



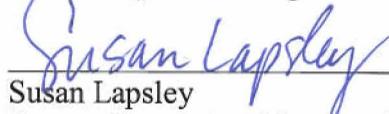
DEBRA BOWEN | SECRETARY OF STATE | STATE OF CALIFORNIA
OFFICE OF VOTING SYSTEMS TECHNOLOGY ASSESSMENT
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September 6, 2012

County Clerk/Registrar of Voters (CC/ROV) Memorandum #12271

TO: All County Clerks/Registrars of Voters

FROM:



Susan Lapsley
Deputy Secretary of State and Counsel

RE: Voting Systems: OVSTA Monthly Update – September 2012

Each month, the Office of Voting Systems Technology Assessment (OVSTA) will provide an update on Election Assistance Commission (EAC) and Secretary of State (SOS) activities related to voting systems.

Each update will provide information on:

- Recent voting system related events that may be of interest to county elections officials.
- Administrative approvals and denials since the prior month's update. This first update will provide information on approvals and denials dating from January 1, 2012.
- Administrative approval requests since the prior month's update. This first update will provide information on approvals and denials dating from January 1, 2012.
- Voting system testing and approval at the SOS office.
- Voting system testing and certification at the EAC.
- Defect, failure and fault reports issued since the prior month's update. This first update will provide information on reports issued since June 1, 2012.
- Ballot printing certification requests since the prior month's update. This first update will provide information dating from July 1, 2012.

Recent Events

OVSTA participated in the State Certification Testing of Voting Systems National Conference at Ball State University on June 14-15, 2012. Jurisdictions from around the U.S. took part and discussions included Best Practices in State Certification, Certification in States, Coping with the High Cost of State Certification, State Testing in the Lab and Field, New Directions in State Testing, Challenge of Engineering Change Orders (a.k.a. Administrative Approvals), and Future Directions in State Certification. Documents related to this conference can be found on the Ball State [website](#).

OVSTA surveyed 30 states that have or plan to implement Federal Voting Assistance Project (FVAP) Ballot Marking Wizards to see what, if any, testing of those systems has been done. In addition, the Secretary has requested information and documentation from the FVAP on any and all testing that it has conducted.

Administrative Approval Requests Since January 1, 2012

California Elections Code section 19213 precludes a voting system or part of a voting system that has been approved by the Secretary of State from being changed or modified until the Secretary of State has determined that the change “does not impair its accuracy and efficiency. . . .”

Information on submitting an administrative approval request is in “[Requesting Administrative Approval of a Change or Modification to an Approved Voting System.](#)”

Approvals

- ES&S was approved on January 9, 2012, to modify AutoMARK VAT model 300 (A300) units to turn them into AutoMARK VAT model 200 (A200) machines. The A300 units were manufactured specifically for Premier Election Solutions. Therefore, ES&S requested administrative approval to modify the machines to turn them back into A200 units, which are approved for use in California in conjunction with the Unity 3.0.1.1 voting system.
- ES&S was approved on February 3, 2012, to upgrade its California customers using the Unity 3.0.1.1 voting system, from Norton 2005 antivirus software to AVG 9.0 antivirus software. The Norton 2005 antivirus software was no longer supported by the manufacturer. Therefore, ES&S requested administrative approval to migrate its California jurisdictions to AVG 9.0 antivirus software.
- ES&S was approved on March 12, 2012, to have its California jurisdictions that provide ballots in Chinese to use UConvert and TwinBridge (Chinese character conversion) software applications. In 2011, based on the 2010 Census data, California had jurisdictions that were required by the United States Department of Justice, to provide ballots in Chinese. Unity 3.0.1.1 had not been previously tested and approved to use the Chinese character conversion software application as there had not been any jurisdictions prior to 2011 using the Unity 3.0.1.1 voting system that were required to provide ballots in Chinese,.
- San Bernardino County was approved on March 12, 2012, and again on June 7, 2012, to suspend Condition 41 (air-gap requirements) of the Dominion/Sequoia WinEDS version 3.1.012 voting system, as described in its Use Procedures, for its May 8, June 5, and July 10, 2012, elections. Due to San Bernardino County conducting four elections between April and July 2012, the county requested a waiver of the air-gap requirements. The Secretary of State found that there was not sufficient time to fulfill the air-gap requirement for the May 8, June 5, and July 10, 2012, elections. However, San Bernardino County was still required to fulfill the requirement prior to its April 17, 2012, election.
- Riverside County was approved on April 30, 2012, to suspend Condition 41 (air-gap requirements) of the Dominion/Sequoia WinEDS version 3.1.012 voting system, as described in its Use Procedures, for the June 5, 2012, election. Due to Riverside County conducting two elections between May and June 2012, the county requested a waiver of

the air-gap requirements. The Secretary of State found that there was not sufficient time to fulfill the air-gap requirement for the June 5, 2012, election. However, Riverside County was still required to fulfill the requirement prior to its May 1, 2012, election.

