NIST
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NIST Voting Program Updates

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Agenda

- National Voluntary Laboratory Accreditation Program
- Cybersecurity Framework Profiles
- VVSG 2.0 Implementation Guides
- Executive Order – Voter Access

National Voluntary Laboratory Accreditation Program

- What is National Voluntary Laboratory Accreditation Program (NVLAP)?
  - A NIST program that provides third-party accreditation to testing and calibration laboratories in response to legislative actions or requests from government agencies or private-sector organizations.

  - Per HAVA, NIST uses NVLAP to recommend a list of test laboratories to be accredited by the EAC to carry out the testing to the VVSG.

- NVLAP Handbook (NIST SP 150-22) & Checklist
  - These documents were updated after the release of VVSG 2.0 and are being prepared for publication.
  - General updates include:
    - Adding penetration testing
    - Adding Interoperability testing (common data formats)
    - Strengthened test staff qualifications

- Status and next steps
  - NVLAP is ready to accept applications this month.

Cybersecurity Framework Profiles

- What are Cybersecurity Framework Profiles?
  - A tool that can help an organization to align and prioritize its cybersecurity activities with its business/mission requirements, risk tolerances, and resources.
- What's available?
  - Cybersecurity Framework Profile for the Election Infrastructure
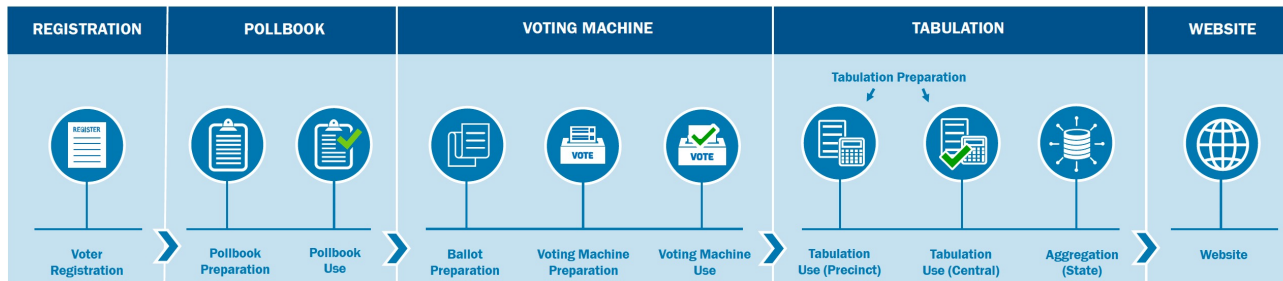
DHS-CISA Election Infrastructure and Processes Infographic

- Status and next steps
  - Election Infrastructure Profile is being prepared for final publication
  - *Next up* - Cybersecurity Framework Profile for Voter Registration

VVSG 2.0 Implementation Guides

Human factors-related

- What is included:
  - Design guidance
  - Testing guidance
- Topic areas covered:
  - Briefs on accessible voting features, plain language, User-centered design, text size/contrast, gestures and scrolling, assistive technology
  - Reporting on usability testing and user centered design by vendors
  - Number of accessible voting machines
  - Usability of voter verification
  - Legibility of summary style BMD ballots

Cybersecurity-related

- What is included:
  - Goal of related-requirements
  - Vendor implementation
  - Impact to election officials
  - Changes to election landscape
- Topic areas covered:
  - Disabling wireless
  - Airgaps
  - Auditing
  - Digital signatures
  - Identifiers
  - Multi-factor authentication
  - E2E verifiable voting systems

Executive Order (EO) 14019 – Promoting Access to Voting

- Section 7 of the EO - Tasks NIST to analyze barriers and publish recommendations on private and independent voting for people with disabilities, including access to:
  - National Mail Voter Registration Form
  - Voter registration
  - Voting technology
  - Voting by mail
  - Polling locations
  - Poll worker training
- Status and next steps
  - Publish for public comment
  - Prepare for final publication

Questions?

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