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EAC VEPBCR 1.0 Certification Test Report
Tenex Software Solutions, Precinct Central Touchpad 6.1.3

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SIGNATURES

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SECTION I: INTRODUCTION

The purpose of this Test Report is to document the procedures followed and the results obtained during the examination effort on the Tenex (Tenex) Precinct Central Touchpad 6.1.3 (Precinct Central 6.1.3) E-Pollbook (ePB). The testing was performed by Pro V&V, Inc. (hereinafter referred to as 'Pro V&V') to the U.S. Election Assistance Commission Voluntary ePB Certification Requirements (VEPBCR), Version 1.0. During the examination, Precinct Central 6.1.3 was configured as for use during an election. Precinct Central 6.1.3 is considered a baseline version for this EAC testing.

This Test Report documents the procedures followed, the results obtained, and the conclusions reached from that examination.

SECTION I.1 Revision History

Revision	Description	Date
00	Initial Release	05/18/2026
01	Updated Release	06/05/2026
02	Block Diagram Removed	06/18/2026

SECTION I.2 References

The documents listed below were used as references in the development of the Test Report

- U.S. Election Assistance Commission, VEPBCR 1.0, April 08, 2024
- Pro V&V, Inc. Baseline Standard ePB Test Cases

SECTION I.3 Terms and Abbreviations

This subsection lists terms and abbreviations relevant to this examination:

"COTS" – Commercial Off-The-Shelf

"EAC" – United States Election Assistance Commission

"EPB" – Electronic Pollbook

"N/A" – Not Applicable

"NIST" – National Institute of Standards and Technology

"NVLAP" – National Voluntary Laboratory Accreditation Program

"RFI" – Request for Interpretation

"TDP" – Technical Data Package

"VSTL" – Voting System Test Laboratory

"VEPBCR" – Voluntary Electronic Poll Book Certification Requirements

SECTION II: SYSTEM IDENTIFICATION AND OVERVIEW

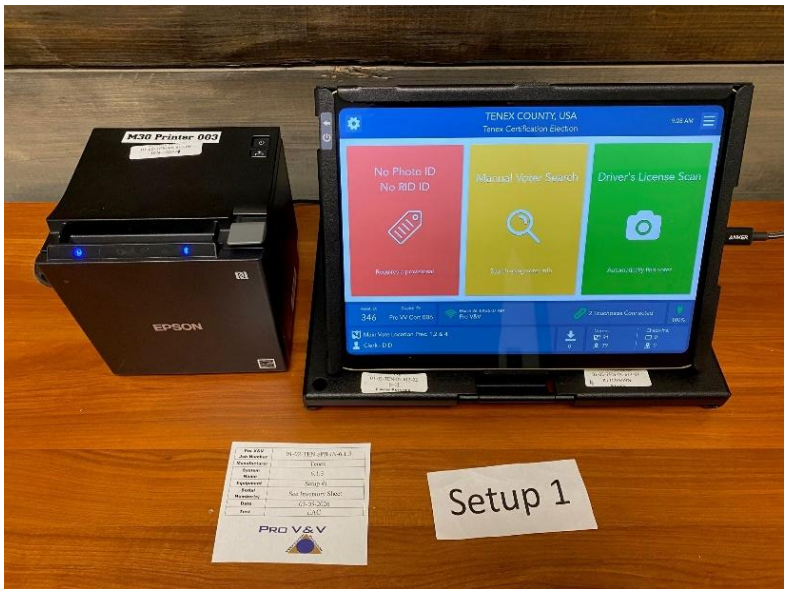
Precinct Central 6.1.3 is identified and an overview provided in the following subsections.

