NI ST Voting Program Activities Update

December 4, 2006

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Activities Since 3/29 TGDC Meeting

- Continued development of VVSG 2007
- Improved access and coordination with TGDC
- Other coordination and research
- Interactions with Congress
Technical Guidelines Development Committee Meeting
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VVSG 2007 R & D

- **HFP**
  - Usability performance benchmarks and updates to usability requirements
  - Updates to accessibility requirements
  - Other areas: alternative languages, documentation, plain language, timing

- **CRT**
  - COTS and testing issues
  - MTBF, reliability, accuracy
  - Coding conventions
  - Quality issues

- **STS**
  - Software Independence and DRE security issues
  - Software IV and End-to-end cryptographic systems
  - Voter-verified paper records issues and requirements
  - Wireless
  - Setup validation
  - Other core security areas: access control, audit, crypto, physical, setup validation
Coordination with TGDC

- Revamped TGDC site
  - Improved usability, navigation
  - Included project mgmt information
  - Included resolution tracking matrix, updated regularly

- NIST-TGDC work coordination
  - 47 telecons since last March
  - Prepared discussion papers, draft material
  - Numerous individual discussions, STS meeting in Boston

- VVSG 2007 draft builds
  - Development of VVSG 2007 structure, style, format
  - Began building monthly drafts
  - Used VVSG format and requirements tables, etc.
Meetings

- Monthly meetings with EAC
- Monthly meetings with vendors via ITAA
- Liaison with members from EAC’s Standards Board
- Meetings and coordination with other researchers
- Talks at conferences, e.g., Election Center, NASS/Nased
- Visits with election officials
- Observing and volunteering at elections
Congressional Interactions

- Dr. Jeffrey testified before the House of Representatives Committee on House Administration and Committee on Science
- Mark Skall and EAC Commissioners spoke at a Voting Town Meeting hosted by Congresswoman Millender-McDonald
Resolution Matrix

- Asked by TGDC to provide mapping from resolutions to draft material
- Developed extensive spreadsheet, regularly updated
- See http://vote.nist.gov/TGDC/TGDCMatrixTasks.htm
Meeting Agenda

- 3 hours to discuss STS key issues - 12/4
- 3 Hours to discuss CRT key issues - 12/4-5
- 2 Hours to discuss HFP Key issues - 12/5
- 2 Hours for Resolutions - 12/5
  - Resolutions can, of course, be made at any time
  - Reserve time tomorrow for issues needing further reflection and perhaps drafting of precise wording
Strategy for Presentations

- Brief high level summaries
- Discussion of key issues
  - Focus on contentious issues
  - Need consensus to provide direction for future research
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Today’s Presentations

- Security and Transparency Committee
  - Software Independence
    - Software IV, End-to-End Systems
    - Innovation Class
  - Audit, Wireless, Setup Validation, Other security issues

- Core Requirements and Testing
  - Quality Assurance
  - Reliability and MTBF
  - Testing (including COTS)
  - Coding Conventions
Tomorrow’s Presentations

- Core Requirements and Testing (continued)
  - Quality Assurance
  - Reliability and MTBF
  - Testing (including COTS)
  - Coding Conventions

- Human Factors and Privacy
  - Usability
  - Accessibility