

## Memorandum

**To:** Honorable Ross Mirkarimi, Member, Board of Supervisors  
**From:** John Arntz, Director of Elections  
**Date:** February 10, 2006  
**RE:** Implementation of New Voting System for June 6, 2006 Elections and the  
Implementation of Ranked-Choice Voting for the November 7, 2006 Election

This memo is in response to the Board of Supervisors' Inquiry regarding the implementation of ranked-choice voting for the November 7, 2006 election. Also, this memo will serve as an update on the progress of the overall implementation of the new voting system from Sequoia Voting Systems and provide general information regarding the Request for Proposal and vendor selection processes, and information on the certification of the new system for use in both the June primary and the November election using ranked-choice voting (RCV).

Sequoia's system has completed and passed the review by an Independent Testing Authority (ITA) which ensures the system met federal requirements. The ITA recommended to the California Secretary of State that Sequoia's system be certified for use in California. The Secretary of State's office is nearing the completion of its testing of Sequoia's system and will conduct the final phase of the certification review next week. The Secretary of State has noticed a public hearing for Sequoia's system on March 1, 2006 in Sacramento, and seven days after this date the Secretary of State can certify the system. Sequoia indicated today that the state of Illinois certified Sequoia's system for use in that state, and the city of Chicago will use one optical scan and one touch screen unit in each polling place for Illinois' primary held on March 21, 2006.

### RANKED-CHOICE VOTING

The Department has nearly completed the contracting process with Sequoia Voting Systems and throughout negotiations, the vendor has indicated that it will implement ranked-choice voting for the November 2006 election. Still, the Sequoia system that the Secretary of State is reviewing for certification does not yet include ranked-choice voting. Sequoia has stated from the beginning of the RFP process that it would seek certification for ranked-choice voting after the City executed a contract with the company. Sequoia, however, did develop a working ranked-choice voting program for the pilot program associated with the RFP for both optical scan and touch-screen equipment. The equipment demonstrated the ability to accumulate

precinct and absentee votes, operate the ranked-choice tabulation method for multiple passes - including write-in candidates - and to produce ranked-choice voting results in multiple report formats.

Sequoia and the Department will meet in a few weeks to finalize the parameters for developing software for certification with Sequoia's system. Sequoia will submit its RCV-designed system to an Independent Testing Authority (ITA) for federal review before the June election. Presently, I am confident the vendor has the ability and the time necessary to incorporate RCV into its voting system and receive certification for use in the November 7, 2006 election.

## **BACKGROUND**

### **Accessibility Standards and Paper Audit Record**

In 2002, the federal government adopted the Help America Vote Act that requires, beginning in 2006, all jurisdictions to meet voter accessibility standards allowing voters with, but not limited to, sight and mobility impairments to vote independently and privately. Additionally, state law requires any direct recording electronic (DRE) voting device be equipped with a voter verifiable paper audit trail (VVPAT) which will serve as the official paper record of the votes cast on such systems.

The new voting system will help San Francisco meet all of the above standards. The DRE, or touch-screen, voting device is equipped with a hand-held device with buttons labeled in Braille, an audio ballot and instructions, and two USB ports for voters who wish to bring their own assistive devices such as a sip-puff or secondary keyboard. The touch-screen will provide information to voters in Spanish and Chinese characters, which meets San Francisco's obligations under the Voting Rights Act.

### **Request for Proposal**

The Department issued a Request for Proposals (RFP) on March 31, 2005 for the acquisition of a new voting system for the City and County of San Francisco. This RFP was required because the City's contract with Election Systems & Software (ES&S) expired in January 2005 (ES&S and the Department negotiated an extension through April 15, 2006); the current voting system does not meet the accessibility standards set by the Help America Vote Act (HAVA) and required to be in place by the first election in 2006; the current system did not meet new testing requirements and it was unclear if the system could be used after 2005; the State set a January 1, 2006 deadline for counties to receive grant monies to purchase new equipment and the Department did not want the City to lose its opportunity to use the grant funding; and, the City requires any potential contract that may exceed \$10,000 to be put out for bid.

The Department sent the RFP for a new voting system to all vendors with voting systems certified by the Secretary of State's office for use in California and received two responses: ES&S, and Sequoia. The process required both vendors to participate in a pilot program to

demonstrate their systems to the selection panel and to the public. The RFP process required the panel to score each vendor based upon the review of materials, interviews with the vendors, and the results of the pilot program demonstration. As a result, the panel selected Sequoia Voting Systems; subsequently, the Department issued a letter of intent to award a contract to Sequoia. The voting system selected will consist of two central count optical scan ballot tabulators (400C) used to count absentee ballots, and one optical scan ballot tabulator (Insight) and one touch-screen voting device (Edge II Plus) for each polling place.

