VOTING SYSTEM

TESTING AND CERTIFICATION

PROGRAM E-NEWSLETTER

PROGRAM DIRECTOR'S NOTE

On September 23, 2011, the Kennesaw State University Center for Election Systems hosted a one-day meeting of State and Federal voting system certification authorities. The purpose of the meeting was to allow state voting system testers, test lab personnel and state and federal election officials to share best practices on strategies and methods to improve the effectiveness and decrease the cost of voting system testing. Along with EAC Certification Division staff and representatives from Wyle Laboratories, State representatives of Georgia, Indiana, Ohio, Florida, Texas, Colorado, North Carolina, Tennessee, Pennsylvania and Arizona attended the meeting.

Attendees shared experiences on the development of testing protocols, reciprocity of testing results between Federal and State certification programs, potential areas for integrating state and federal testing requirements, emerging technologies to assist in testing, improving vendor participation, bootstrapping a new testing program, working with VSTLs, and other topics of common interest.

Attendees are looking towards the development of a State requirements matrix that will be integrated with the Federal testing requirements matrix to see where testing might currently overlap, and to begin to design Federal test campaigns to more specifically meet the needs of individual States in order to realize cost savings. Due to the overwhelmingly favorable response to this meeting, tentative plans are underway to hold a 2012 meeting with more broad-based participation at Ball State University.

Kudos to Merle King, Michael Barnes and the staff of the Center for Elections for a job well done!

- Brian Hancock

PROGRAM UPDATES

GENERAL INFORMATION

News & Update Center
Visit the EAC's News Center for the latest information about the Commission and all of its programs and activities.

EAC is on Twitter! View program update tweets here.

Visit the EAC Blog! The blog is dedicated to sharing useful, innovative and practical information about voting and elections.

Visit YouTube for an overview video of EAC's Testing and Certification Program.

Useful Links
Voting System Test Laboratory Program Manual
Voting System Testing & Certification Manual
Testing & Certification Correspondence
Frequently Asked Questions (FAQ)

Election Resource Library
Make sure to visit the Election Resource Library for the latest test plans, test reports, and reports of state voting systems.

Voting Systems Map (UPDATED)
EAC map shows where federally certified voting systems are used. New EAC-certified systems locations have been added. The map indicators have been removed for Premier Assure 1.2 in Iowa and Florida. See Dominion's letter to EAC for details. For questions about this map, including how to use it, visit our Voting Systems Map FAQ.

EAC Staffer Making a Difference
EAC's Joshua Franklin was recently profiled in the New Face of Government, a Federal News Radio special report about how young people are changing the federal government. Highlights include Joshua's role as a computer engineer at EAC as well as his contributions to EAC's social media efforts and his work to create visuals to explain components of the Voting System Testing and Certification Program.

***Modern Democracy* Magazine**
EAC Fosters Election Modernization and Improvement

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TECHNICAL UPDATES

Web Forms for Manufacturers
EAC has launched new web forms which are now available for use: Manufacturer Registration and Application for System Testing. Please use these forms when registering or applying.

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. View the reports and studies here.

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.

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.

IEEE Seeks Comments on Draft Standard
The IEEE 1622 Working Group is accepting public comments for its draft Standard for Voting Equipment Electronic Data Interchange. Learn more.

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.

A Survey of Internet Voting
The EAC Certification Division has released the technical report "A Survey of Internet Voting," a comprehensive review of Internet voting systems used in elections worldwide between 2000 and 2011. EAC staff conducted the study to assist in the development of electronic absentee voting guidelines, specifically to assist the Commission's efforts to identify technologies that could improve services for military and overseas voters and voters with disabilities.

TGDC work on Voting Systems Guidelines
The Technical Guidelines Development Committee (TGDC) assists EAC in developing the Voluntary Voting System Guidelines. The TGDC met July 26-27 at NIST. Watch the webcast, read the agenda and get more information here.

Voting System Test Laboratory Program Manual
EAC is soliciting comments on version 1.0 of the EAC Voting System Test Laboratory Program Manual. The comment period ends October 17, 2011. View instructions for submitting comments here.

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	n/a	Currently under testing
Dominion	Democracy Suite 4.0	2005 VVSG	Wyle	04/19/2010	Draft Rev. A 09/26/2011	n/a	Currently under testing Certification Testing Timeline
ES&S	Unity 5.0.0.0	2005 VVSG	Wyle	02/18/2010	Approved Rev. D 06/06/2011	n/a	Currently under testing Certification Testing Timeline
ES&S	Unity 3.2.0.0 Rev. 2 (Modification)	2005 VVSG	Wyle	04/15/2011	Approved Rev. A 05/10/2011	Draft Rev. A 05/31/2011	Currently under testing
ES&S	Unity 3.3.0.0 (Modification)	2005 VVSG	Wyle	05/20/2011	Draft Rev. B 10/03/2011	n/a	n/a
ES&S	Unity 3.4.0.0 (Modification)	2005 VVSG	Wyle	07/29/2011	Draft Rev A 09/30/2011	n/a	n/a
ES&S	Unity 3.2.1.0 Rev. 1 (Modification)	2005 VVSG	Wyle	07/29/2011	n/a	n/a	n/a
Precise	AEVS Ver. 1.0	2005 VVSG	Wyle	05/20/2011	n/a	n/a	n/a
Unisyn	OpenElect v. 1.1	2005 VVSG	Wyle	07/18/2011	n/a	n/a	n/a

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
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
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. 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
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

TECHNICAL UPDATES CONT...

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. EAC has issued two system advisories for the Unity 3.2.1.0. The advisory alerts include recommended procedures, possible root causes and contact information for those jurisdictions with additional questions. See all System Advisory Notices that EAC has issued.

Election Officials may now use the new Voting System Anomaly Reporting Web Form to report voting system anomalies to the EAC.

EAC Initiates Formal Investigation Into ES&S Unity 3.2.0.0 Voting System. See the Formal Investigation Anomaly Status chart that depicts the status of four anomalies. Election Officials should continue to follow EAC's recommended workarounds. See the correspondence and timeline for more information.