g. security). The vendor shall conservatively identify all documents, or portions of documents, which the vendor asserts contain proprietary information not approved for public release. The vendor cannot include blanket statements that describes all items are proprietary or confidential. NYSBOE or its designee shall agree to use any proprietary information contained therein solely for the purpose of analyzing and testing the software and shall refrain from disclosing proprietary information to any other person or agency without the prior written consent of the vendor or a court order.

The content of the TDP is intended to provide clear, complete descriptions of the following information:
- Overall system design, including subsystems, modules and the interfaces among them;
- Specific functional capabilities provided by the system;
- Performance and design specifications;
- Design constraints, applicable standards, and compatibility requirements;
- Personnel, equipment, and facility requirements for system operation, maintenance, and logistical support;
- Vendor practices for assuring system quality during the system's development and subsequent maintenance; and
- Vendor practices for managing the configuration of the system during development and for modifications to the system throughout its life cycle.

At minimum, the TDP shall contain but not limited to the following required documentation. Check-off each document for confirmation of submission.

☑ **System overview**: Provide information that identifies the functional and physical components of the system, how the components are structured, and the interfaces between them.

☑ **System functionality description**: Provide the scope of the system's functional capabilities that will assist in establishing the performance, design, test, manufacture, and acceptance context for the system.

☑ **System hardware specifications**: Provide detailed specifications of all hardware components required of the system.

☑ **Software design and specifications**: Provide detailed specifications of all software components (non-COTS and COTS) required of the system. Provide documentation describing the logical design of the software. This documentation shall clearly indicate the various modules of the software, their functions, and their interrelationships with each other. This shall include the data format(s) for which the system can import and export. Provide detailed specifications of all included non-COTS software, firmware, and hardwired logic. In addition, provide precise identification of all included COTS software, firmware, and hardwired logic. This may include an overview, standards and conventions, the operating environment, functional and programming specifications, system databases, interfaces, etc.

☑ **System test and verification specifications**: Provide plans, procedures, and data used during software development and system integration to verify system logic correctness, data quality, and security. The vendor shall also provide specifications for verification and validation of overall software performance.

☑ **System security specifications**: Provide detailed descriptions of all system security specifications (design/interface specifications, security architecture, development environment specifications, security threat controls, security testing, vulnerability analysis documentation, etc.)

☑ **User/system operations procedures**: Provide all information necessary for system use by all personnel who support all election activities, as applicable, about all system functions and operations identified. This may include operational environment and features, system installation and test specification, operating procedures, documentation for poll workers, operations support, transportation and storage, etc.

☑ **System maintenance procedures**: Provide maintenance procedure information in enough detail to support election workers, information systems personnel, or maintenance personnel in the adjustment or removal and replacement of components or modules in the field.

☑ **Personnel deployment and training requirements**: Provide details on the personnel resources and training required for a jurisdiction to operate and maintain the system.
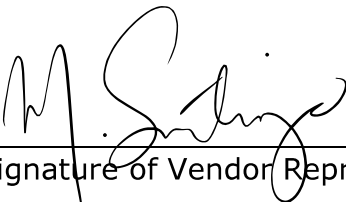
☑ **Configuration management plan**: Provide detail on the configuration management processes and procedures.

☑ **Quality assurance program**: Provide detail on the quality assurance program processes and procedures for its initial development and release and for subsequent modifications and releases.

☑ **Systems change notes**: If a revision of a previous system, supply detailed specifications of the changes. (see Appendix 8 below for minimum content required).

14 – Attestation and Signature

Vendor representative signing the application certifies that the information contained in the application is true and accurate. The vendor representative must be a person legally authorized to sign and submit the application on behalf of the vendor organization.

"I hereby certify that the information submitted on this form, as well as all attachments, attestations and submitted documentation is true, accurate and complete. I further certify that all hardware and software changes from previously certified, approved or authorized versions of system components have been clearly identified in the submitted detailed change notes. I certify that I am legally authorized to sign and submit this application on behalf of the vendor organization."

February
_____
Date

_____
Signature of Vendor Representative

Lena Santiago
_____
Print Name

Team Lead
_____
Title

Tenex Software Solutions, Inc.
_____
Company Name

Appendix 2 – Electronic Poll Book System Vendor Attestation

Appendix 6: ePoll Book Attestation

Vendor shall submit attestation:

I hereby attest to the following:

That the submitted EPBS complies with all applicable requirements and standards adopted by the state board and is suitable for use by County Board of Elections.

That the submitted EPBS software does not contain any code, procedures or other material (including but not limited to 'viruses', 'worms', 'time bombs', and 'drop-dead' devices that may cause the EPBS to cease functioning at a future time), which may disable, damage, disarm or otherwise affect the proper operation of the EPBS, any hardware, or any system or other property of state board or county board.

That the implementation of the requirements identified as 'YES' in the 'Attestation Column' of the 'ePoll Book Requirements Update Attestation' spreadsheet remain unchanged from all other configurations already evaluated and approved.

Vendor consents to vulnerability and penetration testing on their electronic poll book system as allowed by Public Law 105-304 - Digital Millennium Copyright Act, §1201(j) Security Testing.

All update submissions are subject to New York's Freedom of Information Law. It is the policy of the New York State Board of Elections, in relation to changes for approval of EPBS, that the State Board shall make available to the public all non-proprietary documentation submitted by the Vendor. The Vendor must designate those portions of the proposal that contain trade secrets or other proprietary data that must remain confidential. Blanket statements that either attempt to cover all information in a document, or which allows for a reactive assertion of exemption by the Vendor upon a future request for disclosure, will not be accepted.

_____	February 1, 2024
Signature	Date

Lena Santiago
Print Name

Tenex Software Solutions, Inc.
Company Name

5021 W. Laurel Street
Address

Tampa	FL	33607
City	State	Zip

Appendix 3 – EPBS Attestation Spreadsheet

Term	Definition
Electronic poll book system (EPBS)	Includes all software (e.g. operating systems, vendor applications, etc.) and connected hardware (e.g. electronic poll books, laptops, and peripherals including scanners, printers, signature pads, routers, servers, removable media devices, chargers, batteries, etc.) configured to support the creation of Computer Generated Registration List of voters for use during elections.
Electronic poll book system - Poll Site (EPBS-PS)	The parts of the electronic poll book system to be used at the poll site (EPBS-PS).

Req #	Electronic Poll Book System Functional Requirements	Status	Category	NYS Reference	Attestation	Vendor Attestation Response 'NO' Provide a description of how you have met the requirement in the proposed update/change. For documentation, provide the Name and Location (Section and Page Number) where requirement is met.
F-1	The parts of the electronic poll book system to be used at the poll site (EPBS-PS) shall have the capability to be labelled, locked and sealed in carrying cases with tamper-evident security seals when transported to and from the county board of elections.	Mandatory	Security	§4-134(2)	Yes	
F-2	The EPBS-PS shall have the capability to be labelled, locked and sealed in carrying cases with tamper-evident security seals when not in use at the poll site.	Mandatory	Security	§4-134(2)	Yes	
F-3	The EPBS-PS shall support a dual authentication feature where the coordinated action of (2) election inspectors who are not members of the same political party is required to enable use of the electronic poll books when poll sites open.	Mandatory	Security	§8-202	Yes	
F-4	The EPBS-PS shall display the date of the election being conducted on each screen.	Mandatory	Functional	§6212.9	Yes	
F-5	The EPBS-PS shall be capable of utilizing an "appropriate marking device" to capture the signature as signed by the registered voter.	Mandatory	Functional	§4-128(1), §4-132(c)	Yes	
F-6	The EPBS-PS shall conceal the voter's facsimile signature until after the voter has completed signing their signature, at which point both signatures will be displayed for inspector comparison.	Mandatory	Functional	§8-304(3)	Yes	
F-7	The EPBS-PS shall have the ability to display an electronic list of voters in alphabetical order for a: - single election district or - poll site	Mandatory	Functional	§1-104(38)	Yes	
F-8	The EPBS electronic list of voters shall be generated from a computer registration file for each election.	Mandatory	Functional	§1-104(38)	Yes	
F-9	When used at a primary election, the EPBS-PS shall have the ability to display the names of the voters enrolled in a particular political party.	Mandatory	Functional	§5-506(3)(c)	Yes	
F-10	The EPBS shall display, for each voter record, at least the following: - County Voter ID - Name - Street Address - Town, City or Ward - Election District - Assembly District, where appropriate - Date of Birth - Date of Registration (Month/Day/Year) - Party enrollment - Facsimile of the voter's signature or an indication that the voter is unable to sign his/her name - A notation indicating if the voter's identity was not yet verified as required by the federal Help America Vote Act.	Mandatory	Functional	§5-506(3)(c), 6212.9(b), 8-306(3), §8-304(1), §8-302(2)(a)	Yes	

F-11	The EPBS-PS shall include for each voter listed the following: - Place where a voter can sign his/her name or where it can be indicated by the inspectors that a voter is unable to sign his/her name - For voters requiring assistance, a place to enter the name of each officer or person rendering such assistance - Place for inspectors to record the number appearing on the stub of any election day paper ballot given to the voter, or other information to allow for ballot reconciliation - Place for inspectors to sign their names or initials after satisfaction of signature comparison and by comparison of his/her appearance with the descriptive material in the poll record	Mandatory	Functional	§5-506(3)(c), 6212.9(b), 8-306(3), §8-304(1), §8-302(2)(a)	Yes	
F-12	For voters requiring assistance, the EPBS-PS should display the assistance oath.	Optional	Functional	§8-306(5)	Yes	
F-13	For the canvass of absentee, military or special ballots, or ballots cast by voters with registration poll records missing, or for voters that have not had their identity previously verified or who have moved after registering, the EPBS shall provide an ability for the inspectors to place their initials in a space provided if the person is found to be registered	Optional	Functional	§9-209(2)(a)(i)(C)	Yes	
F-14	For voters described in F-13, the EPBS shall provide an ability for the inspectors to record information including but not limited to the following items: - absentee vote, - military vote, - year of election,	Optional	Functional	§9-209(2)(a)(i)(D)	Yes	
F-15	The EPBS-PS shall enable a poll worker to search for a voter's record. Search criteria must include either a complete or partial match to one or more of the following: - Last Name - First Name - Date of Birth	Mandatory	Functional	§8-302	Yes	
F-16	For primary elections, the search criteria should include all items from F-15, as well as Party Enrollment.	Optional	Functional	§8-302	Yes	
F-17	The EPBS-PS shall have the ability to display the names of special federal voters separate and apart from other voters contained in the list.	Mandatory	Functional	§11-206	Yes	
F-18	The EPBS-PS may provide a street finder or other tool that would enable election inspectors and/or poll site coordinators to determine the correct election district and polling place for a voter who is in an	Optional	Functional	§8-302	Yes	
F-19	The EPBS shall indicate whether a voter has already cast a ballot.	Mandatory	Functional		Yes	
F-20	In addition to alphabetical order, the EPBS-PS should be configurable to	Optional	Functional		Yes	
F-21	The vendor shall describe how their EPBS shall be configurable to allow	Mandatory	Functional		Yes	
F-22	The EPBS shall provide the ability for county board of elections staff to	Mandatory	Functional		Yes	
F-23	The EPBS shall be configurable to allow for the exporting of election data	Mandatory	Functional		Yes	
F-24	The EPBS shall be capable of exporting voter history in a format that can	Mandatory	Functional		Yes	
F-25	The vendor shall describe the process by which maintenance and	Mandatory	Functional		Yes	
F-26	The EPBS shall have the ability to export any voter signature captured by	Mandatory	Functional		Yes	
F-27	The EPBS must guarantee that a voter can be checked in at most once	Mandatory	Functional		Yes	
F-28	The EPBS shall identify voters that have been checked in at two or more	Mandatory	Functional		Yes	
F-29	In the event of a temporary interruption of connectivity within an EPBS,	Mandatory	Functional		Yes	
F-30	In the event of a temporary interruption of connectivity within an EPBS,	Mandatory	Functional		Yes	
F-31	In the event of a temporary interruption of connectivity within an EPBS,	Mandatory	Functional		Yes	
F-32	The vendor shall describe the process by which they will develop and	Mandatory	Training		Yes	
F-33	The vendor shall provide help-desk support to each County Board of	Mandatory	Technical		Yes	