- Dominion was approved on July 6, 2012, to sell the AccuVote-OS MRAM memory card for use with the GEMS version 1.18.24 voting system. The memory card does not require the use of a battery to retain data.

Denials

- ES&S was denied administrative approval on August 27, 2012, to modify its Use Procedures document to include two types of ballot stock for its Unity version 3.0.1.1 voting system. This would have allowed jurisdictions to print on either 80 pound ballot stock or 90 pound ballot stock.

Under Review

- Dominion is requesting administrative approval to its WinEDS version 4.0.116B, used for Ranked Choice Voting (RCV), so jurisdictions can run an SQL script during every RCV election to mitigate a defect in the WinETP software, which was discovered in the November 2011 election.
- ES&S is requesting administrative approval for two engineering change orders (ECO) for the AutoMARK VAT. One of the ECOs is to include a second source compact flash card. The other is to allow four components of the Printed Circuit Board (PCB) assemblies, which have reached end of life, to be replaced with equivalent parts.

Testing and Approval by the State of California

There are no applications for testing voting systems pending before the Secretary of State.

Testing and Certification at the EAC

The EAC provides a [weekly update](#) of voting system testing. As of September 4, 2012, the current testing and certification status for systems relevant to California is:

Dominion Democracy Suite 4.9. Wyle is developing the draft Test Plan and plans to submit it to the EAC in mid-September. Dominion prepared an amended application to correct version numbers for this system and will submit it in early September. Related documents can be found on the EAC [website](#).

Dominion Sequoia WinEDS 4.0. The EAC is in discussion with Dominion about the next steps. Related documents can be found on the EAC [website](#).

Election Systems & Software (ES&S) Unity 3.4.0.0. Wyle submitted the [Test Report](#) to the EAC on August 15, 2012. The EAC will respond with comments or Test Report approval by Thursday, September 13, 2012. Related documents can be found on the EAC's [website](#).

Election Systems & Software (ES&S) EVS 5.0.0.0. Testing is on hold at this time. On August 13, 2012, ES&S submitted a [revised application](#) for the EVS 5.0.0.0. This revision was to the

scope of testing to remove modem functionality and the ExpressPoll. Related documents can be found on the EAC [website](#).

The EAC's "[Voting Systems Under Test](#)" and "[Certified Voting Systems](#)" pages provide more specifics on any voting system.

Defects, Failures and Faults

Defects, failures and faults (problem reports) of voting system hardware and software are reported to the Secretary of State. The Secretary of State in turn provides the reports to the EAC which provides them to the public on the [EAC Voting System Reports](#) clearinghouse webpage.

Since June 1, 2012, the Secretary of State has received problem reports for the Dominion WinEDS 4.0.116B, WinEDS 3.1.012, and ES&S Unity 3.0.1.1 voting systems. Each jurisdiction using these voting systems should have received a copy of the problem report and any associated documentation directly from their voting system vendor. For more information contact the voting system vendor, or OVSTA, or go to the EAC website, at [EAC Voting System Reports](#).

Ballot Printing Certification Requests Since July 1, 2012

Ballot Manufacturers and Finishers certified:

- Integrated Voting Solutions' Paramount Performance Marketing facility located in Jacksonville, Florida, was certified to print AccuVote-OS ballots.
- Integrated Voting Solutions was certified to use an additional printer, a Kodak Versamark 500, to print AccuVote-OS ballots at its certified Fresno facility.
- Moonlight Business Process Outsourcing's (Moonlight BPO) facility located in Bend, Oregon, was certified to print ES&S M100/M650 ballots.

Ballot on Demand Systems certified:

- Runbeck's Sentio was certified to change its configuration to include a mini-CPU with a locked, security cabinet.
- ES&S' Balotar system was certified to permit a change in configuration to include an alternate post-print audit mechanism.

Ballot on Demand Systems under review:

- ES&S requested that its Balotar system be certified to print Dominion/Sequoia Optech ballots.

A list of certified ballot printers can be found at www.sos.ca.gov/voting-systems/cert-and-approval/ballots.htm.