NIST Voting Program Activities Update

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Technical Guidelines Development Committee
May 21-22, 2007, Plenary Meeting

Overview

- Activities since 3/22-23 TGDC meeting
  - Continued research and drafting of VVSG
  - Coordination with the TGDC

- Agenda and aims of this meeting
  - Meeting focus
  - Meeting strategy and agenda

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Next VVSG R&D

- HFP
    - Continued research in usability performance benchmarks
    - Continued Updates to usability and accessibility requirements
    - Broadening readback requirement language

- CRT
    - Reliability and accuracy benchmarks research
    - Final updates to EMC and quality requirements

- STS
    - Updates to access control, audit, cryptography, electronic & paper records, setup validation, logging,
    - New material: communications requirements, documentation, physical security, system integrity mgmt
    - Revisiting externally networked epollbooks while activating the ballot
    - Continued discussion of OEVT white paper

Coordination with TGDC

- NIST-TGDC work coordination
  - 23 telecons last March 22-23 TGDC meeting
  - Revisions and updates to much draft material
  - Numerous individual discussions

- VVSG May draft build
  - Over 750 pages, formatted
  - By and large, the VVSG is complete:
    – Waiting for usability performance benchmarks
    – Some material needs to be harmonized with previously written material
    – Some introductory and overview material needs to be added
    – Final technical editing and formatting will require 3 weeks at least

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Aims of This Meeting

- Final TGDC meeting before VVSG delivery to EAC
- NIST needs approval NOW for most material

- Overall aims, therefore, are
    - To approve material and give final editing instructions to NIST
    - Discuss and decide upon how to approve remaining new material

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Strategy for Presentations

- Day 1: Subcommittee presentations:
    - Summaries of all material by each subcommittee
    - Discussion of new or updated material
    - Final approval discussions and resolution

- Day 2: Presentations continued and next steps:
    - Future telecons for discussing and approving remaining material
    - Steps towards delivery of the draft VVSG to the EAC

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Today's Presentations

- **Overview of the draft VVSG and final editing issues**

- **Core Requirements and Testing:**
  - Summary overview
  - Benchmarks
  - Review of CRT Changes from the Previous VVSG Draft
  - Vote to approve CRT section

- **Human Factors and Privacy:**
  - Summary overview
  - Review of HFP Changes from the Previous VVSG Draft
  - Proposed change to resolution 01-07 requirement text
  - Update on usability performance benchmark numbers
  - Vote to approve HFP material

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Tomorrow's Presentations

- **Security and Transparency Committee:**
  - Summary overview
  - Epollbooks and external connectivity
  - Review of STS Changes from the Previous VVSG Draft
  - New material – Communications, Documentation, Physical security, System Integrity Mgmt
  - Vote to approve STS material

- **Next steps discussion:**
  - Final editing instructions
  - Future subcommittee telecons