F-34	The vendor shall provide enhanced help desk services to support CBOE	Mandatory	Technical		Yes	
F-35	The EPBS shall have the ability to generate reports based on any defined	Mandatory	Reporting		Yes	
F-36	Vendor shall provide a list of data fields which the EPBS is capable of	Mandatory	Reporting		Yes	
F-37	The EPBS should allow authorized users the capability to create, modify	Optional	Reporting		Yes	
F-38	The EPBS shall generate reports in a well established, non-proprietary	Mandatory	Reporting		Yes	
F-39	The EPBS should allow authorized users to select from a list of available	Optional	Reporting		Yes	
F-40	The EPBS shall allow authorized users to view reports before saving or	Mandatory	Reporting		Yes	
F-41	The EPBS should allow including the name of the report, the date	Optional	Reporting		Yes	
F-42	The vendor shall describe the required electrical supply specifications for	Mandatory	Power/Battery		Yes	
F-43	The vendor shall describe the EPBS-PS battery specification including but	Mandatory	Power/Battery		Yes	
F-44	The vendor shall describe how to:	Mandatory	Power/Battery		Yes	
F-45	The vendor shall describe how the EPBS-PS retains its data when power	Mandatory	Power/Battery		Yes	
F-46	In the event of a temporary loss of power, the EPBS-PS must permit a	Mandatory	Power/Battery		Yes	
F-47	The EPBS-PS shall be configured in such a way that the operator is	Mandatory	Power/Battery		Yes	
F-48	The EPBS-PS shall be capable of automatically switching to a backup	Mandatory	Power/Battery		Yes	
F-49	The EPBS shall concurrently support all connected devices from all poll	Mandatory	Non-Functional		Yes	
F-50	The vendor shall attest that they will have the ability to deliver the	Mandatory	Non-Functional		Yes	
F-51	As of the date of the vendor's application for approval of the EPBS by the	Mandatory	Non-Functional		Yes	
F-52	The vendor must provide a list of customers who are using, or have	Mandatory	Non-Functional		Yes	
F-53	The vendor must provide a description of any known anomalies in the	Mandatory	Non-Functional		Yes	
F-54	The vendor shall provide instructions and materials sufficient for the	Mandatory	Non-Functional		Yes	
F-55	The EPBS shall provide means for the integration of an additional EPBS-	Mandatory	Technical		Yes	
F-56	The EPBS shall provide means for the exclusion of an existing EPBS-PS	Mandatory	Technical		Yes	
F-57	Each EPBS-PS within an EPBS configuration must have a unique	Mandatory	Technical		Yes	
F-58	The EPBS must be designed to tolerate any single point of failure	Mandatory	Technical		Yes	
F-59	The EPBS-PS shall have the capability to display a prompt or warning if	Mandatory	Functional		Yes	
F-60	An EPBS-PS must provide a user interface through which authorized	Mandatory	User Interface		Yes	
F-61	The EPBS-PS should provide election inspectors with access to on-screen	Optional	User Interface		Yes	
F-62	The EPBS must provide a user interface through which authorized users	Mandatory	User Interface		Yes	
F-63	The EPBS must provide a user interface through which authorized users	Mandatory	User Interface		Yes	
F-64	The EPBS-PS may include a bar code reader.	Optional	Barcode		Yes	
F-65	The EPBS-PS should display a voter's record based on the processing of	Optional	Barcode		Yes	
F-66	The vendor shall describe how their EPBS supports existing Section 203	Mandatory	Functional		Yes	
F-67	The vendor shall describe how their EPBS provides accessibility	Mandatory	Functional		Yes	
F-68	The EPBS should be capable of importing ballot schema that will enable	Optional	Functional		Yes	
F-69	Vendor shall provide the results and supporting documentation related	Mandatory	Functional		Yes	

Req #	Electronic Poll Book System Functional Requirements	Status	Category	NYS Reference	Attestation	Vendor Attestation Response 'NO' Provide a description of how you have met the requirement in the proposed update/change. For documentation, provide the Name and Location (Section and Page Number) where requirement is met.
CR-1	County Board of Elections are required to complete a challenge report based on the criteria set forth in New York State Election Law §8–508. Challenge report; preparation. The vendor shall describe if and how their solution implements the requirements for each section of the challenge report. If the vendor's solution does not meet the challenge report requirements, the vendor shall document 'solution does not implement this functionality' in their response. Please see attached appendices required to complete the	Mandatory	Functional	§8–508	Yes	
CR-2	Section One – change of name or address The EPBS-PS may provide inspectors of election the ability to enter the name, address and registration serial number of each person who claims a change in name, or a change of address within the election district, together with the new name or address of each such person. The EPBS-PS may provide a place in the voter's record for the inspectors to record the information required to be entered in such 'section one' or provide a	Optional	Functional	§8–508	Yes	
CR-3	Section Two – voters challenged The EPBS-PS may provide inspectors the ability to enter the name, address and county voter ID of each person who is challenged on the day of election, together with the reason for the challenge. The EPBS-PS may provide a place in the voter's record for the inspectors to record the information required to be entered in such 'section two' or provide a separate section for the inspectors to enter such information in the EPBS-PS. If no voters are challenged, the EPBS-PS shall provide inspectors the	Optional	Functional	§8–508	Yes	
CR-4	Section Three – voters requiring assistance and who assisted The EPBS-PS may provide inspectors the ability to enter the name, address and county voter ID of each voter given assistance, together with the reason the voter was allowed assistance, the name of the person giving such assistance and his address if not an inspector. The EPBS-PS may provide a place next to the voter's name for the inspectors to record the information required to be entered in such 'section three' or provide a place for the inspectors to enter such information in the EPBS-PS. If no voters are given assistance, the EPBS-PS shall provide inspectors the	Optional	Functional	§8–508	Yes	
CR-5	Section Four – voters pursuant to court order or affidavit The EPBS-PS may provide inspectors the ability to enter the name, address and county voter ID of each person who was permitted to vote pursuant to a court order, or to vote on a paper ballot which was inserted in an affidavit envelope. The EPBS-PS may provide a place in the voter's record for the inspectors to record the information required to be entered in such 'section four' or provide a place for the inspectors to enter such information in the EPBS-PS. If there are no such names, the EPBS-PS shall provide inspectors the ability to enter the word ''None'' in	Optional	Functional	§8–508	Yes	

CR-6	The EPBS-PS may be capable of printing a challenge report which contains the names of: - All persons who were reported a name or address change (section 1); - All persons who were challenged on the day of election, and that each voter so reported as having been challenged took the oaths as required (section 2), - All voters to whom such board gave or allowed assistance and lists the nature of the disability which required such assistance to be given and the names and family relationship, if any, to the voter of the persons by whom such assistance was rendered; that each such assisted voter informed such board under oath that he required such assistance and	Optional	Functional	§8–508	Yes	
CR-7	The EPBS-PS may be capable of printing a certification at the end of the challenge report stating that the entries made are a true and accurate record of its proceedings with respect to the persons named in such	Optional	Functional	§8–508	Yes	
CR-8	The EPBS-PS may be capable of printing additional information on the challenge report including but not limited to: - City / town - Ward - Election District - Assembly district - Oath - Space for signatures of the board of inspectors of election	Optional	Functional	§8–508	Yes	

Req #	Electronic Poll Book System Security Requirements	Status	Category	Is control implemented at poll endpoint device, network, or backend system or all of the above	Attestation	Vendor Attestation Response 'NO' Provide a description of how you have met the requirement in the proposed update/change. For documentation, provide the Name and Location (Section and Page Number) where requirement is met.
S-1	Vendor shall provide a system overview and functional diagram of the entire EPBS and how each component integrates into it. The description shall include how the entire system is administered	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-2	Vendor shall provide a system architecture diagram for their proposed solution that includes a description of how the solution is architected addressing on-prem and cloud or hosted or any hybrid combination thereof. If customer systems are needed to host software, information	Mandatory	Documentation	Vendor	Yes	
S-3	Vendor shall provide software system design documentation describing the logical design of the software. This documentation shall clearly indicate the various modules of the software, their functions, and their interrelationships with each other. This shall include the data format(s)	Mandatory	Documentation	Vendor	Yes	
S-4	Vendor should provide, for any cloud hosted components, proof that those components have achieved a FedRAMP compliance and are hosted by a FedRAMP authorized cloud service provider. Vendor should provide proof of FedRAMP compliance as well as documentation	Optional	Documentation	Vendor	Yes	
S-5	All EPBS data shall remain in the Continental United States (CONUS). Any EPBS data stored, or acted upon, must be located solely in data centers in CONUS. Services which directly or indirectly access EPBS data shall only be performed from locations within CONUS. Vendor shall	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-6	All EPBS data in transit shall remain in CONUS and be encrypted in accordance with requirement #S-55 below. Vendor shall provide proof of compliance.	Mandatory	Encryption	Entire ePoll Book System	Yes	
S-7	Vendor shall provide, for any non-cloud hosted components, evidence of any third party validation of security controls or assessments that have been completed.	Mandatory	Documentation	Vendor	Yes	
S-8	Vendor shall develop, document and maintain the baseline configuration of the EPBS hardware and software components. The vendor documentation shall describe all maintenance activities that are necessary to ensure the EPBS remains in the desired configuration and functioning in a secure manner. This baseline configuration and maintenance procedures document shall be provided and shall clearly	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-9	Vendor shall provide documentation on how the poll book solution and its related components have been hardened to any applicable Center for Internet Security (CIS) benchmarks, or to other standards (e.g., DoD DISA STIGs). Name all standards used and to which component they	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-10	The EPBS shall support the use of multi-factor authentication for all privileged and administrator access other than at the poll site	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-11	The EPBS shall incorporate protections to prevent fraudulent manipulation of the voter check-in process. Vendor shall describe both the preventative and detective controls within the system	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-12	The EPBS shall employ the principle of least privilege for each permitted role within the system, allowing only authorized accesses for users (or processes acting on behalf of users) that are necessary to accomplish assigned tasks such as poll worker and voter roles as well as	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-13	The EPBS shall require the coordinated action of (2) election inspectors who are not members of the same political party to enable use of the electronic poll books for poll site operation.	Mandatory	Access Control	ePoll Book/Poll Site	Yes	

S-14	Vendor shall describe what configuration item changes can be made by authorized individuals through system defined Administration role(s).	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-15	Vendor shall describe the capabilities of the EPBS related to automated timeout of inactive sessions (e.g. poll devices, remote admin connections, account login sessions, etc.)	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-16	The EPBS shall prevent unauthorized or unrecognized electronic poll book device communication with known and trusted components, including poll book backend servers, peer poll book devices and/or	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-17	The EPBS shall not require a direct connection to any other election system or election system component (i.e. voter registration system, voting machines, etc.)	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-18	The EPBS shall support: a. The ability to define groups and role-based access b. The ability to create, enable, modify, disable, and archive EPBS accounts	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-19	The EPBS shall: a. Enforce a configurable limit of consecutive invalid login attempts by a user b. Automatically disable or lock an account until released by an administrator or manager after a block is reached when the maximum	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-20	The EPBS shall:	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-21	The EPBS shall:	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-22	The EPBS shall support the use of unique user IDs.	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-23	The EPBS shall support industry best practices regarding passwords (e.g.	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-24	The EPBS shall support mutual device authentication.	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-25	Vendor shall describe how the EPBS components can be tracked,	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-26	The EPBS shall be capable of providing comprehensive audit logs that	Mandatory	Audit	Entire ePoll Book System	Yes	
S-27	Vendor shall provide a listing and description of what messages and	Mandatory	Audit	Entire ePoll Book System	Yes	
S-28	The EPBS shall support capturing, at a minimum, date and time-	Mandatory	Audit	Entire ePoll Book System	Yes	
S-29	The EPBS shall support the generation of alerts to responsible staff (by	Mandatory	Audit	Entire ePoll Book System	Yes	
S-30	The EPBS shall manage and allocate audit record storage capacity and	Mandatory	Audit	Entire ePoll Book System	Yes	
S-31	The EPBS shall provide the capability to review and analyze EPBS audit	Mandatory	Audit	Entire ePoll Book System	Yes	
S-32	The EPBS shall:	Mandatory	Audit	Entire ePoll Book System	Yes	
S-33	The EPBS shall protect audit information and audit tools from	Mandatory	Audit	Entire ePoll Book System	Yes	
S-34	The EPBS shall:	Mandatory	Backup &	Backend System	Yes	
S-35	The EPBS shall support a hot-swappable feature to be configured in	Mandatory	Backup &	Entire ePoll Book System	Yes	
S-36	The EPBS shall be able to recover from the following events: a non-	Mandatory	Backup &	Entire ePoll Book System	Yes	
S-37	The EPBS shall:	Mandatory	Contingency	Entire ePoll Book System	Yes	
S-38	Vendor shall provide documentation on how their Software	Mandatory	Documentation	Vendor	Yes	
S-39	Vendor shall describe how it employs best practices and methodologies	Mandatory	Documentation	Vendor	Yes	
S-40	Vendor shall describe what capabilities the EPBS has to detect, alert and	Mandatory	Documentation	Vendor	Yes	
S-41	Vendor shall provide documentation and testing results showing that	Mandatory	Documentation	Vendor	Yes	
S-42	Vendor shall provide all the documentation necessary for the	Mandatory	Documentation	Vendor	Yes	
S-43	Vendor shall provide documentation from other election jurisdictions	Mandatory	Documentation	Vendor	Yes	
S-44	Vendor documentation shall include recommendations for protecting	Mandatory	Documentation	Vendor	Yes	
S-45	Vendor shall provide detailed information concerning all consumables	Mandatory	Documentation	Vendor	Yes	
S-46	Vendor shall describe encryption and other security measures in place	Mandatory	Documentation	Vendor	Yes	
S-47	Vendor shall describe recommended or included, internet intrusion	Mandatory	Documentation	Network	Yes	
S-48	Vendor shall provide documentation on a system's non-functional	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-49	Vendor shall describe the security controls used in the development of	Mandatory	Documentation	Vendor	Yes	
S-50	Vendor shall provide "User Guide" documentation for each user role	Mandatory	Documentation	ePoll Book/Poll Site	Yes	
S-51	Vendor shall describe all recommended controls, processes and	Optional	Documentation	Vendor	Yes	
S-52	Vendor shall describe, when cryptography is required and used within	Mandatory	Encryption	Entire ePoll Book System	Yes	