### CERTIFICATION

At the time the RFP was issued, Sequoia Voting Systems' DRE or touch-screen voting system had already met federal and state certification and the system was being successfully used in elections in California and other states. What was not yet certified was the software needed to meet new reporting requirements for primary elections and to allow the printing of the voter verified paper audit trail in character-based languages such as Chinese.

The vendor has maintained throughout the RFP process and contract negotiations that it will meet all federal and state testing in time for San Francisco to use this system for the June primary election. As of the date of this memo, Sequoia has passed federal requirements; the Secretary of State has been conducting "end-to-end" testing since Monday, February 6. On Monday and Tuesday, February 13 and 14, the Secretary of State will conduct the last phase of testing during what is called "stress testing" of the Sequoia system and have the equipment demonstrate it can perform all election day tasks.

### ALTERNATE PLANS

The Department has considered several potential alternative plans should the Sequoia system not receive State certification in time for implementation with the June Primary election. One alternative considered is to join other counties in pursuing emergency legislation to allow counties to conduct this primary election by only mailing absentee ballots to all registered voters. Such legislation, however, requires a 2/3<sup>rd</sup> vote and the to be signed by the Governor. San Francisco would need to reconsider the resources required for an all-mail-ballot election and would need to order the production of several hundred thousand envelopes and inserts placed into absentee envelopes. Also, March 10 is when election officials begin to set up the parameters of the election including ballot layout and the conduct of the logic and accuracy tests. Thus, the timeline for implementing such a potential alternative would be very tight. Further, no State legislation can remove the federal accessibility requirements of the Help America Vote Act (HAVA). The proposed State legislation for all-mail-ballot elections, requires elections officials to "make available a sufficient number of accessible voting devices in his or her office, and/or in satellite locations, on election day" and such vote centers still would require accessible voting devices in sufficient numbers for voters with disabilities.

Another potential alternative is to continue using the current ES&S system and add ES&S'

accessible voting device called the "AutoMARK." Excluding the fact that Sequoia received the highest score during the competitive bidding process, the City currently cannot use its existing system with the AutoMARK because the AutoMARK is not certified by the Secretary of State for use with the City's current optical scan system, known as "Eagles." To gain certification from the Secretary of State, the vendor needs to submit an application for certification with the Secretary of State, the SOS would need to test system then hold a hearing before it could issue certification. The vendor has indicated that it has an application on file with the Secretary of State, but that the SOS has not begun plans to test the system for certification. Thus, if the City were to plan to use the existing system, it would be using a system that is not fully certified by the Secretary of State and is not at this time under review for such certification.

A third alternative that has been suggested is for the City to rent or lease from ES&S the voting equipment that is certified for use with the AutoMARK for the June and November 2006 elections. Such an approach would be in contradiction to the parameters of the competitive bid process the Department initiated last year. But if a temporary use of a voting system were utilized before the City implemented the Sequoia system, the City would need to use the federal grant funds for new voting equipment for which the City is eligible, or, use monies from the General Fund. If the City utilizes the federal grant funds for the temporary use of a voting system, it will decrease the amount of funding available to purchase a system for permanent use. Additionally, the mandate for using federal HAVA funds to purchase *one* accessible device per precinct will sunset on January 1, 2007 when the law then will require *all* systems purchased with these grant monies to be accessible. This would require the City to purchase an even greater number of new equipment to meet federal accessibility requirements.

At this time, the Department is confident that Sequoia will receive the necessary approval in time for use in the June primary. If, in the very near future, there is an indication that Sequoia cannot receive state approval, the Department will discern whether ES&S can provide a certified system for use in San Francisco and how this potential change would affect the bidding process the Department has pursued over the last ten months. In an absolutely worst-case scenario, the Department has already developed a manual tally process that incorporates citywide, district, and ranked-choice voting contests. The Department would modify this manual counting process to accurately tabulate ballots used in a modified primary.

Attached for your information are correspondences from Sequoia Voting Systems the Department has received regarding updates to the certification of their systems; correspondences from the Secretary of State's Office regarding the same; website information regarding the certification of the AutoMARK system by Election Systems & Software showing the systems certification with the M100 precinct-based equipment and Model 650 central-count optical scan systems rather than with the Eagle precinct-based equipment and the 400C central count optical scan systems the City currently owns.

The Department will provide regular updates to the Board as the implementation process moves forward. Please note that since the total contract amount will exceed \$10 million, the Board of Supervisors will have the opportunity to approve the contract presented by

February 10, 2006

the Department. Finally, please let me know if I can provide any further information on these issues.

J.P.A.

