Technical Guidelines Development Committee Meeting
September 16, 2016
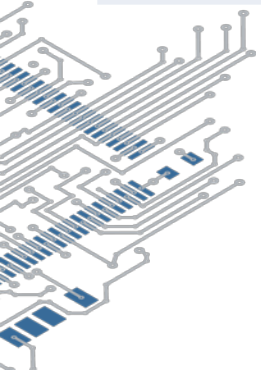
Testing and Certification Update

Testing & Certification
2006 **10** 2016
Anniversary

2016 Certifications

Manufacturer	System	Certification Date
Hart Intercivic	Verity Voting 2.0 (Mod)	4/27/16
Election Systems & Software (ES&S)	EVS 5.2.0.4 (Mod)	4/27/16
ES&S	EVS 5.2.1.1 (Mod)	7/15/16
ES&S	Unity 3.4.14. (Mod)	8/26/16

Systems Under Test

Voting System	VSTL	Mfg.	Application Date	Pre-TP	Test Plan	Testing	Test Report	Final Cert Process
Clear Vote 1.4	PRO V&V	Clear Ballot	05/04/2016	■				
Democracy Suite 5.0	PRO V&V	Dominion	05/06/2016		■			
EVS 5.4.0.0 (Modification)	NTS	ES&S	02/23/2015			■		
Verity Voting 2.2 (Modification)	SLI Global	Hart InterCivic	09/07/2016	■				
EMS 4.2 (Modification)	PRO V&V	Microvote	02/19/2016		■			
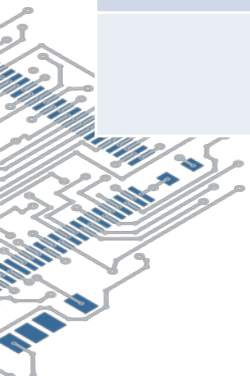
Additional Division Activities

- VVSG Working Group activities
- Federal Cyber Security Working Group participation.
- Work with NVLAP to draft revised NIST Handbook 150-22 (VSTLs)
- Preparation for EAC laboratory audits following NVLAP VSTL audits.
- Manufacturing facility audits and QA audits
- Meetings with manufacturers and test labs
- Review of RFPs & other documents for State and local EOs.
- State requirements mapping
- EAC social media

Future Developments

Development of proficiency testing for VSTLs.

– These tests will serve as a means for measuring an individual VSTL's ability to test various VVSG requirements and will serve to improve testing consistency between all labs. Plan to begin implementation sometime in 2017.

Component testing.

– Assumes existence and adoption of sufficient common data format modules & likely the ongoing need (and market) for some end-to-end testing as currently done.

– Several certification options:

- Component Conformance testing and certification. (No EAC certified "system" as we know it today)
- System integration testing on previously certified components to create system configuration.
- Hybrid approach with potential for manufacturer declaration of conformity on some or all components and EAC tests and certifies system configuration.
- Other options??
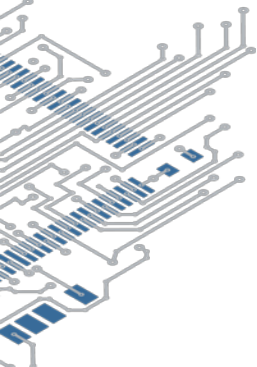
Future Developments

Pilot Program for Manufacturer Declaration of Conformity (DoC).

- Process would include testing by manufacturer at an ISO Guide 17025-accredited laboratory. The manufacturer would maintain a file containing all test results and product documentation. Along with the documentation file, the manufacturer creates the Declaration of Conformity submitted to the EAC stating that all information in the documentation packet is accurate and up to date.

- Potential VVSG 1.1 Section 8 QA & CM, others? EAC would have the ability to do audits at any time.

- Potential requirement for manufacturer to be ISO 9001 accredited to participate in this process.

- Program implementation may coincide with full VVSG 1.1 testing in July 2017.
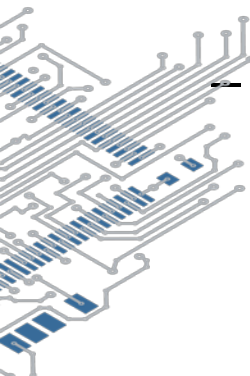
Questons?

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