S-53	Vendor shall describe, when cryptographic mechanisms are used, the	Mandatory	Encryption	Entire ePoll Book System	Yes	
S-54	The EPBS shall support non-repudiation and protection against an	Mandatory	Encryption	Vendor	Yes	
S-55	The EPBS shall encrypt all data at rest and in transit utilizing FIPS 140-2	Mandatory	Encryption	Entire ePoll Book System	Yes	
S-56	The EPBS shall utilize cryptographic hashing and storage for all system	Mandatory	Encryption	Vendor	Yes	
S-57	Vendor shall describe how it protects and controls digital (e.g., CD, DVD,	Mandatory	Evaluation	Entire ePoll Book System	Yes	
S-58	Vendor shall provide the results and supporting documentation related	Mandatory	Evaluation	Vendor	Yes	
S-59	The EPBS shall uniquely identify and authenticate defined types of	Mandatory	Identification &	Entire ePoll Book System	Yes	
S-60	Vendor shall describe, for hosted solution offerings, how their incident	Mandatory	Incident	Vendor	Yes	
S-61	Vendor shall describe how any file to be used within the EPBS, (e.g., for	Mandatory	Integrity	Vendor	Yes	
S-62	The EPBS shall be protected against malware. The vendor shall provide	Mandatory	Integrity	Vendor	Yes	
S-63	Vendor shall describe how they:	Mandatory	Integrity	Vendor	Yes	
S-64	Vendor shall describe how remote system administration, software	Mandatory	Integrity	Entire ePoll Book System	Yes	
S-65	Vendor shall describe how their EPBS solution verifies the integrity of	Mandatory	Integrity	Vendor	Yes	
S-66	Vendor shall describe how EPBS-PS are synchronized/networked with	Mandatory	Network	ePoll Book/Poll Site	Yes	
S-67	Vendor shall describe how all voter activity shall be securely captured	Mandatory	Network	Entire ePoll Book System	Yes	
S-68	Vendor shall describe, if an electronic poll book device be enabled or	Mandatory	Network	Network	Yes	
S-69	The EPBS shall enable WPA3 for all wireless connections, if available. If	Mandatory	Network	Network	Yes	
S-70	Vendor shall provide a detailed list of system error messages one might	Mandatory	Operational	ePoll Book/Poll Site	Yes	
S-71	Vendor shall describe how the EPBS protects against unauthorized use.	Mandatory	Physical	Vendor	Yes	
S-72	Vendor shall describe what options are available to protect the EPBS-PS	Mandatory	Physical	ePoll Book/Poll Site	Yes	
S-73	Vendor shall describe for EPBS-PS, what security risks are mitigated	Mandatory	Physical	ePoll Book/Poll Site	Yes	
S-74	Vendor shall describe how redundancy is built into the EPBS to	Mandatory	Server	Entire ePoll Book System	Yes	
S-75	Vendor shall document how the EPBS protects the integrity and	Mandatory	System and	Vendor	Yes	
S-76	Vendor shall describe how, if utilized, public key certificates are issued	Mandatory	System and	Network	Yes	
S-77	Vendor shall describe how the EPBS fails to a known secure state for all	Mandatory	System and	Entire ePoll Book System	Yes	
S-78	Vendor shall produce security patches within the service-level	Mandatory	Network	Entire ePoll Book System	Yes	
S-79	Vendor shall describe how software and devices meet the least	Mandatory	Network	Network	Yes	

Appendix 4 – KNOWiNK TDP Review 3.2.0

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
1	System Configuration Overview	VVSG Vol 2: 2.2	System Overview	In the system overview, the vendor shall provide information that enables identification the functional and physical components of the system, how the components are structured, and the interfaces between them. The vendor shall include system description and details of the system performance.	Yes	*Admin Operating Manual.pdf* *State of New York Poll Worker Guide.pdf* *Configuration Mangement Plan.pdf* *Technical Data Package.pdf*
2	System functionality description	VVSG Vol 2: 2.3	System Description	The vendor shall declare the scope of the system's functional capabilities, thereby establishing the performance, design, test, manufacture, and acceptance context for the system. The vendor shall provide a listing of the system's functional processing capabilities, encompassing capabilities required by the Guidelines and any additional capabilities provided by the system. This listing shall provide a simple description of each capability. Detailed specifications shall be provided in other documentation required for the TDP.	Yes	*Hardware Specifications.pdf* *State of New York Poll Worker Guide.pdf* *Technical Data Package.pdf*
3	System hardware specifications	VVSG Vol 2: 2.4	System Hardware Specification	The vendor shall expand on the system overview by providing detailed specifications of the hardware components of the system, including specifications of hardware used to support the telecommunications capabilities of the system, if applicable.	Yes	*Hardware Specifications.pdf* *Compatible Peripherals.pdf* *Configuration Mangement Plan.pdf* *Technical Data Package.pdf* *Support and Maintenance.pdf*
4	System hardware specifications	VVSG Vol 2: 2.4.2	Design and Construction	The vendor shall provide sufficient data, or references to data, to identify unequivocally the details of the system configuration submitted for testing. The vendor shall provide a list of materials and components used in the system and a description of their assembly into major system components and the system as a whole.	Yes	*Compatible Peripherals.pdf* *Consumables.pdf* *Hardware Specifications.pdf* *Technical Data Package.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided

5	System hardware specifications	VVSG Vol 2: 2.4.1	System Hardware Characteristics	The vendor shall provide a detailed discussion of the characteristics of the system including:
				   -Performance characteristics: basic system performance attributes and operational scenarios that describe the manner in which system functions are invoked, describe environmental
				capabilities, describe life expectancy, and describe any other essential aspects of system performance.
				   -Physical characteristics: This discussion addresses suitability for intended use, requirements for transportation and storage,
				health and safety criteria, security criteria, and vulnerability to adverse environmental factors.
				   -Reliability: This discussion addresses system and component reliability stated in terms of the system's operating functions, and identification of items that require special handling or operation to sustain system reliability.
				   -Maintainability: Maintainability represents the ease with which maintenance actions can be performed based on the design characteristics of equipment and software and the processes the vendor and election officials have in place for preventing failures and for reacting to failures. Maintainability includes the ability of equipment and software to self-diagnose problems and make non-technical election workers aware of a problem.
				   Maintainability also addresses a range of scheduled and unscheduled events.
				   -Environmental conditions: This discussion addresses the ability of the system to withstand natural environments, and operational constraints in normal and test environments, including all requirements and restrictions regarding electrical service, telecommunications services, environmental protection, any additional facilities or resources required to install and operate the system.
					Yes	*Hardware Specifications.pdf*
						Technical Data Package.pdf
						Compatible Peripherals.pdf
						Configuration Mangement Plan.pdf
						Support and Maintenance.pdf

6	Software design and specifications	VVSG Vol 2: 2.5	Software Design and Specification	The vendor shall expand on the system overview by providing detailed specifications of the software components of the system, including software used to support the telecommunications capabilities of the system, if applicable. This includes software overview, software standards and conventions, software operating environment, hardware environment and constraints, software environment, software functional specifications, configurations and operating modes, software functions, programming specifications with overview and details, system database, interfaces, and interface identification and description.	Yes	*Software System Design.pdf* *Admin Operating Manual.pdf* *Technical Data Package.pdf*
7	System security specifications	VVSG Vol 2: 2.6	System Security Specification	Vendors shall submit a system security specification that addresses the level of security provided by the system in terms of the specific security risks addressed by the system, the means by which each risk is addressed, the process used to test and verify the effective operation of security capabilities and, for systems that use public telecommunications networks the means used to keep the security capabilities of the system current to respond to the evolving threats against these systems.	Yes	*RecommendedSecurityPractices.pdf* *Technical Data Package.pdf,* *Apple Platform Security-February 2021,* *Admin Operating Manual.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
8	System security specifications	VVSG Vol 2: 2.6.1	Access Control Policy	The vendor shall specify the features and capabilities of the access control policy recommended to purchasing jurisdictions to provide effective EPBS security. The access control policy shall address the general features and capabilities and individual access privileges.	Yes	*RecommendedSecurityPractices.pdf Technical Data Package.pdf, Admin Operating Manualpdf*
9	System security specifications	VVSG Vol 2: 2.6.2	Access Control Measures	The vendor shall provide a detailed description of all system access control measures and mandatory procedures designed to permit access to system states in accordance with the access policy, and to prevent all other types of access. The vendor also shall define and provide a detailed description of the methods used to preclude unauthorized access to the access control capabilities of the system itself.	Yes	*RecommendedSecurityPractices.pdf Technical Data Package.pdf, Admin Operating Manual,*
10	System security specifications	VVSG Vol 2: 2.6.3	Equipment and Data Security	The vendor shall provide a detailed description of system capabilities and mandatory procedures for purchasing jurisdictions to prevent disruption of the voting process and corruption of voting data. This information shall address measures for polling place security.	Yes	*RecommendedSecurityPractices.pdf Technical Data Package.pdf, Admin Operating Manual,*
11	System security specifications	VVSG Vol 2: 2.6.4	Software Installation	The vendor shall provide a detailed description of the system capabilities and mandatory procedures for purchasing jurisdictions to ensure secure software (including firmware) installation to meet the specific requirements. This information shall address software installation for all system components.	Yes	*Software System Design.pdf Technical Data Package.pdf Admin Operating Manual.pdf Devices are delivered pre-installed*
12	System security specifications	VVSG Vol 2: 2.6.5	Telecommunications and Data Transmission Security	The vendor shall provide a detailed description of the system capabilities and mandatory procedures for purchasing jurisdictions to ensure secure data transmission. For all systems, this information shall address access control, and prevention of data interception.	Yes	*RecommendedSecurityPractices.pdf Admin Operating Manual.pdf*
13	System test and verification specifications	VVSG Vol 2: 2.7	System Test and Verification Specification	The vendor shall provide test and verification specifications for development test specifications. The vendor shall describe the plans, procedures, and data used during software development and system integration to verify system logic correctness, data quality, and security.	Yes	*Intenal and External Testing.pdf Technical Data Package.pdf Admin Operating Manual.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
14	User/system operations procedures	VVSG Vol 2: 2.8	System Operations Procedures	This documentation shall provide all information necessary for system use by all personnel who support pre-election and election preparation, polling place activities and central counting activities, as applicable, with regard to all system functions and operations identified in Subsection 2.3 above. The nature of the instructions for operating personnel will depend upon the overall system design and required skill level of system operations support personnel. The system operations procedures shall contain all information that is required for the preparation of detailed system operating procedures, and for operator training. This includes details describing the operational environment, system installation and test specification, operational features, operating procedures, and operations support.	Yes	*Admin Operating Manual.pdf* *Personnel Deployment and Training.pdf* *State of New York Poll Worker Guide.pdf* *Technical Data Package.pdf,* *Admin Operating Manual.pdf*
15	System maintenance procedures	VVSG Vol 2: 2.9	System Maintenance Manual	The system maintenance procedures shall provide information in sufficient detail to support election workers, information systems personnel, or maintenance personnel in the adjustment or removal and replacement of components or modules in the field. Technical documentation needed solely to support the repair of defective components or modules ordinarily done by the manufacturer or software developer is not required. Recommended service actions to correct malfunctions or problems shall be discussed, along with personnel and expertise required to repair and maintain the system; and equipment, materials, and facilities needed for proper maintenance. This manual shall include maintenance procedures, preventative maintenance procedures, corrective maintenance procedures, identification of maintenance equipment as well as parts and materials, common standards, maintenance facilities and support.	Yes	*Support and Maintenance.pdf* *Storage and Warehouse Requirements.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*
16	Personnel deployment and training requirements	VVSG Vol 2: 2.10	Personnel Deployment and Training Requirements	The vendor shall specify the number of personnel and skill levels required to perform each of the following functions: Pre-election or election preparation functions (e.g., entering an election, generating pre-election reports. System operations for voting system functions performed at the polling place System operations for voting system functions performed at the central count facility Preventive maintenance tasks. Diagnosis of faulty hardware or software Corrective maintenance tasks. Testing to verify the correction of problems.	Yes	*Personnel Deployment and Training.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
17	Configuration management plan	VVSG Vol 2: 2.11	Configuration Management Plan	Vendors shall submit a Configuration Management Plan that describes all policies, processes, and procedures employed by the vendor to carry out these requirements. Information submitted by the vendor shall be used by to assist in developing and executing the test plan. This information is particularly important to support the design of test plans for system modifications. A well-organized, robust and detailed Configuration Management Plan will enable testers to more readily determine the nature and scope of tests needed to fully test the modifications. The Configuration Management Plan shall contain Configuration Management Policy, Configuration Identification, Baseline and Promotion, Configuration Control Procedures, Release Process, Configuration Audits, and Configuration Management Resources.	Yes	*Configuration Mangement Plan.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*
18	Quality assurance program	VVSG Vol 2: 2.12	Quality Assurance Program	Vendors shall submit a Quality Assurance Program that addresses the quality assurance policies, processes, and procedures employed by the vendor to ensure the overall quality of the system for its initial development and release and for subsequent modifications and releases. This information is particularly important to support the design of test plans by the accredited test lab. A well-organized, robust and detailed Quality Assurance Program will more readily determine the nature and scope of tests needed to test the system appropriately. The Quality Assurance Program shall, at a minimum, address Quality Assurance Policy, Parts and Materials Tests, and Quality Conformance Inspections.	Yes	*Internal Quality Assurance Procedures.pdf* *Intenal and External Testing.pdf* *Technical Data Package.pdf*
19	System change notes	VVSG Vol 2: 2.13	System Change Notes	Vendors submitting modifications for a system that has been previously approved by NYSBOE shall submit system change notes. These will be used to assist in developing and executing the test plan for the modified system. The an example of the system change notes shall include the following information: Summary description of the nature and scope of the changes, reasons for each change, a listing of the specific changes made, citing the specific system configuration items changed, providing detailed references to the documentation sections changed, a detail of the specific sections of the documentation that are changed (or completely revised documents, if more suitable to address a large number of changes), documentation of the test plan and procedures executed by the vendor for testing the individual changes, and the system as a whole, and records of test results.	Yes	*TENEX - 6.0.2 Change Log*