Cc: Honorable Gavin Newsom, Mayor  
Honorable Members, Board of Supervisors  
Ed Harrington, Controller  
Honorable Members, San Francisco Elections Commission



**To:** Sequoia Voting Systems' California Customers  
**From:** Jack A. Blaine, President, Sequoia Voting Systems  
**Date:** January 20, 2006

During this busy time of preparation for the June primaries in California, it is especially imperative that we keep communication flowing between Sequoia and you our valued customers. To that end, I will be issuing weekly statements on our certification progress in an effort to keep you as up-to-date on our efforts and milestones in this process as possible.

Following are some very important milestones and achievements I would like to share with you on our current federal qualification and California state certification status:

- All testing by the federal Independent Testing Authorities (ITAs) of our voting machines and related equipment that is committed for use in California, with the exception of the WinEDS election management system, is complete. These individual components were tested to the 2002 Voting System Standards (VSS) and meet those standards.
- The last phase of the ITA qualification process is scheduled to begin next week. The end-to-end testing of our WinEDS software and firmware is planned for next week, after which time federal review of our voting system will commence by the National Association of State Election Directors (NASD) and a resulting systemic NASD qualification number will be issued for our entire voting system, deeming it compliant with the 2002 VSS.
- We have submitted our application for voting system certification to the State of California this week as anticipated. Our application was received by the State via e-mail on Tuesday, January 17th and via Federal Express on Wednesday, January 18th. Supplemental documentation was sent via Federal Express to the State for arrival on Thursday, January 19th along with a copy of the application and materials originally sent on the 17th. We also sent all materials to Steve Freeman, the State of California's Independent tester. The materials were delivered to Mr. Freeman on the 19th. All of this material was sent by Paul Nolte who coordinates the state certification processes for Sequoia. Paul sent our application and supporting materials to Bruce McDannold in Secretary McPherson's office, with whom Paul has been communicating regularly.
- With our application received by the State, we are currently working with the Secretary of State's Office to schedule California testing which should take place in February after completion of the end-to-end testing described above.

We are your partners and we are working with you toward the common goal of smooth, accurate elections. We are committed to delivering quality election equipment to our customers as we have been doing for over a century. Please feel free to contact me directly or through Michelle Shafer should you have any additional questions or concerns.

John  
Arntz/ELECTIONS/SFGOV  
01/31/2006 05:56 PM

To Shirley Rodriques/ELECTIONS/SFGOV@SFGOV  
cc Linda Tulett/ELECTIONS/SFGOV@SFGOV  
bcc  
Subject Fw: 1/31/06 Certification Update from Sequoia

Shirley:

Please forward this email to the Commissioners regarding the certification process for Sequoia's voting system.

Thanks,  
-John.

John Arntz  
Director  
San Francisco Department of Elections  
1 Dr. Carlton B. Goodlett Pl, Rm 48  
San Francisco, California 94102  
415 554 4375  
fax 415 554 7666

Dear California Customers –

In our continuing efforts to keep you informed on our certification progress, we want to share a major milestone with you. Attached is a letter from Shawn Southworth at Ciber stating that Sequoia's functional testing of our WinEDS 3.1.012 election management software is complete as of today, in addition to the source code and documentation review. Ciber is recommending WinEDS for certification and we expect our report from Ciber shortly. Upon receipt of this report, we will be able to submit to NASED for systemic certification of our voting systems to the 2002 VVSS. We are sure that you will be happy to hear this good news!

I have received inquiries as to our certification test dates and plan with the State of California. I know folks here at Sequoia are working with the State today on this plan and trying to solidify the exact dates and details. When I have final information on this, I will certainly share in another e-mail.

Thanks also for the very positive feedback many of you have shared on our communication efforts.

If you have further questions on this or any related matter, please let me know. I will be traveling to Washington, DC tomorrow for an EAC meeting as well as the winter NASS and NASED conferences so I will be best reached via e-mail through next Tuesday for the timeliest of responses.

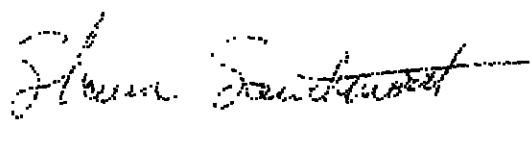
Have a good evening!

Michelle  
**Michelle M. Shafer**  
**Vice President, Communications & External Affairs**  
**Sequoia Voting Systems**  
7677 Oakport Street, Suite 800  
Oakland, CA 94621  
phone: 800.347.4702 or 512.426.5658  
fax: 512.249.0917  
mshafer@sequoiavote.com

# ciber

Memo to: Doug Weincl  
Date: January 31, 2006  
Subject: WinEDS 3.1.012

This is to notify you that the testing of WinEDS 3.1.012 functional testing is complete. All source code and documentation has been reviewed as well. We will be completing our final report shortly and recommending this system for certification. If you have any questions feel free to contact me.

A handwritten signature in cursive script, reading "Shawn Southworth", is written over a horizontal line. A vertical line extends upwards from the end of the signature.