SECTION II.1 Description of Baseline System

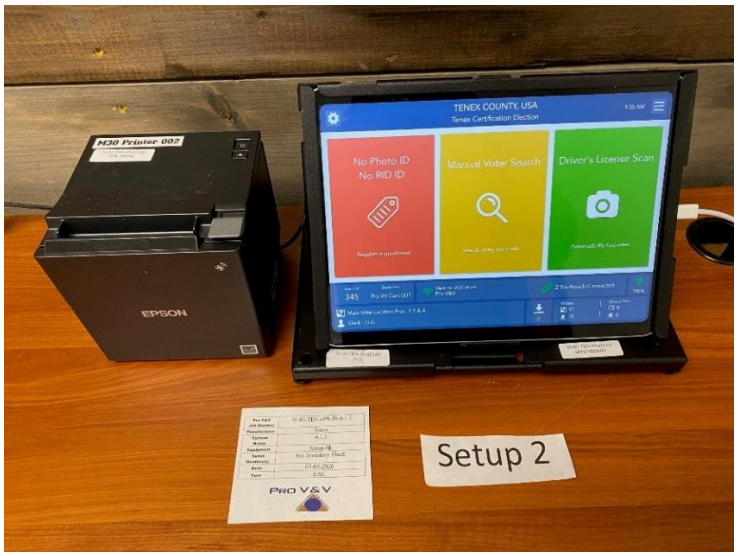
This section provides detailed descriptions of the submitted ePB solution, including the ePB used for required technical configuration testing, all items evaluated during testing (including proprietary and commercial off-the-shelf (COTS) software, hardware, and peripherals), and any support equipment or materials required to conduct the tests.

Tenex submitted the Precinct Central 6.1.3 ePB installed on an iPad Gen 11 for testing. This configuration was designated as the baseline system for evaluation against the EAC Voluntary ePB Certification Requirements, Version 1.0.

An additional Precinct Central 6.1.3 ePB installed on an iPad Gen 10 was configured to support ePB coordination testing.



Photograph 1: Precinct Central 6.1.3 - Testing Setup 1
iPad 11th GEN (KT77J2L659N), Stand ([S-1]), Epson Printer ([TEN-100741])



Photograph 2: Precinct Central 6.1.3 - Testing Setup 2
iPad 10th GEN (M797Y9DWVY), Stand ([S-2]), Epson Printer ([TEN-100728])

The software listed in Table 2-1 was used during this regression examination of the ePB. Table 2-1 provides the component name, software/firmware version and a SHA-256 Hash, if calculated, during the examination.

Table 2-1 Software

Component Name	COTS Operating System	Version	Unique Identifier (SHA-256 Hash Value)
Precinct Central	iOS 18.6.2	6.1.3	282c6683fe740ca7ad5406c6fb158268f77120252e97c8ecc485b770b53b6a60

Table 2-2 provides hardware component name, description, model number, and the serial number for the units that were examined during this regression examination.

Table 2-2 Hardware

Component Name	Model/Version Number	Operating System	Serial Number(s)	Description
Precinct Central 6.1.3	iPad 11th GEN	iOS 18.6.2	KT77J2L659N	COTS ePB Tablet
Precinct Central 6.1.3	iPad 10th GEN	iOS 18.6.2	M797Y9DWVY	COTS ePB Tablet

Table 2-3 provides information for the peripheral components used during the examination.

Table 2-3 Peripherals

Part Name	Model Number	Serial Number(s)	Description
Flip & Share Case/Stand	Tenex	[s-1], [s-2]	Tenex ePB Stand
Epson Printer	TM-M30	[TEN-100741], [TEN-100728]	COTS ePB Printer

The test materials listed in Table 2-4 were used during the examination.

Table 2-4 Test Support Equipment/Materials

Component Name	Quantity	Description
Printer Thermal Rolls	3	COTS ePB Receipts/Reports
Stylus	1	COTS Voter Interface
SuperShieldz Screen Protector	1	COTS Anti-glare Screen

The ePB tested were configured as they would be for normal field use. Tenex provided materials and support as needed to aid in the testing process.

SECTION II.2 System Block Diagram

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Figure II-1 Architecture Diagram Tenex Precinct Central 6.1.3

SECTION III: CERTIFICATION TEST BACKGROUND

Tenex submitted the Precinct Central 6.1.3 ePB, considered a baseline version for this testing, to the EAC Voluntary ePB Certification Requirements, Version 1.0.