Electronic Poll Book System

Vendor Upgrade Report

Version 6.0.2

iOS 17.3/17.3.1

Tenex

40 North Pearl Street, Suite 5

Albany, NY 12207-2729

February 23, 2024

Version History

02.23.2024– Original Version drafted

Table of Contents

Update Description & Recommendation

Electronic Poll Book System (EPBS) vendor Tenex expressed interest in submitting an updated version of their software and Apple's iPadOS software to be added to the list of approved configurations for use in New York State.

Tenex submitted an Election System Application for a Change/Modification to ePoll Book System Approval (Appendix 1) to NYSBOE to include updates to:

- Software application:
  - Precinct Central Touchpad: Version 6.0.2
  - Precinct Central Console: Version 3.23.02
- Operating system:
  - iPadOS 17.3/17.3.1

The operating system update was a result of Apple's release of new iPadOS versions. The iPadOS versions under consideration for approval are iPadOS 17.3/17.3.1.

The hardware remains the same as the previously approved configuration:

- Hardware:
  - 6th Generation iPad
  - 7th Generation iPad
  - 8th Generation iPad
  - 9th Generation iPad

The software updates were classified into the following issue types:

- Enhancement – improved and built upon existing features

In addition to functional and security testing, NYSBOE requested Tenex to review and complete the following as part of the evaluation and approval process:

- EPBS Vendor Change Request Attestation (Appendix 2): vendor shall attest to the overall compliance and usability of the system.
- ePoll Book Requirements Update Attestation Spreadsheet (Appendix 3): vendor shall review each functional, challenge report and security requirements used in the EPBS approval process. If the proposed update/change to the EPBS will not change how the requirement was implemented for the approved version, then the vendor shall attest to such fact. If the proposed update/change to the EPBS will change how the requirement was implemented for the approved version, then the vendor shall attest to such fact. For each change, the vendor shall provide a description of how they have met the requirement in the proposed update.

The vendor will be required to provide updated Technical Data Package (TDP) documentation/narrative with associated artifacts that offers evidence of meeting the requirement.

- EPBS Vendor Operating System Update Attestation: vendor shall attest to the operating system does not cause or introduce any issues or problems with the EPBS configurations already evaluated and approved by the State Board and does not cause or introduce any issues or problems with the EPBS configurations under evaluation by the State Board.
- Risks associated with change: vendor shall provide risks associated with making and not making the proposed changes.

Staff from NYSBOE's Secure Election Center (SEC) performed the following tasks:

- SEC performed non-authenticated vulnerability scanning of ePoll Book hardware devices, using a laptop connected to the Wi-Fi used by the ePoll Books.
- SEC captured (or "sniffed") the traffic coming from the Wi-Fi devices to ensure it is not cleartext.
- SEC used Nessus and OWASP ZAP vulnerability scanners to scan the internet facing portal that the ePoll Books connect to.

Staff from NYSBOE's Election Operations Unit (EOU) performed the following tasks:

- Reviewed the revised TDP information (Appendix 4)
- Functional testing to confirm that the update to the software performed as expected. Functional testing confirmed no apparent anomalies were introduced into the software and regression testing confirmed peer-to-peer connectivity and voter data check-in data was transmitted successfully between all the device types.

After completing its evaluation of the software updates submitted by Tenex as described in this document, the Election Operations Unit has determined that this system has shown compliance with all mandatory functional and security requirements through security testing, review of submitted documentation, attestations, and functional testing. Therefore, we are recommending the updated applications (Precinct Central Touchpad: Version 6.0.2 / Precinct Central Console: Version 3.23.02) and iPadOS versions (17.3/17.3.1) submitted by Tenex for approval.

Appendix 1 - Election System Application: Electronic Poll Book System Change Request

Election System Application

Application Instructions

New York State Board of Elections Election System Application is for the following submission types:

- Voting System Certification
- ePoll Book System Approval
- Automated Audit Tool Authorization
- Change/Modification to Voting System Certification
- Change/Modification to ePoll Book System Approval
- Change/Modification to Automated Audit Tool Authorization

Background:

Pursuant to New York State Election Law, Rules and Regulations, election system technologies must be examined by the New York State Board of Elections (NYSBOE) before any certifications, approvals or authorizations are granted by the Commissioners.

Application Instructions:

Vendor applicants shall follow the instructions below for submission of an election system application. An application is considered complete only when all appropriate forms and supplemental materials are provided to the New York State Board of Elections (NYSBOE). Each section is considered mandatory unless otherwise indicated by specific system identification (e.g. (this section only used for Voting System Certification)).

Section 1 – Submission Type: select one of the six (6) allowable choices
Section 2 – Description of System: select the choice(s) that most accurately describe(s) the system being submitted
Section 3 – Application Date: enter the date application is submitted to NYSBOE
Section 4 – System Name and Version: enter the official name and version of the submitted system
Section 5 – Vendor Details: complete all fields
Section 6 – General Information: complete all fields and questions
Section 7 – Representative Contacts: complete all fields for Management Contact and Technical Contact
Section 8 – Identification of System Components: see detailed instructions provided on the application form
Section 9 – EAC Certifications: see detailed instructions provided on the application form (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions)
Section 10 – Support Languages: select the language(s) your system supports
Section 11 – Certification/Approval/Authorizations in Other States: see detailed instructions provided on the application form
Section 12 – Certification/Approval/Authorizations Revoked in Other States: see detailed instructions provided on the application form
Section 13 – Technical Data Package (TDP): see detailed instructions provided on the application form
Section 14 – Attestation and Signature: application must be signed by applicant with binding authority

Appendix 1 – Submission Checklist for Voting System Certification/Automated Audit Tool Authorization: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task. (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions – *Note the $5,000 requirement is only for Voting System Certifications*)

Appendix 2 – Submission checklist for Change Modification to a Certified Voting System/Authorized Automated Audit Tool: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task. (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions)

Appendix 3 – Voting System/Automated Audit Tool Attestation: attestation must be signed by applicant with binding authority (this section only used for Voting System Certifications/Automated Audit Tool Authorizations submissions)

Appendix 4 – Submission Checklist for ePoll Book Systems Approval: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task. (this section only used for Electronic Poll Book Systems)

Appendix 5 – Submission Checklist for Change/Modification to an Approved ePoll Book System: Use this checklist to confirm that all required items will be submitted to the NYS Board of Elections. Place a 'Check' to indicate completion of task (this section only used for Electronic Poll Book Systems)

Appendix 6 – ePoll Book Attestation: attestation must be signed by applicant with binding authority (this section only used for Electronic Poll Book Systems)

Appendix 7 – ePoll Book System Operating System Attestation: attestation must be signed by applicant with binding authority (this section only used for Electronic Poll Book Systems submitting a change/modification)

Appendix 8 – System Change Notes: see detailed instructions provided on the application form in appendix 8

Appendix 9 – Application Reference Information: reference documentation for submissions

The application shall be submitted to the NYSBOE utilizing write-once media (CD-R or DVD-R) protected by a password. Password shall be communicated to NYSBOE using an out-of-band method (not with the CD-R/DVD-R). The application shall be in the root directory of the submitted write-once media. The technical data package (TDP) file(s) should be in a sub-directory named "Technical_Data_Package". All other required documentation or artifacts shall be placed in a sub-directory named accordingly to the submission type (e.g. ePoll Book Requirements Matrix).

Upon receipt of an application, the submitted documentation will undergo review by the NYSBOE. You will be contacted if any parts of the application are determined to be insufficient. If the submitted documentation is determined to be sufficient, you will be contacted by the NYSBOE to begin arrangements for the subsequent steps of the process. The NYSBOE reserves the right to determine the extent of testing necessary for evaluation and approval of any voting technology.

In addition, a hard copy of the application must be printed, signed and submitted with the electronic submission.

