Certification Test Report - Modification

Report Number HRT-25002-CTR-04

Hart InterCivic Verity Voting 2.7.8

Prepared for:

| Vendor Name | Hart InterCivic Inc. (Hart) |
|---------------------|---|
| Vendor System | Verity Voting 2.7.8 |
| EAC Application No. | HRT-Verity-2.7.8 |
| Vendor Address | 3800 Quick Hill Road Building 1, Suite 200 Austin, TX 78728 |

Prepared by:



SLI Compliance[®], 4720 Independence St. Wheat Ridge, CO 80033 303-422-1566

www.SLICompliance.com



Accredited by the National Institute of Standards and Technology (NIST) National Voluntary Lab Accreditation Program (NVLAP) and accredited by the Election Assistance Commission (EAC) for VSTL status.

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Revision History

| Date | Release | Author | Revision Summary |
|---------------|---------|-----------|--------------------------|
| Sept 25, 2025 | 1.0 | M. Santos | Initial release |
| Nov. 25, 2025 | 2.0 | M. Santos | Updates for EAC comments |
| Nov. 26, 2025 | 3.0 | M. Santos | Updates for EAC comments |
| Nov. 30, 2025 | 4.0 | M. Santos | Updates for EAC comments |

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Disclaimer

The Certification Test results reported herein must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Results herein relate only to the items tested.

The tests referenced in this document were performed in a controlled environment using specific systems and data sets, and results are related to the specific items tested. Actual results in other environments may vary.

Opinions and Interpretations

There are no opinions or interpretations included in this report, except as noted under Recommendations.



| 1 | Intr | oduction and Document Overview | 1 |
|----|----------------|--|----|
| | 1.1 | References | 1 |
| | 1.2 | Document Overview | 1 |
| | 1.3 | Terms and Abbreviations | 2 |
| 2 | | tem Identification | |
| _ | • | • | |
| | 2.1 | System Diagram | |
| | 2.1.1 2.1.2 | | |
| | 2.1.2 | , , , , , | |
| | 2.1.4 | | |
| | 2.1.5 | | |
| | 2.2 | System Overview | 11 |
| | 2.2.1 | • | |
| 3 | Cert | tification Test Background | 14 |
| | 3.1 | Revision History | 14 |
| | 3.2 | Implementation Statement | |
| | 3.3 | PCA - Document and Source Code Reviews | |
| | 3.4 | FCA - Functional & System Testing | 15 |
| 4 | Cert | tification Test Results Summary | |
| | | | |
| | 4.1 | Source Code Review Summary | |
| | | | |
| | 4.2 | Technical Data Package Review Summary | |
| | 4.2.1 | 1 Evaluation of TDP | |
| | 4.3 | Functional Testing Summary | 16 |
| | 4.3.1 | | |
| | | 3.1.1 Modifications | _ |
| | | 3.1.2 Security | |
| | 4. 4.3.2 | 3.1.3 General Election | |
| | _ | | |
| 5 | | ommendation | |
| A | ppendi | ix A — Requirements to Modifications | 18 |
| A | ppendi | ix B – TDP Listing | 22 |
| Aį | ppendi | ix C – Verity Voting 2.7.8 System Hashes | 26 |
| Αı | ppendi | ix D – Ancillary Products | 28 |





List of Tables

| Table 1 – Terms and Abbreviations | 2 |
|--|---|
| Table 2 – Verity Voting 2.7.8 Software and Firmware | 5 |
| Table 3 – Verity Voting 2.7.8 Workstation COTS Software and Firmware | 6 |
| Table 4 – Verity Voting 2.7.8 Device COTS Software and Firmware | 7 |
| Table 5 – Hart Verity Voting 2.7.8 Equipment | 9 |
| Table 6 – Verity Voting 2.7.8 COTS Equipment | 9 |



1 Introduction and Document Overview

SLI Compliance is submitting this report as a summary of the certification testing efforts for the **Hart Verity Voting 2.7.8** voting system, as detailed in the section System Identification, against the Election Assistance Commission Voluntary Voting System Guidelines v1.0 (EAC VVSG v1.0).

Verity Voting 2.7.8 is a modification of **Verity Voting 2.7** (which was certified by the EAC on June 7, 2022), with limited changes. The **Verity Voting 2.7.8** system was tested based on the modified system requirements, as set forth in section 4.6.2.3 of the EAC Voting System Testing and Certification Program Manual, v 3.0. The purpose of this document is to provide an overview of the certification testing effort and the findings from the testing effort for this voting system.

