



★ VIRGINIA ★
DEPARTMENT *of* ELECTIONS

Memorandum

To: Chairman Brink, Vice Chair O'Bannon and Secretary LeCruise

From: Karen Hoyt-Stewart, Voting Technology Program Manager

Date: June 22, 2021

Re: Unisyn Voting Solutions – Voting System Certification – 2.1.1

Suggested motion for Board Member to make:

I move that the Board certify the use of Unisyn Voting Solutions voting system – version 2.1.1 in elections in the Commonwealth of Virginia, pursuant to the State Certification of Voting Systems: *Requirements and Procedures*.

Applicable Code Section: § 24.2- Chapter 6 - 629

Attachments:

Your Board materials include the following:

- Unisyn Voting Solutions 2.1.1 Certification letter provided by SLI Compliance
- Arlington County April 27, 2021 Mock Election correspondence
- Virginia State Certification of Voting Systems: *Requirements and Procedures*

Background:

Following the steps prescribed in the Virginia State Certification of Voting Systems: *Requirements and Procedures*, Unisyn initiated the certification evaluation to the Department of Elections on March 19, 2021. Unisyn provided their Technical Data Package and Corporate Information (required under step 2 of the *Requirements and Procedures*). Both of these submissions were deemed complete and in sufficient detail to warrant step 3, the Preliminary Review. During the preliminary review, the state-designated evaluation agent conducted a preliminary analysis of the TDP and other materials provided and prepared test assertions. Unisyn provided the certification fee and the testing/evaluation was conducted on March 23 through March 24, 2021 at the ELECT facilities in Virginia. In addition, the system was successfully tested in a Mock Election in Arlington County on April 27, 2021. The Unisyn voting system presented for certification under 2.1.1 successfully completed Virginia Voting Systems State Certification requirements.



May 19, 2021

Commissioner Chris Piper
1100 Bank Street, 1st Floor
Richmond, VA 23219-3947

Re: Audit of the Unisyn OVS 2.1.1 voting system

Dear Mr. Piper,

SLI Compliance is submitting this report as a summary of the auditing efforts for **Unisyn Voting Solution's (UVS) OpenElect Voting System (OVS) 2.1.1**.

The evaluation was conducted on March 22-24, 2021 in the Virginia Department of Elections offices in Richmond, Virginia.

The scope of the audit included verifying compliance with the requirements/test assertions contained in appendices D (Test Assertions) and G (Hardware Guidelines) in the latest version of the Virginia Electronic Voting System Certification Standard, which is currently accepted for testing and certification by the Virginia Department of Elections.

SLI also confirmed that a VVSG 1.0 source code review was performed and a penetration test report for the **UVS OVS 2.1.1** voting system was given to Virginia for their acceptance.

The voting system does not have any wireless communication or modem capabilities available.

It has been determined that the **Unisyn OVS 2.1.1** voting system meets the audited acceptance criteria of the State of Virginia's Voting System Standard, January 2020, version 2.0.

OVS 2.1.1 voting system components audited were comprised of:

Election Management System (EMS)

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|---------------------------------|---------------|
| • OpenElect Central Suite (OCS) | version 2.1.1 |
| • Ballot Layout Manager (BLM) | version 2.1.1 |
| • Election Manager (EM) | version 2.1.1 |
| • Tabulator Client (TC) | version 2.1.1 |
| • Tabulator (Tab) | version 2.1.1 |
| • Auditor | version 2.1.1 |
| • Tabulator Reports (TR) | version 2.1.1 |

Unisyn Scanners

- | | |
|--------------------------------------------------|---------------|
| • OpenElect Voting Optical Scan (OVO) | version 2.1.1 |
| • OpenElect Voting Center Scan (OVCS) | version 2.1.1 |
| • OpenElect mini-Voting Central Scan (mini-OVCS) | version 2.1.1 |

Ballot Marking Devices

- | | |
|--------------------------------------|---------------|
| • OpenElect Voting Interface(OVI-VC) | version 2.1.1 |
| • FreedomVote Tablet (FVT) | version 2.1.1 |

Sincerely,
Michael Santos
Senior Test Manager
SLI Compliance



GRETCHEN REINEMEYER
DIRECTOR OF ELECTIONS

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KIMBERLY PHILLIP
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W. SCOTT MCGEARY
SECRETARY

May 12, 2021

Chris Piper, Commissioner
Virginia Department of Elections

Dear Commissioner Piper,

Thank you for the invitation and opportunity to assist the State's Certification of Unisyn Voting Solutions 2.1.1 software upgrade. We appreciate the opportunity to have the first look at the upgraded software and equipment.

Arlington County currently uses the Unisyn voting systems for ballot scanners, ADA ballot marking devices and the OVCS central count voting system. On April 27, 2021, we participated in the Mock Election for the state certification process for Unisyn Voting Systems. These present were, from Arlington County, Kimberly Phillip (Vice Chairman of the Electoral Board), Jackie Letizia and Stuart Naguraka (Arlington Election Staff), myself and ELECT's representative Karen Hoyt-Stewart.

The voting equipment models used in the Mock Election were: Freedom Vote Terminal (FVT), OpenElect Interface (OVI), OpenElect Precinct Scanner (OVO), the OpenElect Voting Count System (OVCS) and the mini OpenElect Central Count (OVC) with the 2.1.1 software upgrade.

We currently use OVO as our ballot scanners and OVI ADA units in all of our precincts and use the OVCS for Absentee ballot processing.

During the Mock Election, there were no incidents of any kind or any issues. The machines worked as predicted. The tabulation results were accurate for the ballots cast. The write-ins were separated and ballot images were printed as required. We tested the overvote, undervotes, all the ballot styles and ballot types that were presented for the Mock Election.

After reviewing the new software upgrades and voting systems, our recommendation is for approval for the Unisyn Voting Systems 2.1.1 certification.

Sincerely,

Gretchen Reinemeyer
Director of Elections