Submissions shall be sent to:

NEW YORK STATE BOARD OF ELECTIONS
ATTN: ELECTION OPERATIONS UNIT
40 NORTH PEARL STREET, SUITE 5
ALBANY, NEW YORK 12207

Should you have any questions, please do not hesitate to contact the Election Operations Unit of the State Board of Elections at Election_Ops@elections.ny.gov or 518-473-5086

Election System Application

1 - Submission Type

Select all that apply:

Application for Voting System Certification	☐	Change/Modification to Voting System Certification	☐
Application for ePoll Book System Approval	☐	Change/Modification to ePoll Book System Approval	☑
Application for Automated Audit Tool Authorization	☐	Change/Modification to Automated Audit Tool Authorization	☐

2 - Description of System

Select all that apply:

Direct Record Electronic (DRE)	☐	Precinct (Optical Scan)	☐	Central Count Absentee	☐
Ballot Marking Device (BMD)	☐	Automated Audit Tool	☐	ePoll Book System (EPBS)	☑

3 – Application Date

Date the complete application is submitted to the New York State Board of Elections: February 1, 2024

4 – System Name and Version

Official name and version of the submitted system: EPBS Version (6.0.2) & iOS Version (17.3)

5 – Vendor Applicant Details

Full Legal Name of Vendor:	Tenex Sofware Solutions, Inc.
Contact Person:	Lena Santiago
Address of Company:	5021 W. Laurel Street, Tampa, FL 33607
Phone Number:	813-618-3639	Fax Number:	
E-Mail:	lena.santiago@tenexsolutions.com	Cell Phone:	
Federal Tax ID Number:	59-3647858

6 - General information

Do you own all rights to this equipment/system? **Yes** ☑ **No** ☐
If not, please explain:

Date when voting systems will be delivered to the New York State Board of Elections and Independent Testing Authority (ITA) for examination: February 1, 2024

Type of business\organization:

Corporation ☑	Subchapter S Corporation ☐	Privately held Corporation ☐	LLC ☐
Partnership ☐	Sole Proprietorship ☐	Other ☐	

Date Established:

If a corporation, State of Incorporation: Florida

1) Authorized to do business in NYS? **Yes** ☑ **No** ☐
2) Maintain an office in NYS? **Yes** ☐ **No** ☑
3) Independently owned? **Yes** ☑ **No** ☐

If not independently owned, name and address of parent company:

Are any electronic components of the system manufactured or assembled by another company? **Yes** ☐ **No** ☑

If "yes," name & address:

7 – Representative Contacts

Management

First Name:	Ravi	Last Name:	Kallem
Title:	President		
Address:	5021 W Laurel Street		
City:	Tampa	State:	Florida
Zip Code:	33607	Email:	ravi.kallem@tenexsolutions.com
Phone Number:	813-758-8951	Fax Number:	

Technical

First Name:	Lena	Last Name:	Santiago
Title:	Team Lead		
Address:	5021 W Laurel Street		
City:	Tampa	State:	Florida
Zip Code:	33607	Email:	lena.santiago@tenexsolutions.com
Phone Number:	813-412-0576	Fax Number:	

8 – Identification of System Components

8a – Hardware Information – Identify the following for each hardware component submitted:
- *Name (Model #)* - Provide the official name of the hardware component and, if applicable, the model number assigned to that hardware component.
- *Version* - Provide the exact version number of any firmware that runs on the hardware component. Software applications that run on a hardware component should be separately listed in the software section.
- *Type* – Indicate whether the hardware component is:
  - o *New* – No version of the component has previously been certified or approved for use in New York State (NYS)
  - o *Updated* – Other versions of the component have been previously been certified or approved for use in NYS
  - o *No Change* – This exact version of the component has already been certified or approved for use in NYS
- *Description* - Provide a brief description of the hardware component. In addition, indicate whether the hardware component is third-party, Commercial Off The-Shelf (COTS) or vendor developed. If third-party or COTS developed, list the name of the company.
- Enter '*NA*' if there are no hardware components submitted.

Name (Model #)	Version	Type	Description
iPad (6th Generation) - A1954	6 Gen - Cell	No Change	Apple iPad Tablet
iPad (6th Generation) - A1954	6 Gen - Cell	No Change	Apple iPad Tablet
iPad (6th Generation) - A1893	6 Gen - WiFi	No Change	Apple iPad Tablet
iPad (6th Generation) - A1893	6 Gen - WiFi	No Change	Apple iPad Tablet
iPad (7th Generation) - A2200	7 Gen - WiFi	No Change	Apple iPad Tablet
iPad (8th Generation) - A2270	8 Gen - WiFi	No Change	Apple iPad Tablet
iPad (9th Generation) - A2602	9 Gen - WiFi	No Change	Apple iPad Tablet
iPad (10th Generation) - A2757	10 Gen - W	No Change	Apple iPad Tablet
Epson P8 - Printer - M3160	N/A	No Change	Mobile Receipt Bluetooth Printer
Epson TM-M30 Printer - C31CE95	N/A	No Change	Thermal Receipt Bluetooth Printer

8b – Software Information – Identify the following for each software component submitted:
- *Name* - Provide the official name of the software component.
- *Version* - Provide the exact version number of the software component. Software applications that run on a hardware component but are not firmware should be separately listed in this section.
- *Type* – Indicate whether the software component is:
  - *New* – No version of the component has previously been certified or approved for use in New York State (NYS)
  - *Updated* – Other versions of the component have been previously been certified or approved for use in NYS
  - *No Change* – This exact version of the component has already been certified or approved for use in NYS
- *Description* - Provide a brief description of the software component. In addition, indicate whether the software component is third-party, COTS or vendor developed. If third-party or COTS developed, list the name of the company.
  - Note: If the software is an election management system (EMS) with multiple modules or sub-components, list the overall system name and version number, then list each sub-component application in the lines immediately following, indicating each subcomponent in the "Name (Model #)" field.
- Enter '*NA*' if there are no software components submitted.

Name (Model #)	Version	Type	Description
Precinct Central Touchpads	6.0.2	Updated	ePollbooks application was updated
Precinct Central Console	3.23.02	Updated	Web interface to Precinct Central was upd
Apple iOS	17.3	Updated	Operating system for iPad was updated

9 - Election Assistance Commission (EAC) Certifications

The New York State Board of Elections (NYSBOE) will consider any EAC certification documentation as part of the review process. For EAC certified voting systems, provide all applicable federal qualification numbers for this system, the date qualified and all related certification documentation:

10 - Supported Languages

If applicable, select all languages which will be accommodated by the system being submitted:

English ☑   Spanish ☑   Chinese ☑   Korean ☑   Bengali ☑

11 - Certification/Approval/Authorization in Other States

For each state where this exact version of the system is already certified, approved, authorized or application has been made provide the following information:

(a) The name of the state.
(b) The date on which the application for certification or approval of this exact system was first submitted to the state.
(c) Current status of that application
- Pending
- Denied
- Certified
- Approved

- Authorized

(d) Provide the date the system was certified, approved, authorized or denied, otherwise, leave the field blank.
(e) If the status is denied, provide the reason given by the state for that denial.
(f) Provide the name, mailing address, telephone number and email address of the government employee in that state who is most knowledgeable about the actual testing and evaluation of the system.

(a) State	(b) Date submitted	(c) Status	(d) Date	(e) Reason for Denial (if applicable)	(f) State Contact Information (Mailing address, Telephone #, Email)
Texas		Certified	12/15/2023		
Ohio		Certified	01/10/2024		
California		Certified	01/31/2024		
New Jersey	February 2024	Pending			
Pennsylvania	February 2024	Pending			

12 - Certification/Approval/Authorization Revoked in Other States

If state certification, approval or authorization has ever been revoked on any version of this system, identify all states in which certification, approval or authorization of any version or component of this system has been revoked or denied. If more than one version or component has been revoked or denied by a state, list each instance on a separate line. If necessary, either add additional lines to the table or list all additional instances in a separate and clearly identified document, providing the required information for each.

For each revocation or denial listed, provide the following information:
(a) The name of the state.
(b) The version of the system or component for which certification, approval or authorization was revoked or denied.
(c) The date on which that approval was revoked or denied.
(d) The reason given by the state for revoking or denying certification, approval or authorization.
(e) Identify the State employee who is most knowledgeable about the circumstances regarding that revocation or denial. For this person, provide the mailing address, telephone number and email address.

(a) State	(b) System Version	(c) Date Revoked	(d) Reason for Revocation	(e) State Contact Information (Mailing address, Telephone #, Email)

13 – Technical Data Package (TDP)

Vendors must submit a complete Technical Data Package (TDP) with the submission of this application. The TDP shall include all of the items listed within this section according to application type. If the TDP is incomplete, or if the NYSBOE cannot clearly identify each of the items listed within this section, the entire application may be rejected or placed on hold until made satisfactory by the applicant.

All documents supplied must be current for the version for which certification or approval is being requested. Documents must be titled and submitted according to the subcategories and order outlined below. All documentation must be submitted in a directory titled "(System Name and Version) - Technical Data Package".

Information disclosed in this section is a matter of public record. The vendor shall provide, either at the time of submission or no later than the completion of testing by the NYSBOE, a list of system proprietary and non-proprietary documentation, consumables, extended warranties, services, and other such items. NYSBOE considers all items to be considered public unless there is a valid and specific reason as not to disclose (e.g. security). The vendor shall conservatively identify all documents, or portions of documents, which the vendor asserts contain proprietary information not approved for public release. The vendor cannot include blanket statements that describes all items are proprietary or confidential. NYSBOE or its designee shall agree to use any proprietary information contained therein solely for the purpose of analyzing and testing the software and shall refrain from disclosing proprietary information to any other person or agency without the prior written consent of the vendor or a court order.

The content of the TDP is intended to provide clear, complete descriptions of the following information:
- Overall system design, including subsystems, modules and the interfaces among them;
- Specific functional capabilities provided by the system;
- Performance and design specifications;
- Design constraints, applicable standards, and compatibility requirements;
- Personnel, equipment, and facility requirements for system operation, maintenance, and logistical support;
- Vendor practices for assuring system quality during the system's development and subsequent maintenance; and
- Vendor practices for managing the configuration of the system during development and for modifications to the system throughout its life cycle.

At minimum, the TDP shall contain but not limited to the following required documentation. Check-off each document for confirmation of submission.

☑ **System overview**: Provide information that identifies the functional and physical components of the system, how the components are structured, and the interfaces between them.

☑ **System functionality description**: Provide the scope of the system's functional capabilities that will assist in establishing the performance, design, test, manufacture, and acceptance context for the system.

☑ **System hardware specifications**: Provide detailed specifications of all hardware components required of the system.

☑ **Software design and specifications**: Provide detailed specifications of all software components (non-COTS and COTS) required of the system. Provide documentation describing the logical design of the software. This documentation shall clearly indicate the various modules of the software, their functions, and their interrelationships with each other. This shall include the data format(s) for which the system can import and export. Provide detailed specifications of all included non-COTS software, firmware, and hardwired logic. In addition, provide precise identification of all included COTS software, firmware, and hardwired logic. This may include an overview, standards and conventions, the operating environment, functional and programming specifications, system databases, interfaces, etc.

☑ **System test and verification specifications**: Provide plans, procedures, and data used during software development and system integration to verify system logic correctness, data quality, and security. The vendor shall also provide specifications for verification and validation of overall software performance.

☑ **System security specifications**: Provide detailed descriptions of all system security specifications (design/interface specifications, security architecture, development environment specifications, security threat controls, security testing, vulnerability analysis documentation, etc.)

☑ **User/system operations procedures**: Provide all information necessary for system use by all personnel who support all election activities, as applicable, about all system functions and operations identified. This may include operational environment and features, system installation and test specification, operating procedures, documentation for poll workers, operations support, transportation and storage, etc.

☑ **System maintenance procedures**: Provide maintenance procedure information in enough detail to support election workers, information systems personnel, or maintenance personnel in the adjustment or removal and replacement of components or modules in the field.

☑ **Personnel deployment and training requirements**: Provide details on the personnel resources and training required for a jurisdiction to operate and maintain the system.
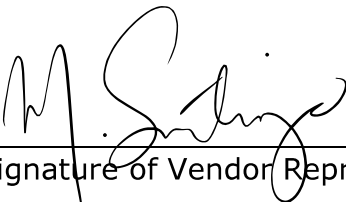
☑ **Configuration management plan**: Provide detail on the configuration management processes and procedures.

☑ **Quality assurance program**: Provide detail on the quality assurance program processes and procedures for its initial development and release and for subsequent modifications and releases.

☑ **Systems change notes**: If a revision of a previous system, supply detailed specifications of the changes. (see Appendix 8 below for minimum content required).

14 – Attestation and Signature

Vendor representative signing the application certifies that the information contained in the application is true and accurate. The vendor representative must be a person legally authorized to sign and submit the application on behalf of the vendor organization.

"I hereby certify that the information submitted on this form, as well as all attachments, attestations and submitted documentation is true, accurate and complete. I further certify that all hardware and software changes from previously certified, approved or authorized versions of system components have been clearly identified in the submitted detailed change notes. I certify that I am legally authorized to sign and submit this application on behalf of the vendor organization."

