Voting Systems Testing Summit 2005

Sacramento, CA

Hosted by California Secretary of State Bruce McPherson

MONDAY – NOVEMBER 28, 2005

Summit Moderator:
John A. Pérez, Chairman, Voting Modernization Board

12:00 – 1:00 pm　　**Registration**

Welcome: California Secretary of State Bruce McPherson

1:00 – 2:15 pm　　**SESSION 1 - The Federal Role – Where Things Stand Today and Where They're Headed, HAVA and Voting Systems, Accessibility**

Panelists:
- Donetta Davidson, Commissioner, Election Assistance Commission
- Paul DeGregorio (Vice Chair), Election Assistance Commission
- Brian Hancock, Election Assistance Commission
- Sandy Steinbach, Chair, NASED Voting Systems Board and Director of Elections, Iowa Secretary of State

Topics for Discussion:
1. EAC, NASED, Federal Election Commission, US DOJ - Roles and Relationships
2. General overview of the Process as it Stands Today
3. Historical Perspective on Testing
4. Voting System Standards
    a. 1990 and 2002 Standards
    b. Federal Voluntary System Standards
    c. What do the numbers mean (software, firmware, certification numbers)
5. Systems to Meet Disabled Accessibility and Language Mandates
6. Notifying Voters of Errors/Overvotes

2:15 – 2:30 pm	**BREAK**

2:30 – 4:00 pm   **SESSION 2 - Demystifying the ITA's**

Invited Panelists are representatives from:
- Systest – Brian Phillips, President
- Wyle Laboratories – Wendy Owens

Topics for Discussion:
1. Who are these Entities?
2. How Do they Qualify?
3. What Do they Test?
4. What Do they Look For in Hardware, Firmware, Software?
5. How Do they Develop Test Plans?
6. What Parts of Systems are Certified?
7. Can States or Vendors Help Speed Up the Process and Still Protect the Integrity of the Vote?
8. Are Vendors Present while Tests Are Being Performed?
9. What Information Can Be Shared with States?
10. Who Pays for the Tests?
11. What Restrictions are Placed on All Involved?
12. Future Directions?

4:00 – 5:00 pm   **SESSION 3 - NIST (National Institute of Standards and Technology)**

Panelist:
- Barbara Guttman, Manager, Interoperability Group, NIST Information Technology Lab

Topics for Discussion:
1. Report on Threat Analysis Workshop of 10/5/05
2. NIST's Research Program
3. Comparing Tested Products with Marketed Ones
4. New Directions? New Roles?

Recess for the day

TUESDAY, NOVEMBER 29, 2005

Summit Moderator:
John A. Pérez, Chairman, Voting Modernization Board

7:30 – 8:30 am   **Registration and Continental Breakfast**

8:30 – 10:00 am   **SESSION 4 -   State Panel on What Happens Now**

Panelists: **(Session 4)**
- Paul Craft, Florida Secretary of State's Office
- Nick Handy, Washington Secretary of State's Office
- Connie Schmidt, Former Election Commissioner, Johnson County, Kansas and Past Member, NASED Voting Systems Standard Board
- Dr. Brit Williams, NASED Board Member and Chair, NASED Voting System Board Technical Committee (Georgia)

Topics for Discussion:
1. Current Practices in the States
2. What Testing Resources are Available?
3. State Certification Philosophies and Practices
4. How Testing is Funded
5. How Can Test Processes and Results be Shared?
6. Are Standards Getting Increasingly Tougher? Should They?

10:00 – 10:15 am   **BREAK**

10:15 – 11:45 am   **SESSION 5: Designing the Best Tests**

Panelists:
- Stephen Berger, IEEE Representative to US EAC Technical Guidelines Committee
- Steven V. Freeman, Member, NASED Technical Committee
- Roy G. Saltman, Consultant and Author, formerly of NIST
- Jocelyn Whitney, R&G Consultants

Topics for Discussion:
1. Are Volume Tests Useful; What Quantity is Enough?
2. Who Writes the Test Scripts and On What Are they Based?
3. What Are Acceptable Pass/Fail Standards?
4. Should Different Tests Be Applied to Different Types of Voting Systems?
5. Are Parallel Testing Programs a Good Idea? What Do They Prove?