Shawn Southworth  
Ciber Inc.  
ITA Practice Director  
7501 South Memorial Parkway  
Suite 107  
Huntsville, AL 35802





**BRUCE McPHERSON** | SECRETARY OF STATE | STATE OF CALIFORNIA  
ELECTIONS | 1500 11th Street, 5th floor, Sacramento, CA 95814 | tel 916.657.2166 | fax 916.653.3214 | [www.ss.ca.gov](http://www.ss.ca.gov)

January 24, 2005

To: County Clerks/Registrars of Voters (06040)

From: \_\_\_\_\_  
Bruce McDannold, Interim Director  
Office of Voting Systems Technology Assessment

Subject: **Status of Voting Systems and Questionnaire**

As we approach the June 2006 primary, it is critical that we maintain an open line of communication between the Office of the Secretary of State and each county elections official. In an effort to ensure that you are aware of the status of each voting system pending certification for use in California, we are providing you with the following voting system application status report.

As you know, the Office of the Secretary of State has given each voting system vendor a target date of January 20, 2006 for submission of a completed application, and January 31, 2006 for completion of federal testing. These target dates were provided to the voting system vendors in accordance with deadlines provided by each of you for placement of new systems prior to the June 2006 primary. We will continue to provide each of you with updates as the review and certification process for each system progresses. Additionally, for regular updates on the status of individual systems, please also check the Secretary of State's website at:

[http://www.ss.ca.gov/elections/voting\\_systems/vendor\\_status\\_spreadsheet.pdf](http://www.ss.ca.gov/elections/voting_systems/vendor_status_spreadsheet.pdf)

As of Friday, January 20, 2006, the following applications for certification have been received by the Secretary of State's Office:

- **DIEBOLD – GEMS/AV-OS/AV-TSX w/ AVPM**
- **ES&S - Unisyn/InkaVote PBC**
- **HART INTERCIVIC - System 6**
- **SEQUOIA VOTING SYSTEMS - AVC Edge Voting System Version 5.0**
- **POPULEX – Digital Paper Ballot Voting System**

The current status of the above applications is as follows:

- **SEQUOIA VOTING SYSTEMS - AVC Edge Voting System Version 5.0**  
Sequoia has not completed federal testing. Sequoia has advised the Secretary of State's Office that they anticipate federal testing will be completed on or about January 31, 2006. Based upon this representation, we have tentatively scheduled Sequoia's state and volume testing to begin February 6, 2006.

- **DIEBOLD – GEMS/AV-OS/AV-TSX w/ AVPM**

As you are aware, Diebold has successfully completed both state and volume testing, the public hearing has occurred, and public comment has been taken. However, we have required the memory card to be sent back to the ITA to review the AccuBasic code. We are also conducting our own independent source code review, with the assistance of the Voting Systems Technical Assistance Advisory Board. A determination on certification will be made once the reviews have been completed and the reports issued.

- **ES&S - Unisyn/InkaVote PBC**

The ES&S InkaVote system began state testing this week.

- **HART INTERCIVIC - System 6**

The HART system is currently scheduled to resume state testing on February 1, 2006, and volume testing to occur on February 20-21, 2006.

- **POPULEX – Digital Paper Ballot Voting System**

Populex has been asked for additional information to complete their application.

For your information, we have been informed by ES&S that they do not anticipate having their iVotronic DRE voting system certified for future use in California elections. However, they are planning to apply in February for a modified version of their optical scan system that includes the AutoMark.

Within the next few days you will be receiving a Notice of Public Hearing regarding each of these systems (excluding Diebold, which has already had a public hearing as indicated above). The tentative date for the public hearing is March 1, 2006.

We have been moving, and continue to move, as expeditiously as possible throughout this certification process.

**Please fill out and fax back to us by Wednesday, January 25, 2006, responses to the enclosed questionnaire regarding your county's plans for HAVA/AVVPAT compliance and voting systems for use in elections this year.**

We appreciate your cooperation.

Attachment

**HAVA/AVVPAT Compliance**  
**Please fax by Jan. 25 to (916) 653-8437**

COUNTY: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Voting System (please include system name and version number) to be used in the June 6, 2006 Primary Election:

Polling Place: \_\_\_\_\_

Absentee: \_\_\_\_\_

Other (Early Voting, Provisional, etc.): \_\_\_\_\_

HAVA Accessibility Compliance, if different: \_\_\_\_\_

Voting System (please include system name and version number) to be used in November 7, 2006 General Election:

Polling Place: \_\_\_\_\_

Absentee: \_\_\_\_\_

Other (Early Voting, Provisional, etc.): \_\_\_\_\_

HAVA Accessibility Compliance, if different: \_\_\_\_\_

If you are acquiring a new system in whole or in part, have you received Board of Supervisors approval or other approvals as required for such a purchase?

