



Delaware County, Pennsylvania Hash Verification Project

The U.S. Election Assistance Commission's (EAC) [Field Services Program](#) supports state and local election officials by verifying that EAC-certified fielded voting systems are identical to those tested and certified by the EAC. As part of this effort, the EAC conducted a voluntary review of Delaware County's Hart InterCivic Verity Voting 2.7 voting system on March 13, 2025, to confirm conformance with the certified configuration and observe hash verification and security practices.

Scope of Review



Hash Verification: Hash verification confirms that the software on voting system components matches the version certified by the EAC. As part of certification, a Voting System Test Laboratory (VSTL) generates unique hash values for each component and provides them to the EAC. Jurisdictions then use these values to compare to their fielded systems. In this review, Delaware County's entire Verity Count tabulation system and all Verity Central scanner hashes were checked against the trusted values. A 5% sampling of the county's Verity Touch Writer BMD's and Verity Scan precinct scanners was also reviewed, with no discrepancies found.



Conformance with Scope of Certification: EAC staff reviewed voting system components and commercial off-the-shelf (COTS) hardware to confirm that all items in use were included in the certified system configuration. Reviewed components included;

- Verity Central Workstations (used for high speed, central ballot scanning)
- Verity Count Workstations (used for tabulating election results and generating reports)
- Verity Data and Build Workstations (used for entering contests, candidates, and building ballots)
- Verity Scan Devices (used for scanning ballots at polling sites)
- Verity Touch Writer (used as a ballot marking device)
- Related COTS peripherals (scanners and printers)



Voting System Security Observations: Delaware County implemented an innovative approach to securing and storing their USB media used in the voting system. USB drives were stored in a transparent, lockable jeweler's case, positioned to be viewable by the public and video surveillance. This allows accountability, security, and transparency of one of the integral parts of the voting system. It can also be easily and cost-effectively replicated in other jurisdictions.



Facility Security Observations: EAC staff observed physical security measures in place at the facility throughout the visit. All visitors were screened, signed physical security logs, and printed name badges were issued. Staff wore uniforms and badges to identify themselves and demonstrated a high level of attention to security protocols. Sensitive access keys and critical data storage media are restricted to top-level employees. Additionally, an armed security guard was stationed outside the voting system facility and video surveillance was in place.

Conclusions

The review found no issues affecting the security or accuracy of the Verity 2.7 system as deployed in Delaware County. All components reviewed matched the certified components and hash values from the tested equipment matched the trusted values provided by the EAC. Delaware County is successfully implementing hash verification as part of its pre-election process, reinforcing transparency and public confidence.

The EAC gives its sincerest thanks to the Pennsylvania Secretary of State's Office and the Delaware County Bureau of Elections for their partnership and support during this review. The full report, including observations and suggestions for future enhancements, is available on the [EAC Field Services Program Website](#).



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