This effort included a review of updates made to the Technical Data Package documentation, a review of all modified source code, and testing of the **Hart Verity Voting 2.7.8** voting system. Testing consisted of the development of a test plan, managing system configurations, executing test suites of functional and system levels tests based on the system's functionality, and analysis of results.

The review and testing were performed at SLI Compliance's Wheat Ridge, Colorado facility, from August 4th through September 17th, 2025.

1.1 References

- Election Assistance Commission Voluntary Voting System Guidelines (EACVVSG v 1.0), Version 1.0, 2005.
- 2. NIST Handbook 150: 2020.
- 3. NIST Handbook and 150-22: 2021.
- 4. EAC Voting System Testing and Certification Program Manual, United States Election Assistance Commission, v 3.0.
- 5. SLI Compliance VSTL Quality System Manual, v4.4, prepared by SLI Compliance, dated July 21, 2025.

1.2 Document Overview

This document contains the following sections:

- System Identification identifies hardware and software for the Verity Voting 2.7.8 system.
- System Overview discusses the functionality of Verity Voting 2.7.8 system software and firmware.
- The Certification Test Background discusses the testing process.



- Certification Test Results Summary contains the results and analysis of the testing effort.
- Attachments:
 - Attachment A Warrant of Change Control for Verity Voting 2.7.8
 - Attachment B Attestation of Durability for Verity Voting 2.7.8
 - Attachment C Attestation of Integrity for Verity Voting 2.7.8
 - o Attachment D Attestation of Production Hardware and Software for Verity Voting 2.7.8
 - o Attachment E Trusted Build Record for Verity Voting 2.7.8
 - Attachment F Verity Voting 2.7.8 Source Code Review Summary (Proprietary)
 - o Attachment G Hart Verity Voting 2.7.8 Modification Test Plan As Run

1.3 Terms and Abbreviations

The following terms and abbreviations may be used in this document:

Table 1 – Terms and Abbreviations

| Term | Abbreviation | Description |
|--------------------------------------|--------------|---|
| Ballot Marking Device | BMD | An accessible computer-based voting system that produces a marked ballot (usually paper) that is the result of voter interaction with visual or audio prompts. |
| Compact Flash card | CF | This is a type of flash memory card in a standardized enclosure often used in voting systems to store ballotand/or vote results data. |
| Commercial Off the Shelf | COTS | Term used to designate computer software, hardwareor accessories that are ready-made and available for sale, lease, or license to the general public |
| Election Assistance Commission | EAC | An independent, bipartisan commission created bythe Help America Vote Act (HAVA) of 2002 that operates the federal government's voting system certification program. |
| Election Management System | EMS | Typically, a database management system used to enter jurisdiction information (district, precincts, languages, etc.) as well as election specific information (races, candidates, voter groups (parties),etc.). In addition, the EMS is also used to layout the ballots, download the election data to the voting devices, upload the results and produce the final results reports. |
| Functional Configuration Audit | FCA | The testing activities associated with the functional testing of the system. |



| National Instituteof Standards and Technology | NIST | A non-regulatory federal agency within the U.S. Dept.of Commerce. Its mission is to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. |
|---|-------|---|
| National Voluntary Laboratory Accreditation Program | NVLAP | A division of NIST that provides third-party accreditation to testing and calibration laboratories. |
| Physical Configuration Audit | PCA | The testing activities associated with the physical aspects of the system (hardware, documentation,builds, source code, etc.). |
| Request For Information | RFI | A means used by testing laboratories and manufacturers to request that the EAC provide an interpretation of a technical issue related to testing of voting systems. |
| Requirement Matrix | N/A | A matrix that traces the VVSG requirements to the various test modules and test methods. |
| Technical DataPackage | TDP | The data package supplied by the vendor, which includes Functional Requirements, Specifications, Enduser documentation, Procedures, System Overview, Configuration Management Plan, Quality Assurance Program, and manuals for each of the required hardware, software, firmware components of a voting system. |
| Voluntary Voting System Guidelines | VVSG | A set of specifications and requirements against which voting systems can be tested to determine if the systems provide all of the basic functionality, accessibility and security capabilities required for EAC certification. |
| Voting SystemTest Lab | VSTL | An independent testing organization accredited by NVLAP and the EAC to conduct voting system testing for EAC certification. |

