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.
• 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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