February
_____
Date

_____
Signature of Vendor Representative

Lena Santiago
_____
Print Name

Team Lead
_____
Title

Tenex Software Solutions, Inc.
_____
Company Name

Appendix 2 - Electronic Poll Book System Vendor Attestation

Appendix 6: ePoll Book Attestation

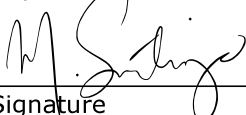*Vendor shall submit attestation:*

I hereby attest to the following:

That the submitted EPBS complies with all applicable requirements and standards adopted by the state board and is suitable for use by County Board of Elections.

That the submitted EPBS software does not contain any code, procedures or other material (including but not limited to 'viruses', 'worms', 'time bombs', and 'drop-dead' devices that may cause the EPBS to cease functioning at a future time), which may disable, damage, disarm or otherwise affect the proper operation of the EPBS, any hardware, or any system or other property of state board or county board.

That the implementation of the requirements identified as 'YES' in the 'Attestation Column' of the 'ePoll Book Requirements Update Attestation' spreadsheet remain unchanged from all other configurations already evaluated and approved.

Vendor consents to vulnerability and penetration testing on their electronic poll book system as allowed by Public Law 105-304 - Digital Millennium Copyright Act, §1201(j) Security Testing.

All update submissions are subject to New York's Freedom of Information Law. It is the policy of the New York State Board of Elections, in relation to changes for approval of EPBS, that the State Board shall make available to the public all non-proprietary documentation submitted by the Vendor. The Vendor must designate those portions of the proposal that contain trade secrets or other proprietary data that must remain confidential. Blanket statements that either attempt to cover all information in a document, or which allows for a reactive assertion of exemption by the Vendor upon a future request for disclosure, will not be accepted.

_____	February 1, 2024
Signature	_____
	Date
Lena Santiago	
Print Name	
Tenex Software Solutions, Inc.	
Company Name	
5021 W. Laurel Street	
Address	

Tampa	FL	33607
City	State	Zip

Appendix 3 - ePoll Book Requirements Update Attestation Spreadsheet

Term	Definition
Electronic poll book system (EPBS)	Includes all software (e.g. operating systems, vendor applications, etc.) and connected hardware (e.g. electronic poll books, laptops, and peripherals including scanners, printers, signature pads, routers, servers, removable media devices, chargers, batteries, etc.) configured to support the creation of Computer Generated Registration List of voters for use during elections.
Electronic poll book system - Poll Site (EPBS-PS)	The parts of the electronic poll book system to be used at the poll site (EPBS-PS).

Req #	Electronic Poll Book System Functional Requirements	Status	Category	NYS Reference	Attestation	**Vendor Attestation Response 'NO'** Provide a description of how you have met the requirement in the proposed update/change. For documentation, provide the Name and Location (Section and Page Number) where requirement is met.
F-1	The parts of the electronic poll book system to be used at the poll site (EPBS-PS) shall have the capability to be labelled, locked and sealed in carrying cases with tamper-evident security seals when transported to and from the county board of elections.	Mandatory	Security	§4-134(2)	Yes	
F-2	The EPBS-PS shall have the capability to be labelled, locked and sealed in carrying cases with tamper-evident security seals when not in use at the poll site.	Mandatory	Security	§4-134(2)	Yes	
F-3	The EPBS-PS shall support a dual authentication feature where the coordinated action of (2) election inspectors who are not members of the same political party is required to enable use of the electronic poll books when poll sites open.	Mandatory	Security	§8-202	Yes	
F-4	The EPBS-PS shall display the date of the election being conducted on each screen.	Mandatory	Functional	§6212.9	Yes	
F-5	The EPBS-PS shall be capable of utilizing an "appropriate marking device" to capture the signature as signed by the registered voter.	Mandatory	Functional	§4-128(1), §4-132(c)	Yes	
F-6	The EPBS-PS shall conceal the voter's facsimile signature until after the voter has completed signing their signature, at which point both signatures will be displayed for inspector comparison.	Mandatory	Functional	§8-304(3)	Yes	
F-7	The EPBS-PS shall have the ability to display an electronic list of voters in alphabetical order for a: - single election district or - poll site.	Mandatory	Functional	§1-104(38)	Yes	
F-8	The EPBS electronic list of voters shall be generated from a computer registration file for each election.	Mandatory	Functional	§1-104(38)	Yes	
F-9	When used at a primary election, the EPBS-PS shall have the ability to display the names of the voters enrolled in a particular political party.	Mandatory	Functional	§5-506(3)(c)	Yes	
F-10	The EPBS shall display, for each voter record, at least the following: - County Voter ID - Name - Street Address - Town, City or Ward - Election District - Assembly District, where appropriate - Date of Birth - Date of Registration (Month/Day/Year) - Party enrollment - Facsimile of the voter's signature or an indication that the voter is unable to sign his/her name - A notation indicating if the voter's identity was not yet verified as required by the federal Help America Vote Act.	Mandatory	Functional	§5-506(3)(c), 6212.9(b), 8-306(3), §8-304(1), §8-302(2)(a)	Yes	

F-11	The EPBS-PS shall include for each voter listed the following: - Place where a voter can sign his/her name or where it can be indicated by the inspectors that a voter is unable to sign his/her name - For voters requiring assistance, a place to enter the name of each officer or person rendering such assistance - Place for inspectors to record the number appearing on the stub of any election day paper ballot given to the voter, or other information to allow for ballot reconciliation - Place for inspectors to sign their names or initials after satisfaction of signature comparison and by comparison of his/her appearance with the descriptive material in the poll record	Mandatory	Functional	§5-506(3)(c), 6212.9(b), 8-306(3), §8-304(1), §8-302(2)(a)	Yes	
F-12	For voters requiring assistance, the EPBS-PS should display the assistance oath.	Optional	Functional	§8-306(5)	Yes	
F-13	For the canvass of absentee, military or special ballots, or ballots cast by voters with registration poll records missing, or for voters that have not had their identity previously verified or who have moved after registering, the EPBS shall provide an ability for the inspectors to place their initials in a space provided if the person is found to be registered	Optional	Functional	§9-209(2)(a)(i)(C)	Yes	
F-14	For voters described in F-13, the EPBS shall provide an ability for the inspectors to record information including but not limited to the following items: - absentee vote, - military vote, - year of election,	Optional	Functional	§9-209(2)(a)(i)(D)	Yes	
F-15	The EPBS-PS shall enable a poll worker to search for a voter's record. Search criteria must include either a complete or partial match to one or more of the following: - Last Name - First Name - Date of Birth	Mandatory	Functional	§8-302	Yes	
F-16	For primary elections, the search criteria should include all items from F-15 as well as Party Enrollment.	Optional	Functional	§8-302	Yes	
F-17	The EPBS-PS shall have the ability to display the names of special federal voters separate and apart from other voters contained in the list.	Mandatory	Functional	§11-206	Yes	
F-18	The EPBS-PS may provide a street finder or other tool that would enable election inspectors and/or poll site coordinators to determine the correct election district and polling place for a voter who is in an	Optional	Functional	§8-302	Yes	
F-19	The EPBS shall indicate whether a voter has already cast a ballot.	Mandatory	Functional		Yes	
F-20	In addition to alphabetical order, the EPBS-PS should be configurable to	Optional	Functional		Yes	
F-21	The vendor shall describe how their EPBS shall be configurable to allow	Mandatory	Functional		Yes	
F-22	The EPBS shall provide the ability for county board of elections staff to	Mandatory	Functional		Yes	
F-23	The EPBS shall be configurable to allow for the exporting of election data	Mandatory	Functional		Yes	
F-24	The EPBS shall be capable of exporting voter history in a format that can	Mandatory	Functional		Yes	
F-25	The vendor shall describe the process by which maintenance and	Mandatory	Functional		Yes	
F-26	The EPBS shall have the ability to export any voter signature captured by	Mandatory	Functional		Yes	
F-27	The EPBS must guarantee that a voter can be checked in at most once	Mandatory	Functional		Yes	
F-28	The EPBS shall identify voters that have been checked in at two or more	Mandatory	Functional		Yes	
F-29	In the event of a temporary interruption of connectivity within an EPBS,	Mandatory	Functional		Yes	
F-30	In the event of a temporary interruption of connectivity within an EPBS,	Mandatory	Functional		Yes	
F-31	In the event of a temporary interruption of connectivity within an EPBS,	Mandatory	Functional		Yes	
F-32	The vendor shall describe the process by which they will develop and	Mandatory	Training		Yes	
F-33	The vendor shall provide help-desk support to each County Board of	Mandatory	Technical		Yes	

F-34	The vendor shall provide enhanced help desk services to support CBOE	Mandatory	Technical		Yes
F-35	The EPBS shall have the ability to generate reports based on any defined	Mandatory	Reporting		Yes
F-36	Vendor shall provide a list of data fields which the EPBS is capable of	Mandatory	Reporting		Yes
F-37	The EPBS should allow authorized users the capability to create, modify	Optional	Reporting		Yes
F-38	The EPBS shall generate reports in a well established, non-proprietary	Mandatory	Reporting		Yes
F-39	The EPBS should allow authorized users to select from a list of available	Optional	Reporting		Yes
F-40	The EPBS shall allow authorized users to view reports before saving or	Mandatory	Reporting		Yes
F-41	The EPBS should allow including the name of the report, the date	Optional	Reporting		Yes
F-42	The vendor shall describe the required electrical supply specifications for	Mandatory	Power/Battery		Yes
F-43	The vendor shall describe the EPBS-PS battery specification including but	Mandatory	Power/Battery		Yes
F-44	The vendor shall describe how to:	Mandatory	Power/Battery		Yes
F-45	The vendor shall describe how the EPBS-PS retains its data when power	Mandatory	Power/Battery		Yes
F-46	In the event of a temporary loss of power, the EPBS-PS must permit a	Mandatory	Power/Battery		Yes
F-47	The EPBS-PS shall be configured in such a way that the operator is	Mandatory	Power/Battery		Yes
F-48	The EPBS-PS shall be capable of automatically switching to a backup	Mandatory	Power/Battery		Yes
F-49	The EPBS shall concurrently support all connected devices from all poll	Mandatory	Non-Functional		Yes
F-50	The vendor shall attest that they will have the ability to deliver the	Mandatory	Non-Functional		Yes
F-51	As of the date of the vendor's application for approval of the EPBS by the	Mandatory	Non-Functional		Yes
F-52	The vendor must provide a list of customers who are using, or have	Mandatory	Non-Functional		Yes
F-53	The vendor must provide a description of any known anomalies in the	Mandatory	Non-Functional		Yes
F-54	The vendor shall provide instructions and materials sufficient for the	Mandatory	Non-Functional		Yes
F-55	The EPBS shall provide means for the integration of an additional EPBS-	Mandatory	Technical		Yes
F-56	The EPBS shall provide means for the exclusion of an existing EPBS-PS	Mandatory	Technical		Yes
F-57	Each EPBS-PS within an EPBS configuration must have a unique	Mandatory	Technical		Yes
F-58	The EPBS must be designed to tolerate any single point of failure	Mandatory	Technical		Yes
F-59	The EPBS-PS shall have the capability to display a prompt or warning if	Mandatory	Functional		Yes
F-60	An EPBS-PS must provide a user interface through which authorized	Mandatory	User Interface		Yes
F-61	The EPBS-PS should provide election inspectors with access to on-screen	Optional	User Interface		Yes
F-62	The EPBS must provide a user interface through which authorized users	Mandatory	User Interface		Yes
F-63	The EPBS must provide a user interface through which authorized users	Mandatory	User Interface		Yes
F-64	The EPBS-PS may include a bar code reader.	Optional	Barcode		Yes
F-65	The EPBS-PS should display a voter's record based on the processing of	Optional	Barcode		Yes
F-66	The vendor shall describe how their EPBS supports existing Section 203	Mandatory	Functional		Yes
F-67	The vendor shall describe how their EPBS provides accessibility	Mandatory	Functional		Yes
F-68	The EPBS should be capable of importing ballot schema that will enable	Optional	Functional		Yes
F-69	Vendor shall provide the results and supporting documentation related	Mandatory	Functional		Yes