All testing was conducted under the guidance of Pro V&V by personnel verified by Pro V&V to be qualified to perform the testing. The examination was performed at the Pro V&V, Inc. test facility located in Cummings Research Park, Huntsville, AL.

SECTION III.1 Implementation Statement

The system under test, Precinct Central version 6.1.3, is an ePB application intended for use at polling locations during elections. The system provides poll workers with access to stored voter information to facilitate voter check-in. In addition to voter lookup and check-in functionality, the system supports the collection and retention of voter information and voter signatures as part of the check-in process. The evaluated configuration reflects its intended use within a precinct-level polling environment.

SECTION III.2 Scope of Testing

The scope of testing for Precinct Central version 6.1.3 was focused on evaluating the system's ability to meet the requirements set forth in the EAC Voluntary ePB Certification Requirements Version 1.0.

For this program, the applicable requirements were mapped to defined test cases and organized into four subsets to facilitate structured evaluation: Functional Requirements (Section 1), Security Requirements (Section 2), Usability and Accessibility Requirements (Section 3), and Documentation Requirements (Technical Data Package review). Each subset was assigned to a tester with a corresponding area of focus to perform review and testing activities. The system under test was evaluated against each requirement to determine compliance and applicability. Standardized test cases were used to conduct testing and to record results in a consistent and repeatable manner.

SECTION IV: TEST FINDINGS

SECTION IV.1 Summary of Findings

Pro V&V has completed the certification testing of the Tenex Precinct Central 6.1.3 ePB. Based on the testing performed and evaluation against the applicable U.S. Election Assistance Commission requirements, the system was found to meet the certification criteria.

The following standards were determined not applicable (N/A) for this campaign.

2.1.4 – Multi-factor Authentication

3.3.8 – Secondary ID and biometrics

3.4.4 – Audio settings

3.4.8 – Standard audio connectors

The following standards were determined to pass for this campaign.

1.1.1 – User-centered design process

1.1.2 – Instructions for election workers

1.1.3 – Plain language

1.1.4 – Usability testing with voters

1.1.5 – Usability testing with election workers

1.1.6 – Physical manipulation

1.1.7 – Vote records

1.2.1 – Check-in procedures

1.2.2 – Maintain voter registration records

1.2.3 – Maintain electronic signatures

1.2.4 – Record and display election information

1.2.5 – Printing capabilities

1.3.1 – Compatibility with hardware

1.3.2 – Compatibility with software

1.3.3 – Compatibility with voter registration systems

1.4.1 – Communication with voter registration systems

1.4.2 – Communication with other e-poll books

1.5.1 – Batteries or power supply

1.5.2 – Memory storage

1.5.3 – Loss of connectivity

1.5.4 – System response time

1.5.5 – System failure

1.5.6 – System-related errors

1.5.7 – Feedback

1.5.8 – Warnings, alerts, and instructions

1.5.9 – Icon labels

2.1.1 – Account management

2.1.2 – Access control policies and procedures

2.1.3 – Role-based access

2.1.5 – Separation of duties

Standards Determined to Pass (Continued)

2.1.6 – Least privilege

2.1.7 – Session termination, device lock, and reauthentication

2.1.8 – Unsuccessful logon attempts

2.1.9 – System use notification

2.1.10 – Information and data flow

2.2.1 – Documentation of asset management features

2.2.2 – Device disk encryption

2.2.3 – Device BIOS or other firmware interface access

2.2.4 – Document the application of tamper evident sealing

2.2.5 – Document anti-theft controls, and emergency system decommissioning

2.3.1 – Endpoint detection and response (EDR) tool

2.3.2 – Antivirus tool

2.3.3 – Authentication to access configuration file

2.3.4 – Verification of voter information

2.3.5 – Cryptographic module validation

2.3.6 – Cryptographic strength

2.3.7 – Cryptographic key management documentation

2.4.1 – Network encryption

2.4.2 – Disallow connections to unapproved external networks

2.4.3 – Disallow connections to unapproved external devices

2.4.4 – Network firewall

2.4.5 – Confidentiality and integrity of transmitted data

2.4.6 – Documentation of the network and communications architecture

2.4.7 – Secure network configuration documentation

2.5.1 – Execute on a Supported Operating System

2.5.2 – Support Updates and Patching

2.5.3 – Utilize recognized software standards

2.5.4 – Input validation and error defense

2.5.5 – Escaping and encoding output

2.5.6 – Sanitize output

Standards Determined to Pass (Continued)