        
Yes

        
No

For implementation of any new system you may be acquiring in whole or in part, what is the **final date** for you to begin implementation in order to be prepared to use it in the June 2006 Primary?

\_\_\_\_\_

If your system is not certified prior to that date, how do you plan to conduct the June 2006 Primary election? Do you have a contingency plan for the June Primary? If so, what is it?

\_\_\_\_\_  
\_\_\_\_\_

Please return to:  
Office of Voting System Technology  
1500 11<sup>th</sup> Street, 5<sup>th</sup> Floor  
Sacramento, CA 95814

# Status of Voting Systems

Last Updated: 2/1/06

Vendor	Voting System	Federal Testing Complete	Application Received	State Certification	Notes
DIEBOLD	GEMS/AV-OS/AV-TSX w/AVPM	NO	YES		Referred back to ITA for AccuBasic code review
ESS	Unity/M100/M650/Votronic w/VVPAT	NO	NO		Currently in federal testing
ESS	Unisyn EMS/InkVote PBC	YES	YES		Currently in state testing. Public hearing scheduled for March 1
HART	System 6	YES	YES		Currently in state testing. Public hearing scheduled for March 1
SEQUOIA	WinEDS/Insight/400C/Edge w/VeriVote	YES	YES		Currently in state testing. Public hearing scheduled for March 1
POPULEX	Digital Paper Ballot Voting System	YES	YES		Additional information requested from vendor
ESS	Automark	YES	YES	YES	

For a complete list of voting systems used in the November 8, 2005 Special Statewide Election by the counties, visit [http://www.ss.ca.gov/elections/sov/2005\\_special/sov\\_pref\\_pgx\\_voting\\_systems.pdf](http://www.ss.ca.gov/elections/sov/2005_special/sov_pref_pgx_voting_systems.pdf).

\* Federal requirements under HAVA section 301 (a)(3)(b) require one voting machine equipped for individuals with disabilities at each polling place

# VOTING SYSTEMS CERTIFIED FOR USE IN CALIFORNIA

As of August 3, 2005

<b>OPTICAL SCAN</b>	
<b>Company</b>	<b>System Name and Software</b>
<b>Advanced Voting Solutions</b> 2401 Internet Blvd. #111 Frisco, TX 75034	<b>WINScan</b> WINScan V. 1.0 <i>(certified 8/22/02)</i>
<b>DFM Associates</b> 10 Chrysler Irvine, CA 92618	<b>Mark A Vote</b> BCWin V. 2.0-3.0
<b>Diebold Elections Systems, Inc.</b> 4720 Brand Way Sacramento, CA 95819	<b>AccuVote-OS</b> (previously known as AccuVote 2000) GEMS V. 1.18.18 <i>(certified 11/20/03)</i> GEMS V. 1.18.19; Firmware 1.94w and 1.96.4 <i>(certified 8/18/04)</i> GEMS V. 1.18.19; Firmware 2.0.12 <i>(certified 9/28/04)</i>  <b>AccuVote-HS</b> V. 1.0
<b>ES&amp;S</b> 844 Sutro Ave. Novato, CA 94947	<b>Optech III-P Eagle/ IV-C</b>  <b>AutoMARK Voter Assist Terminal version 1.0,</b> AIMS version 1.0, Unity v. 2.4.3 Model 100 firmware 5.0.0.0, Model 550 firmware 2.1.1.0, Model 650 firmware 1.2.0.0  <b>Model 100</b> Unity V. 2.4.3; Firmware 5.0.0.0 <i>(certified 9/17/04)</i>  <b>Model 550</b> Unity V. 2.4.3; Firmware 2.1.1.0 <i>(certified 9/17/04)</i>  <b>Model 650</b> Unity V. 2.4.3; Firmware 1.2.0.0 <i>(certified 9/17/04)</i>
<b>Hart Intercivic</b> 1650 Cold Creek Drive #E Lafayette, CO 80026	<b>Ballot Now</b> eSlate System 2.0 Ballot Now V. 1.3 <i>(certified 8/30/02)</i>  eSlate System 2.1 Ballot Now V. 1.5.09 <i>(certified 5/13/03)</i>  eSlate System 3.0 Ballot Now V. 2.0 <i>(certified 12/17/03)</i>  eSlate System 3.1 Ballot Now V. 2.1 <i>(certified 2/11/04)</i>  eSlate System 3.2 Ballot Now V. 2.2.6 <i>(certified 2/11/04)</i>  eSlate System 3.4 Ballot Now V. 2.3 <i>(certified 9/17/04)</i>

