

Core Requirements and Testing
(Part 2)
Status Report

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Technical Guidelines Development Committee

March 29, 2006 Plenary Meeting

Contents

- Electrical/RF Requirements
- Performance Requirements and Workmanship Requirements
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Electrical and Radio Frequency Requirements

- We are updating these requirements
 - to reflect the latest available information
 - to reference applicable standards, rather than repeating or excerpting text from those standards
 - to clearly separate requirements from testing specifications
 - to distinguish between requirements unique to a voting device and requirements of any electrical device (e.g., FCC Part 15)

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Performance and Workmanship Requirements

- We went through the EAC VVSG 2005 public review document to extract and analyze relevant comments
- Based on this analysis, we made revisions
 - e.g., we removed Availability requirements
- We moved many requirements to Cast, Count, and Report

Quality Assurance and Configuration Management

- Identified as an issue by TGDC Resolution #30-05
- Current text provides general goals and good practices, but is mostly not specific to voting systems
- We would like to have more explicit, more testable requirements

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Future Work

- Finalize Performance Requirements and Workmanship Requirements
 - resolve remaining open questions
 - complete revision of Electrical/RF requirements
 - create single CRT document via merge with DWF draft
 - continue to add informative text
 - integrate with STS and HFP

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Future Work (cont.)

- Resolve the Reliability requirement issue
 - “The MTBF of voting systems shall be at least 163 hours in duration”
 - should this number be increased? To what?

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Future Work (cont.)

- Develop new requirements for Quality Assurance and Configuration Management
 - adopt a published standard, e.g., ISO 9000 series?
 - adopt the ideas within published standards?
 - what does the EAC want to do?
- Develop Draft Standards on Data to be Provided
- Develop Draft Testing Standard

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Discussion