11:45-12:00 pm   **BREAK**

12:00 – 1:15 pm	**LUNCHEON AND KEYNOTE SPEAKER**

Evaluating the Usability of Six Voting Systems and Voters' Abilities to Cast Their Ballots As Intended
Paul S. Herrnson, Director, Center for American Politics and Citizenship; Professor, Government and Politics, University of Maryland

1:15 – 2:30 pm   **SESSION 6 - Security/Paper Trails/Accountability**

Panelists:
- Kim Alexander, President and Founder, California Voter Foundation
- Michael Alvarez, CalTech/MIT Voting Technology Project
- Dr. Henry Brady, Director, Survey Research Center, University of California, Berkeley
- Prof. David L. Dill, Professor of Computer Science, Stanford University
- Dr. Aviel (Avi) D. Rubin, Professor of Computer Science and Technical Director of Information Security Institute, Johns Hopkins University
- Dr. Michael Shamos, Co-Director, Institute for eCommerce and Director, Center for :Privacy Technology, Carnegie Mellon University (PA)

Topics for Discussion:
1. Evaluating Security – How to Do It Best
2. Recovery Process/Contingency Plans
3. Source Code – How Much Should Be Reviewed? By Whom?
4. Standards for AVVPAT
5. For What Purpose Should AVVPATs Be Used?

2:30 – 3:15 pm   **SESSION 7 - Vendors**

Panelists:
- Diebold – Ian Piper
- ES&S – Ken Carbullido, Senior VP of Product Development
- Hart Intercivic – Scott Hunsaker, General Manager
- Sequoia Voting Systems – Howard Cramer

Topics for Discussion:
1. Is State Certification Necessary or Is Federal Testing Sufficient?
2. How to Resolve Errors When Discovered During Federal and/or State Testing

3:15 – 3:30 pm   **BREAK**

3:30 – 4:45 pm	**SESSION 8 - Best State Practices**

Panelists:
- Doug Chapin, Director, electionline.org
- Jim Dolbear, Director of the Voting Systems Institute
- Dr. David Jefferson, California Voting Systems Technical Assessment and Advisory Board Chair
- Tom Wilkey, Executive Director, Election Assistance Commission

Topics for Discussion:
1. What Have We Learned from these Discussions?
2. Where Do We Go from Here?
3. Writing the Best Practices Blueprint
4. Will Your Procedures Change Based on this Summit?
5. How to Leverage the Input of Activists to Protect/Assist in the Process

4:45 – 5:00 pm	**Wrap-Up/Close – John A. Pérez**

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ADDENDUM TO PROGRAM

Session 2 – Demystifying the A's
The Session will now end at 3:30 pm – not 4:00 pm

SPECIAL SESSION ADDED!
A session has been added to the Monday program as follows:

3:30 pm – 4:00 pm - A Vision for Testing Election Systems in a HAVA World
      Presenter: Eric Lazarus, President, DecisionSmith

Speaker Titles and Designations:

Guttman, Barbara	Manager, Interoperability Group, NIST Information Technology Lab
Williams, Dr. Brit	NASED Board Member and Chair, NASED Voting System Board Technical Committee (Georgia)
Schmidt, Connie	Former Election Commissioner, Johnson County, Kansas,. And Past Member, NASED Voting Systems Standard Board
Freeman, Steve	Member, NASED Technical Committee
Berger, Stephen	IEEE Representative to US EAC Technical Guidelines Committee
Whitney, Jocelyn	R&G Consultants
Dill, David	Professor of Computer Science, Stanford University
Rubin, Dr. Aviel	Professor of Computer Science and Technical Director of Information Security Institute, Johns Hopkins University (MD)
Brady, Dr. Henry	Director, Survey Research Center, University of California, Berkeley
Shamos, Dr. Michael	Co-Director, Institute for eCommerce and Director, Center for Privacy Technology, Carnegie Mellon University (PA)
Alexander, Kim	President and Founder, California Voter Foundation
Chapin, Doug	Director, electiononline.org
Jefferson, David	California Voting Systems Technical Assessment and Advisory Board Chair