# VOTING SYSTEMS CERTIFIED FOR USE IN CALIFORNIA

As of August 3, 2005

<b>Los Angeles County</b> 12400 Imperial Hwy. Norwalk, CA 90650	<b>InkaVote</b> <i>(certified 11/1/02)</i> MTS V. 1.2 <i>(certified 1/16/98)</i> MTS V. 1.3.1 <i>(certified 2/11/04)</i>
<b>Martin &amp; Chapman</b> 1951 Wright Circle Anaheim, CA 92806	<b>Opto-Mark</b> V. OV-OV-1
<b>Sequoia Voting Systems</b> 7677 Oakport St., Ste. 800 Oakland, CA 94621	<b>Optech III-P Eagle</b> EMS/AERO 3.54.1, APS V.1.52, HPS 1.30 <i>(certified 4/28/05)</i>  <b>Optech 400C AKA IV-C</b> WinEDS V. 3.0.134; Firmware V. 1.02B <i>(certified 9/28/04)</i> EMS/AERO 3.54.1, firmware V. 1.10.5 <i>(certified 4/28/05)</i>  <b>Optech Insight</b> EMS/AERO 3.54.1, HPX 1.40, APX 2.06, CPX 1.12 <i>(certified 4/28/05)</i>
<b>Unilect</b> 7080 Donlon Way, Ste. 220 Dublin, CA 94568	<b>Patriot Optical</b> Intellect V. 2.0-2.52

# VOTING SYSTEMS CERTIFIED FOR USE IN CALIFORNIA

As of August 3, 2005

<b>DRE / TOUCHSCREEN</b>	
<b>Company</b>	<b>System Name and Software</b>
<b>Advanced Voting Solutions</b> 2401 Internet Blvd. #111 Frisco, TX 75034	<b>WINVote</b> WINVote V. 1.5 /Election Software System V. 1.0.3 <i>(certified 7/25/02)</i>
<b>Avante International Technology, Inc.</b> 70 Washington Road Princeton Junction, NJ 08550	<b>Vote-Trakker</b> Model Number EVC308 V. 1.0 <i>(Conditionally certified 12/3/02)<sup>i</sup></i>
<b>Diebold</b> 4720 Brand Way Sacramento, CA 95819	<b>AccuVote-TS</b> GEMS V. 1.18.18 <i>(certified 11/20/03)</i> GEMS V. 1.18.19; Firmware 4.3.15D <i>(certified 8/10/04)</i> GEMS V. 1.18.19; Firmware 4.3.15D; VCPprogrammer V. 4.1.11 <i>(certified 10/4/04)</i>
<b>ES&amp;S</b> 844 Sutro Ave. Novato, CA 94947	<b>Votronic and iVotronic</b> V. 2.0-2.2
<b>Hart Intercivic</b> 1650 Cold Creek Drive #E Lafayette, CO 80026	<b>eSlate</b> eSlate System 2.0 PVS 1.13 <i>(certified 3/13/02)</i> eSlate System 2.1L, PVS 1.17 (Multilanguage) <i>(certified 11/14/02)</i> eSlate System 2.1 PVS 1.16 <i>(certified 5/13/03)</i> eSlate System 3.0 PVS 2.0 <i>(certified 12/17/03)</i> eSlate System 3.1 PVS 2.0 <i>(certified 2/11/04)</i> eSlate System 3.2 PVS 2.0 <i>(certified 2/11/04)</i> eSlate System 3.4 PVS 2.3.8 <i>(certified 9/17/04)</i>
<b>Sequoia Voting Systems</b> 7677 Oakport St., Ste. 800 Oakland, CA 94621	<b>AVC Edge</b> WinEDS V. 2.0-4.0E WinEDS V. 3.0; Firmware 4.1J and 4.2; Hardware 4.0 <i>(certified 10/20/03)</i> WinEDS V. 3.0.134; Firmware 4.2a <i>(certified 9/28/04)</i> WinEDS V. 3.0.134; Firmware 4.3.320 <i>(certified 10/27/04)</i> WinEDS V. 3.0.134; Firmware 4.3.320 with VeriVote <i>(certified 1/21/05)</i>
<b>Unilect</b> 7080 Donlon Way, Ste. 220 Dublin, CA 94568	<b>Patriot</b> Intellect V. 2.0-2.52 <i>(Certified 11/20/00)</i>

**VOTING SYSTEMS**  
**CERTIFIED FOR USE IN CALIFORNIA**

As of August 3, 2005

**PUNCH CARD**

<b>Company</b>	<b>System Name and Software</b>
<b>Sequoia Voting Systems</b> 7677 Oakport St., Ste. 800 Oakland, CA 94621	<b>Datavote</b> Data Information and Management Systems Advanced Ballot Count 4.0.3.1 <i>(certified 10/5/04)</i> DFM BCWin Sequoia Teamwork 6.0c and 8.1 <i>(certified 10/5/04)</i>

<sup>1</sup> The use of Avante's Vote-Trakker (Model #EVC308) touch screen voting system is subject to the following condition: "Procedures required by the law for the use of the system are received in the format and include the content required by the Secretary of State, and approved for use."





