

**Technical Guidelines Development Committee Meeting
December 4 and 5, 2006**

NIST 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

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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

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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.

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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>

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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