VOTING SYSTEM

TESTING AND CERTIFICATION

PROGRAM E-NEWSLETTER

PROGRAM DIRECTOR'S NOTE

Helping with Voting System Anomalies- Or "Assistance" is Our Middle Name.

In the midst of another Federal election year, we thought that we should remind you of the various ways the EAC Certification Division might assist you should you encounter the dreaded voting system "anomaly" on Election Day or during your pre-election L&A testing.

For those of you who *will not* be using an EAC certified system this year, please remember that, as part of EAC's clearinghouse responsibilities under Section 202 of the Help America Vote Act, the EAC adopted a policy authorizing staff to **post** and **distribute** voting system reports and studies conducted or commissioned by a state or local government. This means that if you have a voting system anomaly that ends results in a report or other documentation, we can share the information with other election officials across the country so everyone using that system can benefit from your hard-won knowledge and experience.

To be considered for posting on the EAC website, a state or local government must submit the report to the EAC Chair or Executive Director (or Acting Executive Director) and certify that the report reflects their experience operating voting systems.

For those of you *who are using an EAC certified* voting system, remember that fielded system review and testing is a critical component of our Quality Monitoring Program. Also be reassured that we won't be repelling down ropes from our black helicopters. According to the requirements of our Certification Program Manual, we may only come into your jurisdiction to conduct a review of a fielded system experiencing an anomaly **upon invitation or with the permission of a State or local election authority**.

Any such reviews will be done working hand-in-hand with your technical staff and the voting system manufacturer in order to work to find the root cause of the problem, to have the problem mitigated and tested as appropriate and finally to have the mitigations installed in your system.

- Brian Hancock

PROGRAM UPDATES

GENERAL INFORMATION

Useful Links
Voting System Test Laboratory Program Manual
Voting System Testing & Certification Manual
Frequently Asked Questions (FAQ)
EAC Blog, Twitter and YouTube

Election calendar
EAC map

Subscription Status
Email rsargent@eac.gov to change your subscription status.

TECHNICAL UPDATES

Tabulating Election Results in the United States
EAC has received numerous calls from voters concerned about how tabulation works in the United States. The United States does not have a national Election Code that governs the tabulation and publication of all election results, although general provisions of the U.S. Constitution apply and, in limited circumstatces, so do a few federal laws. Read more...

Automated Source Code Analysis Tools
EAC is committed to lowering the cost and reducing the time needed to complete certification testing. Therfore, effective immediately, the EAC supports the use of automated tools whenever possible to assess conformance to the coding convention specified with the 2005 VVSG and other industry accepted coding standards. Read more...

TECHNICAL UPDATES

Conformity Assessment Testing
Read this article to find out more about how EAC conducts conformity assessment testing for voting systems, a process EAC calls the Voting System Testing and Certification Program.

Voting System Reports Collection
As part of EAC's clearinghouse responsibilities under Section 202 of the Help America Vote Act, the commission adopted a policy authorizing staff to post and distribute voting system reports and studies that have been conducted or commissioned by a state or local government. EAC encourages state and local governments to submit their voting system reports and studies so they may be shared with the broader election community and the public. View the reports and studies here.

ITIF Accessible Voting Technology Initiative
In 2011, EAC awarded $7,000,000 to support research on technologies and approaches to meet the challenge of making voting accessible for all eligible voters. Grants were awarded to Clemson University and the Information Technology and Innovation Foundation (ITIF). EAC continues to work with the grantees and monitor their progress and is taking this opportunity to help spread the word about the ITIF call for proposals, made possible by the EAC grant. Read more...

IEEE Voting Systems Electronic Data Interchange Project 1622
The IEEE finalizes 1622 -2011 Standard for Electronic Distribution of Blank Ballots for Voting Systems. The standard was developed to satisfy needs of the Uniformed and Overseas Citizens Absentee Voting Act (UOCAVA) and Military and Overseas Voter Empowerment (MOVE) Act. This standard defines common data formats to allow export for blank ballots from voting systems. You can access one free copy of IEEE Standard 1622-2011 here.

Quality Monitoring Program
EAC's Quality Monitoring Program is designed to ensure that voting systems certified by EAC are the same systems sold by manufacturers. The quality monitoring process is a mandatory part of the program and includes elements such as fielded voting system review, anomaly reporting, and manufacturing site visits. The system advisory alerts include recommended procedures, possible root causes and contact information for those jurisdictions with additional questions.

Election Officials can report voting system anomalies to the EAC utilizing the Voting System Anomaly Reporting Web Form.

Requests for Interpretations (RFI)
To view all of the RFIs published by the EAC, please visit the Request for Interpretations section of the Certification Program Web site.

RFI 2012-02 EAC Decision on Transmission of Results (Official and Unofficial Results)

RFI 2012-03 EAC Decision on Configuration Management of COTS Products

Notice of Clarifications (NOC)
To view all of the NOCs published by the EAC, please visit the Notice of Clarifications section of the Certification Program Web site.

