VVSG 2.0 Updates
November TGDC Meeting

Mary Brady
NIST, Voting Program Manager
November 1, 2019
Summary of Major Changes

• Included new **baseline E2E Verifiable requirements** that prepare for future E2E verifiable voting systems, which provide software independence and transparency

• Require **no wireless or internet capabilities** to limit the attack surface and protect the integrity of the election results
Summary of Major Changes

- Require the voting system follow specific guidance of **best practices for password complexity and random number generation**
- To preserve software independence, require the voting system be **unable to print in the ballot selection area** after a voter casts their ballot
- Require the voting system is configured to **prevent the deletion of logs** to preserve log integrity
Summary of Major Changes

- Require that **barcodes use a public standard** and that **packing of barcoded data is publicly documented**
- Require **MIL-STD-810H**, with some additional instructions for applicability to voting systems; identified path forward to study **dust contamination issues**
Summary of Major Changes

- Revised Requirement 5.1-A wording and discussion to clarify intended meaning of “voting method” at a higher level and use of a combination of “interaction modes” in context.
- Clarified that any features voters use for verification after casting a ballot, such as E2E receipts, must be accessible.
- Clarified scope of “common” touchscreen gestures, restricting the use of complex (multi-finger or timed) gestures.
Summary of Major Changes

- Updates to wheelchair accessibility and ADA harmonization based on US Access Board comments
- Edited 8.3 and 8.4 with consistent and parallel wording to clarify “usability test” and “reasonably easy”
- Plan for guidance for deploying ballot marking devices to support “no discrimination”
Summary of Major Changes

- Developed draft policy for **VVSG Provisional Standards** and initial discussion surrounding **Patents**