

**STATE OF COLORADO**  
**Department of State**

1700 Broadway, Suite 270  
Denver, CO 80290



**Mike Coffman**  
**Secretary of State**

**Holly Lowder**  
**Director, Elections**

Ed Smith  
Vice President, Compliance  
Sequoia Voting Systems  
1800 Glenarm Place, 5<sup>th</sup> Floor  
Denver, CO 80202

March 31, 2008

Re: Application for Certification of Voting System

Mr. Smith,

This letter is to inform you that the Colorado Department of State has received your application for certification of the Sequoia Voting System WinEDS 4.0 which includes the following components:

- **WinEDS 4.0**
  - **Election Reporting – 4.0**
  - **Extended Services – 1.0**
- **Optech Insight & Insight Plus - HPX K1.44/APX 2.12**
- **AVC Edge II - 5.1.3**
- **AVC Edge II Plus - 1.2.33**
- **Optech 400-C - 3.00; WinETP 1.16**
- **Insight Memory Pack Receiver 2.15**
- **Card Activator v5.1.31**
- **HAAT Model 50 v2.6.18**
- **Edge Audio Unit 8.0 Rev. D**
- **VeriVote – 1.0**

The following items are missing or were unable to be located in the documentation submitted with your application pursuant to requirements identified in Secretary of State Rule 45:

45.4.2	Documentation	Documentation of applicable firmware and version release numbers.
45.4.2; 45.4.9	Documentation	Documentation of Schematic drawings.
45.4.2; 45.5.2.4.2	Documentation	Documentation of VSTL Technical Data Packages and Test Logs were not included.
45.4.2; 45.5.2.4.2	Documentation	Documentation of EAC Qualification number which includes verification of meeting the 2002 VSS or 2005 VVSG.
45.4.2; 45.5.2.6.2	Documentation	Security documentation which contains information to prevent, detect and log changes to: Ballot formats, casting and recording votes, calculating vote totals, reporting vote totals, audit records, preventing the recording of a vote, introducing vote data without casting a vote, changing calculated vote totals, preventing access to vote data, and allowing access to determine content of specific votes by a specific voter.
45.4.2; 45.5.2.7.9	Documentation	Documentation of procedures to respond to the following known threats and vulnerabilities: Procedures to monitor threats, to evaluate and respond to threats, to update and/or correct system based on review of threats, and to assist customers to update and/or implement corrective procedures.
45.4.2; 45.4.4	Documentation	The documentation shall also include a configuration plan and quality assurance program.

45.4.2; 45.5.2.2.3	Documentation	Documentation shall include the published processing standards for each component of the voting system.
45.4.2; 45.4.9	Documentation	Documentation of the estimated time of operation under battery power.
45.4.2; 45.4.6	Documentation	Documentation of the instructions for using and installing the trusted build.
45.4.2; 45.5.2.4.4(a)	Documentation	Documentation of the projected plan for compliance with the EAC 2005 VVSG requirements.
45.4.2; 45.5.2.6.1(d)(iv)	Documentation	Provide documentation of the minimum services and executables necessary for the operation of the voting system.
45.4.2; 45.5.2.6.1(c)(vii)	Documentation	The documentation shall include verification of all cryptography sections to meeting FIPS 140-2 standards.
45.4.2; 45.5.2.7.8	Documentation	Documentation shall include all COTS Hardware, software and services used for telecommunications.
45.4.2; 45.5.2.8.2	Documentation	Documentation of the accessibility requirements identified under subsections of 45.5.2.8.2.

Your application will be advanced to Phase II – the evaluation of the documentation, but will not be able to proceed to Phase III until the above items are addressed. We will begin to evaluate your application based on the steps identified for Phase II, and anticipate the completion of this process on or around April 25, 2008. As previously discussed, we are currently in-line with the proposed schedule for your Phase III functional testing to begin on April 30<sup>th</sup>, 2008.

The public demonstration of your voting system will begin at 9:00am. I would like to remind you that the demonstration of your system is open to attendance by the public. The schedule that you follow for the day is free to your choosing; however, Secretary of State Rule 45.6.1 provides detail as to the areas of interest that you must address.

Finally, I would like to provide a confirmation of the types and amounts of equipment that we anticipate receiving for the demonstration and functional testing:

One Workstation or Server containing the Sequoia Voting System Software:

- WinEDS 4.0
- Election Reporting 4.0
- Extended Services 1.0

(please check the requirements in Rule 45.6 for details on this, you may break this software out onto multiple units provided each unit meets the requirements as prescribed)

Two AVC Edge II 5.1.3 units with VeriVote 1.0

Two AVC Edge II Plus 1.2. units with VeriVote 1.0

One Optech Insight Unit HPX K1.44/APX 2.12

One Optech Insight Plus Unit HPX K1.44/APX 2.12

One Insight Memory Pack Receiver 2.15

One Card Activator v5.1.31

One HAAT Model 50 v 2.6.18

Two edge Audio Units 5.0 Rev. D

One AVC Advantage Model 5.0 (for integration testing)

One AVC Advantage Model 8.0 (for integration testing)

One Optech 400-C 1.16

Additional consumables, voter activation cards, memory cards, etc. necessary to process ballots as described in Rule 45.6.2.3.10.

Printed Ballots as described in Rule 45.6.2.3.7.

We will work with you directly to make additional accommodations for bringing equipment in prior to April 30th due to the limitations imposed on us by the building for use of the freight elevator.

If you are experiencing any scheduling problems with this date, please let our office know as soon as possible.

Additionally, please review the "Instructions for Vendors Applying for Certification" (<http://www.elections.colorado.gov/DDefault.aspx?tid=998>) as this document which contains database structure, ballot quantities and information regarding communications distributed between our offices has been updated.

Your application has been assigned the following number: **2007-CDOS-SEQ-002-1212**. Please refer to this number for all future correspondence. If you believe any of the submitted firmware/software versions are incorrect or incomplete, please contact me as soon as possible.

Please contact me directly if you have any questions during the certification process.

Sincerely,



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