**PUBLIC HEARING ON PROPOSED CERTIFICATION  
OF VOTING SYSTEMS  
AGENDA**

**LOCATION**

Office of the Secretary of State  
1500 11<sup>th</sup> Street  
1<sup>st</sup> Floor – Auditorium  
Sacramento, California 95814

**MEETING DATE AND TIME**

March 1, 2006 10:00 a.m. Pursuant to Elections Code section 19204, notice is hereby given that a public hearing will be held to give interested persons an opportunity to express their views regarding the proposed certification of the voting systems identified below.

1. **ES&S - Unisyn/InkaVote PBC**
  - a. Unisyn Election Management System
  - b. InkaVote PBC
2. **HART INTERCIVIC - System 6**
  - a. Ballot Now
  - b. BOSS
  - c. eCM Manager
  - d. eScan
  - e. eSlate/DAU
  - f. VBO
  - g. JBC
  - h. Rally
  - i. Servo
  - j. Tally
3. **SEQUOIA VOTING SYSTEMS - AVC Edge Voting System Version 5.0**
  - a. WinEDS
  - b. AVC Edge Model 1 & 2 with Audio Box & VeriVote
  - c. Card Activator
  - d. HAAT
  - e. Optech 400-C
  - f. Optech Insight & Insight Plus
  - g. Optech Eagle
  - h. Memory Pack Reader (MPR)
  - i. Edge Cartridge Reader/Programmer
  - j. Sycard PCCestend 70A Cardbus Extender
4. **POPULEX CORPORATION - Digital Paper Ballot Voting System**
  - a. Populex Election Management System
  - b. Populex Slate

ALL ITEMS MAY BE RE-ORDERED TO BE HEARD ON ANY DAY OF THE NOTICED MEETINGS.  
THE ORDER OF BUSINESS MAY BE CHANGED WITHOUT NOTICE.

Members of the public are encouraged to submit written comments on agenda items. Written comment should be sent by US mail to the address above or by email to [VotingSystemComment@ssa.ca.gov](mailto:VotingSystemComment@ssa.ca.gov). Those wishing to provide oral comment at a meeting should complete a speaker's card upon arrival. In all cases, the presiding officer reserves the right to impose time limits on presentations as may be necessary to ensure that the agenda is completed. Those wishing to provide an extended statement should submit a request via the email address above or contact Bruce McDannold at (916) 653-7244 at least 24 hours prior to the meeting.



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## ES&S Certification Update

### Federal

*October 25, 2005*

ES&S receives certification under 2002 federal voting standards for the **Real Time Audit Log**, a voter-verifiable paper trail audit solution for use with the **IVotronic Touch Screen Voting System**.

*June 22, 2005*

**ES&S AutoMARK Receives Federal Qualification**

*March 23, 2005*

ES&S received certification under 2002 federal voting standards for the optical scan **Model 100** version 5.1.0.0.

*January 6, 2005*

ES&S is the **first major vendor to achieve certification** under the new 2002 federal voting system standards of all go-forward voting solutions. Specifically, ES&S received certification of the latest version of the company's **Unity Election System** software suite and its accompanying **IVotronic** touch screen voting technology. The company also received certification for its **Model 650** optical scan tabulator.

### State

#### California

*August 3, 2005*

The California Office of Secretary of State notified ES&S that its **AutoMARK Voter Assist Terminal system**, version 1.0, is certified for sale and use in the State of California.

This certification authorizes the use of the AutoMARK only with the previously California certified optical scan systems and accompanying software — **AutoMARK Information Management System** version 1.0; **Model 100** version 5.0.0.0; **Unity** version 2.4.3; **Model 550** version 2.1.1.0; and **Model 650** version 1.2.0.0. Use of another optical scan system with the AutoMARK would require additional review by the Secretary of State.

#### Colorado

*April 13, 2005*

Colorado's Secretary of State notified ES&S that its **Unity 2.5** and associated tabulators are fully certified for use in elections in Colorado. This approval applies to the touch screen **IVotronic** version 9.0.0.0, the optical scan **Model 100** version 5.1.0.0 and **Model 650** version 2.0.1.0.

Additionally, the state certified ES&S' **Unity Election System** suite of products designed to

assist jurisdictions with elections management. Included in this certification is the **Unity Hardware Programming Manager** version 5.1.0.0, **Unity Election Data Manager** version 7.3.0.0, **Unity Ballot Image Manager** version 7.3.0.0, **Unity Data Acquisition Manager** version 6.0.0.0, and the **Unity Election Reporting Manager** version 7.0.0.0.

**Florida**  
*May 31, 2005*

The Florida Department of State notified ES&S that the Florida Election Division certified **Unity** version 2.4.4 and the ES&S **IVotronic** touch screen voting system, along with the optical scan Optech Eagle and IV-C tabulators are certified for use in the state.