Req #	Electronic Poll Book System Functional Requirements	Status	Category	NYS Reference	Attestation	**Vendor Attestation Response 'NO'** Provide a description of how you have met the requirement in the proposed update/change. For documentation, provide the Name and Location (Section and Page Number) where requirement is met.
CR-1	County Board of Elections are required to complete a challenge report based on the criteria set forth in New York State Election Law §8–508. Challenge report; preparation. The vendor shall describe if and how their solution implements the requirements for each section of the challenge report. If the vendor's solution does not meet the challenge report requirements, the vendor shall document 'solution does not implement this functionality' in their response. Please see attached appendices required to complete the	Mandatory	Functional	§8–508	Yes	
CR-2	Section One – change of name or address The EPBS-PS may provide inspectors of election the ability to enter the name, address and registration serial number of each person who claims a change in name, or a change of address within the election district, together with the new name or address of each such person. The EPBS-PS may provide a place in the voter's record for the inspectors to record the information required to be entered in such 'section one' or provide a	Optional	Functional	§8–508	Yes	
CR-3	Section Two – voters challenged The EPBS-PS may provide inspectors the ability to enter the name, address and county voter ID of each person who is challenged on the day of election, together with the reason for the challenge. The EPBS-PS may provide a place in the voter's record for the inspectors to record the information required to be entered in such 'section two' or provide a separate section for the inspectors to enter such information in the EPBS-PS. If no voters are challenged, the EPBS-PS shall provide inspectors the	Optional	Functional	§8–508	Yes	
CR-4	Section Three – voters requiring assistance and who assisted The EPBS-PS may provide inspectors the ability to enter the name, address and county voter ID of each voter given assistance, together with the reason the voter was allowed assistance, the name of the person giving such assistance and his address if not an inspector. The EPBS-PS may provide a place next to the voter's name for the inspectors to record the information required to be entered in such 'section three' or provide a place for the inspectors to enter such information in the EPBS-PS. If no voters are given assistance, the EPBS-PS shall provide inspectors the	Optional	Functional	§8–508	Yes	
CR-5	Section Four – voters pursuant to court order or affidavit The EPBS-PS may provide inspectors the ability to enter the name, address and county voter ID of each person who was permitted to vote pursuant to a court order, or to vote on a paper ballot which was inserted in an affidavit envelope. The EPBS-PS may provide a place in the voter's record for the inspectors to record the information required to be entered in such 'section four' or provide a place for the inspectors to enter such information in the EPBS-PS. If there are no such names, the EPBS-PS shall provide inspectors the ability to enter the word ''None'' in	Optional	Functional	§8–508	Yes	

CR-6	The EPBS-PS may be capable of printing a challenge report which contains the names of: - All persons who were reported a name or address change (section 1); - All persons who were challenged on the day of election, and that each voter so reported as having been challenged took the oaths as required (section 2), - All voters to whom such board gave or allowed assistance and lists the nature of the disability which required such assistance to be given and the names and family relationship, if any, to the voter of the persons by whom such assistance was rendered; that each such assisted voter informed such board under oath that he required such assistance and	Optional	Functional	§8–508	Yes	
CR-7	The EPBS-PS may be capable of printing a certification at the end of the challenge report stating that the entries made are a true and accurate record of its proceedings with respect to the persons named in such	Optional	Functional	§8–508	Yes	
CR-8	The EPBS-PS may be capable of printing additional information on the challenge report including but not limited to: - City / town - Ward - Election District - Assembly district - Oath - Space for signatures of the board of inspectors of election	Optional	Functional	§8–508	Yes	

Req #	Electronic Poll Book System Security Requirements	Status	Category	Is control implemented at poll endpoint device, network, or backend system or all of the above	Attestation	Vendor Attestation Response 'NO' Provide a description of how you have met the requirement in the proposed update/change. For documentation, provide the Name and Location (Section and Page Number) where requirement is met.
S-1	Vendor shall provide a system overview and functional diagram of the entire EPBS and how each component integrates into it. The description shall include how the entire system is administered	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-2	Vendor shall provide a system architecture diagram for their proposed solution that includes a description of how the solution is architected addressing on-prem and cloud or hosted or any hybrid combination thereof. If customer systems are needed to host software, information	Mandatory	Documentation	Vendor	Yes	
S-3	Vendor shall provide software system design documentation describing the logical design of the software. This documentation shall clearly indicate the various modules of the software, their functions, and their interrelationships with each other. This shall include the data format(s)	Mandatory	Documentation	Vendor	Yes	
S-4	Vendor should provide, for any cloud hosted components, proof that those components have achieved a FedRAMP compliance and are hosted by a FedRAMP authorized cloud service provider. Vendor should provide proof of FedRAMP compliance as well as documentation	Optional	Documentation	Vendor	Yes	
S-5	All EPBS data shall remain in the Continental United States (CONUS). Any EPBS data stored, or acted upon, must be located solely in data centers in CONUS. Services which directly or indirectly access EPBS data shall only be performed from locations within CONUS. Vendor shall	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-6	All EPBS data in transit shall remain in CONUS and be encrypted in accordance with requirement #S-55 below. Vendor shall provide proof of compliance	Mandatory	Encryption	Entire ePoll Book System	Yes	
S-7	Vendor shall provide, for any non-cloud hosted components, evidence of any third party validation of security controls or assessments that have been completed	Mandatory	Documentation	Vendor	Yes	
S-8	Vendor shall develop, document and maintain the baseline configuration of the EPBS hardware and software components. The vendor documentation shall describe all maintenance activities that are necessary to ensure the EPBS remains in the desired configuration and functioning in a secure manner. This baseline configuration and maintenance procedures document shall be provided and shall clearly	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-9	Vendor shall provide documentation on how the poll book solution and its related components have been hardened to any applicable Center for Internet Security (CIS) benchmarks, or to other standards (e.g., DoD DISA STIGs). Name all standards used and to which component they	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-10	The EPBS shall support the use of multi-factor authentication for all privileged and administrator access other than at the poll site	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-11	The EPBS shall incorporate protections to prevent fraudulent manipulation of the voter check-in process. Vendor shall describe both the preventative and detective controls within the system	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-12	The EPBS shall employ the principle of least privilege for each permitted role within the system, allowing only authorized accesses for users (or processes acting on behalf of users) that are necessary to accomplish assigned tasks such as poll worker and voter roles as well as	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-13	The EPBS shall require the coordinated action of (2) election inspectors who are not members of the same political party to enable use of the electronic poll books for poll site operation	Mandatory	Access Control	ePoll Book/Poll Site	Yes	

S-14	Vendor shall describe what configuration item changes can be made by authorized individuals through system defined Administration role(s).	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-15	Vendor shall describe the capabilities of the EPBS related to automated timeout of inactive sessions (e.g. poll devices, remote admin connections, account login sessions, etc.)	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-16	The EPBS shall prevent unauthorized or unrecognized electronic poll book device communication with known and trusted components, including poll book backend servers, peer poll book devices and/or	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-17	The EPBS shall not require a direct connection to any other election system or election system component (i.e. voter registration system, voting machines, etc.)	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-18	The EPBS shall support: a. The ability to define groups and role-based access b. The ability to create, enable, modify, disable, and archive EPBS accounts	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-19	The EPBS shall: a. Enforce a configurable limit of consecutive invalid login attempts by a user b. Automatically disable or lock an account until released by an	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-20	The EPBS shall:	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-21	The EPBS shall:	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-22	The EPBS shall support the use of unique user IDs.	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-23	The EPBS shall support industry best practices regarding passwords (e.g.	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-24	The EPBS shall support mutual device authentication.	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-25	Vendor shall describe how the EPBS components can be tracked,	Mandatory	Access Control	Entire ePoll Book System	Yes	
S-26	The EPBS shall be capable of providing comprehensive audit logs that	Mandatory	Audit	Entire ePoll Book System	Yes	
S-27	Vendor shall provide a listing and description of what messages and	Mandatory	Audit	Entire ePoll Book System	Yes	
S-28	The EPBS shall support capturing, at a minimum, date and time-	Mandatory	Audit	Entire ePoll Book System	Yes	
S-29	The EPBS shall support the generation of alerts to responsible staff (by	Mandatory	Audit	Entire ePoll Book System	Yes	
S-30	The EPBS shall manage and allocate audit record storage capacity and	Mandatory	Audit	Entire ePoll Book System	Yes	
S-31	The EPBS shall provide the capability to review and analyze EPBS audit	Mandatory	Audit	Entire ePoll Book System	Yes	
S-32	The EPBS shall:	Mandatory	Audit	Entire ePoll Book System	Yes	
S-33	The EPBS shall protect audit information and audit tools from	Mandatory	Audit	Entire ePoll Book System	Yes	
S-34	The EPBS shall:	Mandatory	Backup &	Backend System	Yes	
S-35	The EPBS shall support a hot-swappable feature to be configured in	Mandatory	Backup &	Entire ePoll Book System	Yes	
S-36	The EPBS shall be able to recover from the following events: a non-	Mandatory	Backup &	Entire ePoll Book System	Yes	
S-37	The EPBS shall:	Mandatory	Contingency	Entire ePoll Book System	Yes	
S-38	Vendor shall provide documentation on how their Software	Mandatory	Documentation	Vendor	Yes	
S-39	Vendor shall describe how it employs best practices and methodologies	Mandatory	Documentation	Vendor	Yes	
S-40	Vendor shall describe what capabilities the EPBS has to detect, alert and	Mandatory	Documentation	Vendor	Yes	
S-41	Vendor shall provide documentation and testing results showing that	Mandatory	Documentation	Vendor	Yes	
S-42	Vendor shall provide all the documentation necessary for the	Mandatory	Documentation	Vendor	Yes	
S-43	Vendor shall provide documentation from other election jurisdictions	Mandatory	Documentation	Vendor	Yes	
S-44	Vendor documentation shall include recommendations for protecting	Mandatory	Documentation	Vendor	Yes	
S-45	Vendor shall provide detailed information concerning all consumables	Mandatory	Documentation	Vendor	Yes	
S-46	Vendor shall describe encryption and other security measures in place	Mandatory	Documentation	Vendor	Yes	
S-47	Vendor shall describe recommended or included, internet intrusion	Mandatory	Documentation	Network	Yes	
S-48	Vendor shall provide documentation on a system's non-functional	Mandatory	Documentation	Entire ePoll Book System	Yes	
S-49	Vendor shall describe the security controls used in the development of	Mandatory	Documentation	Vendor	Yes	
S-50	Vendor shall provide "User Guide" documentation for each user role	Mandatory	Documentation	ePoll Book/Poll Site	Yes	
S-51	Vendor shall describe all recommended controls, processes and	Optional	Documentation	Vendor	Yes	
S-52	Vendor shall describe, when cryptography is required and used within	Mandatory	Encryption	Entire ePoll Book System	Yes	

S-53	Vendor shall describe, when cryptographic mechanisms are used, the	Mandatory	Encryption	Entire ePoll Book System	Yes	
S-54	The EPBS shall support non-repudiation and protection against an	Mandatory	Encryption	Vendor	Yes	
S-55	The EPBS shall encrypt all data at rest and in transit utilizing FIPS 140-2	Mandatory	Encryption	Entire ePoll Book System	Yes	
S-56	The EPBS shall utilize cryptographic hashing and storage for all system	Mandatory	Encryption	Vendor	Yes	
S-57	Vendor shall describe how it protects and controls digital (e.g., CD, DVD,	Mandatory	Evaluation	Entire ePoll Book System	Yes	
S-58	Vendor shall provide the results and supporting documentation related	Mandatory	Evaluation	Vendor	Yes	
S-59	The EPBS shall uniquely identify and authenticate defined types of	Mandatory	Identification &	Entire ePoll Book System	Yes	
S-60	Vendor shall describe, for hosted solution offerings, how their incident	Mandatory	Incident	Vendor	Yes	
S-61	Vendor shall describe how any file to be used within the EPBS, (e.g., for	Mandatory	Integrity	Vendor	Yes	
S-62	The EPBS shall be protected against malware. The vendor shall provide	Mandatory	Integrity	Vendor	Yes	
S-63	Vendor shall describe how they:	Mandatory	Integrity	Vendor	Yes	
S-64	Vendor shall describe how remote system administration, software	Mandatory	Integrity	Entire ePoll Book System	Yes	
S-65	Vendor shall describe how their EPBS solution verifies the integrity of	Mandatory	Integrity	Vendor	Yes	
S-66	Vendor shall describe how EPBS-PS are synchronized/networked with	Mandatory	Network	ePoll Book/Poll Site	Yes	
S-67	Vendor shall describe how all voter activity shall be securely captured	Mandatory	Network	Entire ePoll Book System	Yes	
S-68	Vendor shall describe, if an electronic poll book device be enabled or	Mandatory	Network	Network	Yes	
S-69	The EPBS shall enable WPA3 for all wireless connections, if available. If	Mandatory	Network	Network	Yes	
S-70	Vendor shall provide a detailed list of system error messages one might	Mandatory	Operational	ePoll Book/Poll Site	Yes	
S-71	Vendor shall describe how the EPBS protects against unauthorized use.	Mandatory	Physical	Vendor	Yes	
S-72	Vendor shall describe what options are available to protect the EPBS-PS	Mandatory	Physical	ePoll Book/Poll Site	Yes	
S-73	Vendor shall describe for EPBS-PS, what security risks are mitigated	Mandatory	Physical	ePoll Book/Poll Site	Yes	
S-74	Vendor shall describe how redundancy is built into the EPBS to	Mandatory	Server	Entire ePoll Book System	Yes	
S-75	Vendor shall document how the EPBS protects the integrity and	Mandatory	System and	Vendor	Yes	
S-76	Vendor shall describe how, if utilized, public key certificates are issued	Mandatory	System and	Network	Yes	
S-77	Vendor shall describe how the EPBS fails to a known secure state for all	Mandatory	System and	Entire ePoll Book System	Yes	
S-78	Vendor shall produce security patches within the service-level	Mandatory	Network	Entire ePoll Book System	Yes	
S-79	Vendor shall describe how software and devices meet the least	Mandatory	Network	Network	Yes	