2.5.7 – Stored injection

2.5.8 – Third-Party Code and Libraries

2.5.9 – Application allow listing

2.5.10 – Integrity protection for software allow lists

2.5.11 – Documentation of media sanitization procedures

2.6.1 – General system usage

2.6.2 – Operational maintenance activity

2.6.3 – Application errors

2.6.4 – System integrity

2.6.5 – Report Generation

2.7.1 – List of Approved Suppliers

2.7.2 – Authenticity of Components

2.7.3 – Provenance of Devices

3.1.1 – Federal standards for accessibility

3.1.2 – Accessibility documentation

3.2.1 – Reset to default settings

3.2.2 – Reset by election worker

3.2.3 – Default contrast

3.2.4 – Contrast options

3.2.5 – Color conventions

3.2.6 – Using color

3.2.7 – Text size (electronic display)

3.2.8 – Text size (paper)

3.2.9 – Scaling and zooming

3.2.10 – Toggle keys

3.2.11 – Identifying controls

3.2.12 – Display and interaction options

3.2.13 – Electronic display screens

3.2.14 – Flashing

3.3.1 – Scrolling

Standards Determined to Pass (Continued)

3.3.2 – Touch screen gestures

3.3.3 – Accidental activation

3.3.4 – Touch area size

3.3.5 – Key operability

3.3.6 – Bodily contact

3.3.7 – No repetitive action

3.3.9 – Eliminating hazards

3.4.1 – Sound cues

3.4.2 – Information in all modes

3.4.3 – Audio synchronized

3.4.5 – Speech frequencies

3.4.6 – Audio comprehension

3.4.7 – Audio control

3.5.1 – Languages (English & Spanish)

3.5.2 – Presenting content in all languages (English & Spanish)

3.5.3 – Language selections (English & Spanish)

SECTION IV.1.1 TDP Review

All relevant manufacturer-provided documentation that was delivered during the test campaign is listed in Table 4-1. This TDP was found to meet the required documentation requirements.

Table 4-1 Documentation

Document Name	Version	Date
A- Election Day Pollbook Manual	---	11/17/2023
B- Usability Test Report	---	7/16/2025
C- Accessibility Overview	---	11/21/2025*
D- Load Current Election Data	---	11/21/2025*
E- Exporting Voter Credit	---	11/21/2025*
F- Storage Overview	---	11/21/2025*
G- Handoff between native apps and websites	---	11/21/2025*
H- Monitoring Console Overview	---	11/21/2025*
I- Election Creation Overview 1	---	11/21/2025*
J- Election Closing Overview 2	---	11/21/2025*
K- Precinct Central Security Standards	---	11/21/2025*

Table 4-1 Documentation *(continued)*

Document Name	Version	Date
L- Permissions for Admin Account -Spreadsheet	---	11/21/2025*
M- Permissions for Admin Account -Image	---	11/21/2025*
N- Permission for All Accounts	---	11/21/2025*
O- Security Management	---	11/21/2025*
P- Lock Out Time	---	11/21/2025*
Q- Hardware Components	---	11/21/2025*
R- Encryption and Data Protection	---	11/21/2025*
S- Data Protection	---	11/21/2025*
T- Election Worker Training Guide	---	11/21/2025*
U- Removing Profiles and Apps from Managed Devices	---	11/21/2025*
V- App code signing process in iOS, iPadOS, tvOS, watchOS, and visionOS	---	11/21/2025*
W- Bluetooth security	---	11/21/2025*
X- Role of Apple File System	---	11/21/2025*
Y- Security of runtime process in iOS, iPadOS, and visionOS	---	11/21/2025*
Z- AirDrop Security	---	11/21/2025*
AA- App security overview	---	11/21/2025*
VEPBCR Section 1 - Functionality	---	11/21/2025*
VEPBCR Section 2 - Security	---	11/21/2025*
Software Design	---	11/21/2025*
VEPBCR Section 2 - Security 2.5 Software Design	---	11/21/2025*

*Date Received

SECTION IV.1.2 Source Code Review

Precinct Central 6.1.3 utilized Objective-C and Swift for its coding languages in accordance with standard Apple guidelines in agreement with standard Apple development guidance, including the agent recognized General Objective-C/Cocoa Coding Conventions.