Included in this certification is the **IVotronic** version 8.0.1.2, Optech Eagle version 1.30/108a, Optech III-P Eagle version 1.30/108a, Optech III-P IV-C version 1.05c/1.05c, **Unity Audit Manager** version 7.0.2.0, **Unity Election Data Manager** version 7.2.1.0, **Unity Ballot Image Manager** version 3.2.0.0, **Unity IVotronic Image Manager** version 1.2.3.0, **Unity Hardware Programming Manager** version 5.0.3.1, **Unity Data Acquisition Manager** version 6.0.0.0, and **Unity Election Reporting Manager** version 7.0.0.1.

**Iowa**  
*January 30, 2006*

The State of Iowa Board of Examiners voted and approved the ES&S **AutoMARK Voter Assist Terminal** with **Unity** 2.5 and its associated tabulators for sales and use in the state.

*April 21, 2005*  
The Director of Elections for the State of Iowa notified us that by unanimous vote, the Iowa Board of Examiners certified the ES&S touch screen **IVotronic** version 9.0.0.0, the optical scan **Model 100** version 5.1.0.0 and **Model 650** version 2.0.1.0.

Additionally, the state certified ES&S' **Unity Election System** suite of products designed to assist jurisdictions with elections management. Included in this certification is the **Unity Hardware Programming Manager** version 5.1.0.0, **Unity Election Data Manager** version 7.3.0.0, **Unity Ballot Image Manager** version 7.3.0.0, **Unity Data Acquisition Manager** version 6.0.0.0, and the **Unity Election Reporting Manager** version 7.0.0.0.

**Kentucky**  
*March 15, 2005*

The Kentucky State Board of Elections and Office of the Secretary of State voted to approve certification of **Unity** 2.5 and its associated tabulation systems. The Board's approval applies to the full **Unity Election System** version 2.5, the optical scan **Model 100** version 5.1.0.0, the touch screen **IVotronic** version 9.0.0.0, and the optical scan **Model 650** v.2.0.1.0 used for absentee voting.

**Louisiana**  
*February 10, 2005*

The State of Louisiana has certified ES&S' **Unity Election System** version 2.5, the touch screen **IVotronic** version 9.0.0.0, and the optical scan **Model 100** version 5.1.0.0 and **Model 650** version 2.0.1.0

**Michigan**  
*March 7, 2005*

ES&S has received formal notification from the Bureau of Elections for the State of Michigan that the Board of State Canvassers has approved **Unity** 2.5 and its associated tabulation systems. The Board's approval applies to the full **Unity Election System** version 2.5, the

optical scan **Model 100** version 5.1.0.0, and the optical scan **Model 650** v.2.0.1.0.

#### **Minnesota**

*August 30, 2005*

The Minnesota Office of Secretary of State has notified ES&S that the optical scan **Model 100** version 5.0.0.0, is certified for use in the State of Minnesota.

#### **Texas**

*August 1, 2005*

The Texas Office of Secretary of State notified ES&S that its **AutoMARK Voter Assist Terminal System**, Version 1.0, is certified for sale and use in the State of Texas.

This certification authorizes the use of the AutoMARK only with the previously Texas certified optical scan systems and accompanying software — **Model 100** version 5.0.0.0; **Unity** version 2.4.3; **Model 150/550** version 2.1.1.0; **Model 650** version 1.2.0.0; **Optech III-P Eagle** version 1.50/1.28/102a; **Optech IV-C** version 1.06a; and **AutoMARK Information Management System** version 1.09. Use of another optical scan system with the AutoMARK would require additional review by the Secretary of State.

#### **Washington**

*June 28, 2005*

The Washington Office of Secretary of State notified ES&S that its **Unity 2.5** and **Unity Online** software and **Model 100** and **Model 650** optical scan voting systems, and the **AutoMARK Voter Assist Terminal** are certified for use in the State of Washington.

Hardware and software components approved for use with this certification include the ES&S **Model 100** optical scan ballot counter version 5.1.0.0; **Audit Manager** version 7.3.0.0; **Model 650** precinct ballot tabulator version 2.0.1.0; **Election Data Manager** version 7.3.0.0; ES&S **Image Manager** version 7.3.0.0; **Hardware Programming Manager** version 5.1.0.0; **Data Acquisition Manager** version 6.0.0.0; **Election Reporting Manager** version 7.0.0.0; **AutoMARK** version 1.0; and **AutoMARK Information Management System** version 1.0.

#### **Wisconsin**

*January 19, 2006*

The Wisconsin State Elections Board today announced that the ES&S **AutoMARK Voter Assist Terminal**, and the **Optech Eagle**, **Model 150**, and **Model 550** tabulators are approved for use in the State of Wisconsin.