



United States
Election Assistance Commission

VVSG 1.1

Technical Guidelines Development Committee (TGDC)

NIST

July 20, 2015

Gaithersburg, MD

Background on VVSG

- 2005 VVSG (1.0)
- The revision to the 2005 VVSG (1.1)
- The next iteration of the VVSG (2.0)

2005 VVSG (1.0)

- 2005 VVSG was adopted by the EAC in December of 2005 as required by the Help America Vote Act (HAVA)
- Refer to it as 1.0.
- December 2007 - voting systems could no longer be approved for testing to the 2002 VSS and the 2005 VVSG (1.0) was fully implemented.

VVSG 1.1

- Revisions to the 2005 VVSG
- The purpose of revision?
 - Clarify the guidelines to make them more testable;
 - Enable NIST to create test assertions;
 - Update portions of VVSG without dramatically altering the guidelines.

2007 VVSG – “Next Iteration” (2.0)

- Was the next iteration of the VVSG
- Draft created by the EAC’s Technical Guidelines Development Committee (TGDC) in August of 2007
- Refer to it as 2.0

Revising 2005 VVSG

- Human factors requirements;
- Security (VVPAT, Electronic records, Cryptography, System security specifications and external interface);
- Core requirements (S/W workmanship, reliability, accuracy, and humidity);
- Incorporate RFIs issued on the 2005 VVSG during test campaigns;
- and two public comment periods with a combined review period of 250 days.

First Comment Period

- 120 days – 6/1/2009 through 9/28/2009
- Received 244 public comments
- 159 accepted
- 78 not accepted

Changes Prior to Second Comment Period

- Telecommunications
- Remove references to NSRL
- Software Validation
- Access Control
- Quality Assurance and Configuration Management
- Coding Conventions
- Required Languages
- Audit and Election Logging
- All relevant RFIs

Second Comment Period

- 130 days – 9/6/2012 through 1/14/2013
- Received 706 public comments
- 178 accepted
- 157 not accepted
- 367 not highlighted/not open for comment

Changes from Second Public Comment Period

- Definitions added to glossary;
- Reliability validation added to Appendix C in Volume II;
- Updated references and links throughout the document;
- Clarifications of specific HW, SW, Accessibility and Security requirements;
- Numbering scheme corrected;
- Clean up grammatical errors;
- Formatting cleaned up

Implementation Plan

- After Commissioner approval, VVSG 1.1 is immediately available for testing and certifying voting systems.
- By October, the Commissioners will identify the timeline for transitioning fully from the 2005 VVSG to VVSG 1.1.
- **Modifications** to systems certified to the 2005 VVSG can still be submitted for testing and certification to the 2005 VVSG **after** the transition to VVSG 1.1.



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