NOC 2012-02 Clarification of System Identification Tool Functionality

VOTING SYSTEM STATUS REPORT: ACTIVE

Manufacturer	Voting System NAME VERSION	Testing STANDARD	VSTL	Testing APPLICATION	Test Plans STATUS CURRENT VERSION	Test Reports STATUS CURRENT VERSION	Certification Status
Dominion	Sequoia WinEDS 4.0	2002 VSS	SLI Global	08/09/2007	Approved Ver. 1.3 08/23/2011	Draft Ver. 3.0 12/21/2011	Currently under testing
Dominion	Premier Assure 1.3 (Modification)	2005 VVSG	SLI Global	11/14/2011	Approved Rev. 1.6 04/27/2012	Final Rev. 1.3 05/18/2012	Currently under testing
Dominion	DemSuite 4.9 (Modification)	2005 VVSG	Wyle	05/18/2012	n/a	n/a	Currently under testing
ES&S	Unity 3.4.0.0 (Modification)	2005 VVSG	Wyle	07/21/2011	Draft Rev. B 05/07/2012	n/a	Currently under testing
ES&S	EVS 5.0.0.0	2005 VVSG	Wyle	11/30/2011	Draft Rev. A 05/09/2012	n/a	Currently under testing

VOTING SYSTEMS STATUS REPORT: CERTIFIED

MANUFACTURER	VOTING SYSTEM NAME VERSION	TESTING STANDARD	VSTL	TESTING APPLICATION	TEST PLANS STATUS CURRENT VERSION DATE	TEST REPORTS STATUS CURRENT VERSION DATE	CERTIFICATION STATUS
Dominion	Democracy Suite 4.0	2005 VVSG	Wyle	04/19/2010	Final Rev. D 12/06/2011	Final Rev. A 05/10/2012	**Certified Voting System** Final Decision 05/10/2012 Certification of Conformance Initial Decision on Certification made on 05/09/2012
ES&S	Unity 3.2.1.0 Previously Unity 3.0.1.0 & Unity 3.0.1.1 v. ATS 1.3	2002 VSS	Wyle	06/12/2007 Revised 08/17/2009	Approved Rev. B 02/28/2011	Final Rev. A 03/10/2011	**Certified Voting System** Final Decision 03/29/2011 Certification of Conformance Initial Decision on Certification made on 03/22/2011
ES&S	Unity 3.2.0.0 Rev. 3 (Modification)	2005 VVSG	Wyle	01/20/2012	Final Rev B 03/27/2012	Final Rev. A 05/08/2012	**Certified Voting System** Final Decision 05/16/2012 Certification of Conformance Initial Decision on Certification made on 05/10/2012
ES&S	Unity 3.2.0.0 Rev. 1 (Modification)	2005 VVSG & 2002 VSS	iBeta	06/22/2010	Final Ver. 4.0 09/23/2010	Final Ver. 4.0 10/12/2010	**Certified Voting System** Final Decision 08/24/2010 Certification of Conformance Initial Decision on Certification made on 07/22/2010
ES&S	Unity 3.2.0.0	2002 VSS	iBeta	03/19/2007	Final Ver. 2.0 (iBeta) 04/03/2009	Final Ver. 4.0 07/22/2009	**Certified Voting System** Final Decision 07/21/2009 Certification of Conformance Initial Decision on Certification made on 07/20/2009
ES&S/Dominion (Premier)	Assure 1.2	2002 VSS	iBeta	04/05/2007	Final Ver. 2.0 (iBeta) 04/06/2009	Final Ver. 3.0 08/06/2009	**Certified Voting System** Final Decision 08/06/2009 Certification of Conformance Initial Decision on Certification made on 08/03/2009
MicroVote	EMS Ver. 4.0B (Modification)	2005 VVSG	Wyle	06/23/2009	Final Modification 09/08/2009	Final Rev. C 06/21/2010	**Certified Voting System** Final Decision 08/17/2010 Certification of Conformance Initial Decision on Certification made on 08/12/2010
MicroVote	EMS Ver. 4.0	2005 VVSG	iBeta	07/17/2007	Final Ver. 3.0 updated version 4.0 submitted with Test Report V.4.0 12/19/2008	Final Ver. 5.0 03/02/2009	**Certified Voting System** Final Decision 02/06/2009 Certification of Conformance Initial Decision on Certification made on 12/31/2008
Unisyn	OpenElect 1.1 (Modification)	2005 VVSG	Wyle	07/18/2011	Fianl Rev. A 11/17/2011	Final Rev. A 03/16/2012	**Certified Voting System** Final Decision 04/09/2012 Certification of Conformance Initial Decision on Certification made on 04/04/2012
Unisyn	OpenElect 1.0.1 (Modification)	2005 VVSG	Wyle	03/24/2011	Final Rev. A 04/15/2011	Final Rev. A 06/21/2011	**Certified Voting System** Final Decision 07/21/2011 Certification of Conformance Initial Decision on Certification made on 06/28/2011
Unisyn	OpenElect 1.0	2005 VVSG	Wyle	06/03/2008	Final Rev. B 07/23/2009	Final Rev. B 01/14/2010	**Certified Voting System** Final Decision 01/13/2010 Certification of Conformance Initial Decision on Certification made on 01/12/2010