Pro V&V conducted a structured source code review to assess compliance with requirements that are applicable to application logic and implementation. As an initial step, each applicable requirement was evaluated, centered upon a test case, to determine whether it was code-relevant based on the system architecture and functionality. Requirements determined to be implementation-dependent were then selected for additional applied code review.

The reviewed requirements were:

2.5.3 – Utilize recognized software standards

2.5.4 – Input validation and error defense

2.5.5 – Escaping and encoding output

2.5.6 – Sanitize output

2.5.7 – Stored injection

2.5.8 – Third-party code and libraries

2.5.10 – Integrity protection for software allowlists

For applicable requirements, Pro V&V performed targeted examinations of relevant code modules to evaluate areas such as input handling, output processing, data storage, and overall application behavior. The review focused on identifying whether the implementation aligned with the intent of each requirement and whether appropriate controls were present.

A coding agent was used to support the source code review; however, all findings, determinations, and conclusions were evaluated and confirmed by Pro V&V personnel.

Additionally, a hash value for the system was generated to help identify the Precinct Central 6.1.3 application.

SECTION IV.1.3 Accessibility and Usability Testing

Accessibility and Usability testing was conducted through examination of the ePB using the Section 3 (Accessibility) test cases derived from the applicable U.S. Election Assistance Commission (EAC) requirements. The standardized test cases were applied to evaluate the system's Accessibility features and determine compliance with the defined criteria.

SECTION IV.1.4 Security Testing

Security testing was conducted through examination of the ePB using the Section 2 (Security) test cases derived from the applicable U.S. Election Assistance Commission (EAC) requirements. The standardized test cases were applied to evaluate the system's security controls and determine compliance with the defined criteria.

SECTION IV.2 Anomalies, Deficiencies, and Resolutions

Any anomalies and deficiencies found while reviewing or testing the ePB were recorded in an Anomalies & Deficiencies Matrix and uploaded to Smartsheets and reported to the EAC and the manufacturer. The manufacturer was provided the opportunity to resolve the anomaly or deficiency, with the solution then being confirmation tested and regression tested to ensure compliance with the requirements.

SECTION V: RECOMMENDATION

Pro V&V provides a recommendation to certify or deny based on the findings and progression of this test project.

SECTION V.1 Support for Recommendation to Certify or Deny

Based on the testing performed and the results obtained during this certification campaign, the Tenex Precinct Central 6.1.3 ePB was found to satisfy the applicable requirements of the U.S. Election Assistance Commission VEPBCR, Version 1.0. Accordingly, Pro V&V recommends the system for certification.

SECTION VI: CONCLUSION

Pro V&V completed the certification testing of the Tenex Precinct Central 6.1.3 ePB in accordance with the applicable U.S. Election Assistance Commission VEPBCR, Version 1.0. The testing activities included evaluation of functional capabilities, security requirements, accessibility and usability requirements, documentation review, and applicable source code review activities.

Based on the testing performed, the results obtained, and the resolution of all identified anomalies and deficiencies throughout the test campaign, the Precinct Central 6.1.3 ePB was determined to meet the applicable certification requirements evaluated during this project.

Appendix A - Warrant of Accepting Change Control Responsibility

Provided separately.

Appendix B - Additional Findings

Not applicable.

Appendix C. Anomalies, Deficiencies, and Resolutions report

Provided separately.

Appendix D. Trusted Build

Not applicable.

Appendix E. Test Plan

Provided separately.

Appendix F. State Test Reports

Not applicable.