

Testing & Certification Program Updates

Technical Guidelines Development Committee October 13, 2021

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VVSG 2.0 Implementation Tasks



Timeline	FEB 21	MAR 21	APR 21	MAY 21	JUN 21	JUL21	AUG 21	SEP 21	OCT 21	NOV 21	DEC 21	
Tasks												
NIST NVLAP Update • Update to 150-22 handbook												
 Updated assessor checklist Lab Accreditation NVLAP Accreditation EAC Accreditation 												→
 VVSG Lifecycle Policy Establish update cadence Deprecation of obsolete standards 												
 Deprecation of obsolete standards E2E Evaluation Program Establish a program for evaluating and approving E2E verifiable protocols 												

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VVSG 2.0 Test Assertion Updates



- Updated VVSG 2.0 test assertion document published in September
- Clarity provided for some requirements
- Methods were added for EMC/EMI and environmental testing
- Removed some assertions that were redundant to the requirements

Updates to Testing and Cert Manuals v3.0



- Component testing pilot program
- Vulnerability assessment and penetration testing as part of test readiness review
- Additions to manufacturer agreements:
 - Updated manufacturer definition
 - Essential patent claims disclosure
 - Ownership disclosure changes
 - Supply chain risk management and security testing

Potential EAC-NIST Efforts



- Creating vulnerability database for voting systems utilizing the NIST National Vulnerability Database (NVD)
- Establishing vulnerability and threat analysis methodology for voting system penetration testing