Appendix 4 - Technical Data Package Review

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
1	System Configuration Overview	VVSG Vol 2: 2.2	System Overview	In the system overview, the vendor shall provide information that enables identification the functional and physical components of the system, how the components are structured, and the interfaces between them. The vendor shall include system description and details of the system performance.	Yes	*Admin Operating Manual.pdf* *State of New York Poll Worker Guide.pdf* *Configuration Mangement Plan.pdf* *Technical Data Package.pdf*
2	System functionality description	VVSG Vol 2: 2.3	System Description	The vendor shall declare the scope of the system's functional capabilities, thereby establishing the performance, design, test, manufacture, and acceptance context for the system. The vendor shall provide a listing of the system's functional processing capabilities, encompassing capabilities required by the Guidelines and any additional capabilities provided by the system. This listing shall provide a simple description of each capability. Detailed specifications shall be provided in other documentation required for the TDP.	Yes	*Hardware Specifications.pdf* *State of New York Poll Worker Guide.pdf* *Technical Data Package.pdf*
3	System hardware specifications	VVSG Vol 2: 2.4	System Hardware Specification	The vendor shall expand on the system overview by providing detailed specifications of the hardware components of the system, including specifications of hardware used to support the telecommunications capabilities of the system, if applicable.	Yes	*Hardware Specifications.pdf* *Compatible Peripherals.pdf* *Configuration Mangement Plan.pdf* *Technical Data Package.pdf* *Support and Maintenance.pdf*
4	System hardware specifications	VVSG Vol 2: 2.4.2	Design and Construction	The vendor shall provide sufficient data, or references to data, to identify unequivocally the details of the system configuration submitted for testing. The vendor shall provide a list of materials and components used in the system and a description of their assembly into major system components and the system as a whole.	Yes	*Compatible Peripherals.pdf* *Consumables.pdf* *Hardware Specifications.pdf* *Technical Data Package.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided

5	System hardware specifications	VVSG Vol 2: 2.4.1	System Hardware Characteristics	The vendor shall provide a detailed discussion of the characteristics of the system including:
				   -Performance characteristics: basic system performance attributes and operational scenarios that describe the manner in which system functions are invoked, describe environmental
				capabilities, describe life expectancy, and describe any other essential aspects of system performance.
				   -Physical characteristics: This discussion addresses suitability for intended use, requirements for transportation and storage,
				health and safety criteria, security criteria, and vulnerability to adverse environmental factors.
				   -Reliability: This discussion addresses system and component reliability stated in terms of the system's operating functions, and identification of items that require special handling or operation to sustain system reliability.
				   -Maintainability: Maintainability represents the ease with which maintenance actions can be performed based on the design characteristics of equipment and software and the processes the vendor and election officials have in place for preventing failures and for reacting to failures. Maintainability includes the ability of equipment and software to self-diagnose problems and make non-technical election workers aware of a problem.
				  Maintainability also addresses a range of scheduled and unscheduled events.
				   -Environmental conditions: This discussion addresses the ability of the system to withstand natural environments, and operational constraints in normal and test environments, including all requirements and restrictions regarding electrical service, telecommunications services, environmental protection, any additional facilities or resources required to install and operate the system.
					Yes	*Hardware Specifications.pdf*
						Technical Data Package.pdf
						Compatible Peripherals.pdf
						Configuration Mangement Plan.pdf
						Support and Maintenance.pdf

6	Software design and specifications	VVSG Vol 2: 2.5	Software Design and Specification	The vendor shall expand on the system overview by providing detailed specifications of the software components of the system, including software used to support the telecommunications capabilities of the system, if applicable. This includes software overview, software standards and conventions, software operating environment, hardware environment and constraints, software environment, software functional specifications, configurations and operating modes, software functions, programming specifications with overview and details, system database, interfaces, and interface identification and description.	Yes	*Software System Design.pdf* *Admin Operating Manual.pdf* *Technical Data Package.pdf*
7	System security specifications	VVSG Vol 2: 2.6	System Security Specification	Vendors shall submit a system security specification that addresses the level of security provided by the system in terms of the specific security risks addressed by the system, the means by which each risk is addressed, the process used to test and verify the effective operation of security capabilities and, for systems that use public telecommunications networks the means used to keep the security capabilities of the system current to respond to the evolving threats against these systems.	Yes	*RecommendedSecurityPractices.pdf* *Technical Data Package.pdf,* *Apple Platform Security-February 2021,* *Admin Operating Manual.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
8	System security specifications	VVSG Vol 2: 2.6.1	Access Control Policy	The vendor shall specify the features and capabilities of the access control policy recommended to purchasing jurisdictions to provide effective EPBS security. The access control policy shall address the general features and capabilities and individual access privileges.	Yes	*RecommendedSecurityPractices.pdf* *Technical Data Package.pdf,* *Admin Operating Manualpdf*
9	System security specifications	VVSG Vol 2: 2.6.2	Access Control Measures	The vendor shall provide a detailed description of all system access control measures and mandatory procedures designed to permit access to system states in accordance with the access policy, and to prevent all other types of access. The vendor also shall define and provide a detailed description of the methods used to preclude unauthorized access to the access control capabilities of the system itself.	Yes	*RecommendedSecurityPractices.pdf* *Technical Data Package.pdf,* *Admin Operating Manual,*
10	System security specifications	VVSG Vol 2: 2.6.3	Equipment and Data Security	The vendor shall provide a detailed description of system capabilities and mandatory procedures for purchasing jurisdictions to prevent disruption of the voting process and corruption of voting data. This information shall address measures for polling place security.	Yes	*RecommendedSecurityPractices.pdf* *Technical Data Package.pdf,* *Admin Operating Manual,*
11	System security specifications	VVSG Vol 2: 2.6.4	Software Installation	The vendor shall provide a detailed description of the system capabilities and mandatory procedures for purchasing jurisdictions to ensure secure software (including firmware) installation to meet the specific requirements. This information shall address software installation for all system components.	Yes	*Software System Design.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf* *Devices are delivered pre-installed*
12	System security specifications	VVSG Vol 2: 2.6.5	Telecommunications and Data Transmission Security	The vendor shall provide a detailed description of the system capabilities and mandatory procedures for purchasing jurisdictions to ensure secure data transmission. For all systems, this information shall address access control, and prevention of data interception.	Yes	*RecommendedSecurityPractices.pdf* *Admin Operating Manual.pdf*
13	System test and verification specifications	VVSG Vol 2: 2.7	System Test and Verification Specification	The vendor shall provide test and verification specifications for development test specifications. The vendor shall describe the plans, procedures, and data used during software development and system integration to verify system logic correctness, data quality, and security.	Yes	*Intenal and External Testing.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
14	User/system operations procedures	VVSG Vol 2: 2.8	System Operations Procedures	This documentation shall provide all information necessary for system use by all personnel who support pre-election and election preparation, polling place activities and central counting activities, as applicable, with regard to all system functions and operations identified in Subsection 2.3 above. The nature of the instructions for operating personnel will depend upon the overall system design and required skill level of system operations support personnel. The system operations procedures shall contain all information that is required for the preparation of detailed system operating procedures, and for operator training. This includes details describing the operational environment, system installation and test specification, operational features, operating procedures, and operations support.	Yes	*Admin Operating Manual.pdf* *Personnel Deployment and Training.pdf* *State of New York Poll Worker Guide.pdf* *Technical Data Package.pdf,* *Admin Operating Manual.pdf*
15	System maintenance procedures	VVSG Vol 2: 2.9	System Maintenance Manual	The system maintenance procedures shall provide information in sufficient detail to support election workers, information systems personnel, or maintenance personnel in the adjustment or removal and replacement of components or modules in the field. Technical documentation needed solely to support the repair of defective components or modules ordinarily done by the manufacturer or software developer is not required. Recommended service actions to correct malfunctions or problems shall be discussed, along with personnel and expertise required to repair and maintain the system; and equipment, materials, and facilities needed for proper maintenance. This manual shall include maintenance procedures, preventative maintenance procedures, corrective maintenance procedures, identification of maintenance equipment as well as parts and materials, common standards, maintenance facilities and support.	Yes	*Support and Maintenance.pdf* *Storage and Warehouse Requirements.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*
16	Personnel deployment and training requirements	VVSG Vol 2: 2.10	Personnel Deployment and Training Requirements	The vendor shall specify the number of personnel and skill levels required to perform each of the following functions: Pre-election or election preparation functions (e.g., entering an election, generating pre-election reports. System operations for voting system functions performed at the polling place System operations for voting system functions performed at the central count facility Preventive maintenance tasks. Diagnosis of faulty hardware or software Corrective maintenance tasks. Testing to verify the correction of problems.	Yes	*Personnel Deployment and Training.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*

#	Application Requirements	VVSG Vol. 2 Mapping	Requirement Type (VVSG Category)	Guidance	Documentation Provided?	Documentation Provided
17	Configuration management plan	VVSG Vol 2: 2.11	Configuration Management Plan	Vendors shall submit a Configuration Management Plan that describes all policies, processes, and procedures employed by the vendor to carry out these requirements. Information submitted by the vendor shall be used by to assist in developing and executing the test plan. This information is particularly important to support the design of test plans for system modifications. A well-organized, robust and detailed Configuration Management Plan will enable testers to more readily determine the nature and scope of tests needed to fully test the modifications. The Configuration Management Plan shall contain Configuration Management Policy, Configuration Identification, Baseline and Promotion, Configuration Control Procedures, Release Process, Configuration Audits, and Configuration Management Resources.	Yes	*Configuration Mangement Plan.pdf* *Technical Data Package.pdf* *Admin Operating Manual.pdf*
18	Quality assurance program	VVSG Vol 2: 2.12	Quality Assurance Program	Vendors shall submit a Quality Assurance Program that addresses the quality assurance policies, processes, and procedures employed by the vendor to ensure the overall quality of the system for its initial development and release and for subsequent modifications and releases. This information is particularly important to support the design of test plans by the accredited test lab. A well-organized, robust and detailed Quality Assurance Program will more readily determine the nature and scope of tests needed to test the system appropriately. The Quality Assurance Program shall, at a minimum, address Quality Assurance Policy, Parts and Materials Tests, and Quality Conformance Inspections.	Yes	*Internal Quality Assurance Procedures.pdf* *Intenal and External Testing.pdf* *Technical Data Package.pdf*
19	System change notes	VVSG Vol 2: 2.13	System Change Notes	Vendors submitting modifications for a system that has been previously approved by NYSBOE shall submit system change notes. These will be used to assist in developing and executing the test plan for the modified system. The an example of the system change notes shall include the following information: Summary description of the nature and scope of the changes, reasons for each change, a listing of the specific changes made, citing the specific system configuration items changed, providing detailed references to the documentation sections changed, a detail of the specific sections of the documentation that are changed (or completely revised documents, if more suitable to address a large number of changes), documentation of the test plan and procedures executed by the vendor for testing the individual changes, and the system as a whole, and records of test results.	Yes	*TENEX - 6.0.2 Change Log*