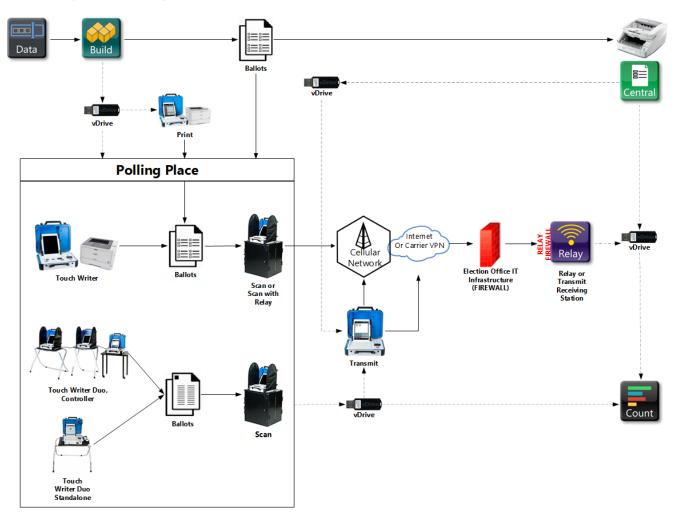


2 System Identification

This section details the scope of the **Verity Voting 2.7.8** voting system and associated components.

The **Verity Voting 2.7.8** system is composed of software applications, central count location devices and polling place devices with accompanying firmware, and COTS hardware and software.

2.1 System Diagram





Overview of the diagram:

- The components are displayed as touch points of data access, transfers, and verification.
- Dotted lines show the flow of data and air gaps using vDrives.
- Verity Print is a ballot production device that provides unmarked printed ballots.
- Verity Touch Writer and Scan may be installed in polling places to support paperbased voting.
- Verity Controller, Touch Writer Duo, Touch Writer Duo Standalone, and Scan may
 be installed inpolling places to support paper-based voting. Verity Scan may be
 used with the Scan with Relay kit to remotely transmit vDrive data from that device
 only to a Relay Receiving Station.
- Verity Transmit is used to remotely transmit vDrive data from polling place devices or Verity Central to a Transmit receiving station.
- Verity Key (not shown) is required for user access into components to load elections, to use critical features, and to generate reports. Feature access depends on the roles applied to user accounts.

2.1.1 Software and Firmware

The software and firmware employed by **Hart Verity Voting 2.7.8** consists of two types: custom and commercial off the shelf (COTS). COTS applications were verified to be pristine or were subjected to source code review for analysis of any modifications and verification of meeting the pertinent standards.

The tables below detail each application employed by the **Hart Verity Voting 2.7.8** voting system. Hashes for each **Verity Voting 2.7.8** component are located in "Appendix C – Verity Voting 2.7.8 System Hashes"

Table 2 – Verity Voting 2.7.8 Software and Firmware

| Software | Application | Version |
|--------------------------------|---|---------|
| Verity Data | EMS Software | 2.7.8 |
| Verity Build | EMS Software | 2.7.8 |
| Verity Central | High-Speed Optical Scanner Software | 2.7.8 |
| Verity Count | Central Count Location Tabulation and Report Software | 2.7.8 |
| Verity Relay Receiving Station | Data Transmission Software | 2.7.8 |
| Verity Scan with Relay | Optical Scanner Firmware with Optional Support for Verity Relay accessory | 2.7.8 |
| Verity Scan | Optical Scanner Firmware | 2.7.8 |
| Verity Touch Writer | BMD Firmware | 2.7.8 |



| Verity Touch Writer Duo | BMD Firmware | 2.7.8 |
|------------------------------------|----------------------------|-------|
| Verity Touch Writer Duo Standalone | BMD Firmware | 2.7.8 |
| Verity Controller | Firmware | 2.7.8 |
| Verity Print | BMD Firmware | 2.7.8 |
| Verity Transmit | Data Transmission Software | 2.7.8 |
| Verity Transmit Receiving Station | Data Transmission Software | 2.7.8 |

Table 3 – Verity Voting 2.7.8 Workstation COTS Software and Firmware

| Websupergoo | ABCpdf | 12.3.0.0 |
|----------------------|---|------------------------|
| Open Source | Automapper | 2.2.0.0 |
| Neodynamic ARL | Barcode Professional | 4.0.3500.19 |
| BioPDF ApS | BioPDF | 4.0.1000.16 |
| Intel | Integrated Performance Primitives | v5.0 |
| Open Source | Math.NET Numerics | 2.6.1.30 |
| Open Source | MVVMLight | 4.0.23.37706 |
| Open Source | NAudio | 1.7.3.0 |
| Open Source | NHibernate | 3.3.1.4000 |
| Open Source | OTP-Sharp | 1.0.0 |
| Open Source | OWdotNET | 0.9.0.0 |
| empira Software GmbH | PDFSharp | 1.50.5147.0 |
| Prism Software, LLC | Prism | 4.1.0.0 |
| Telerik | Reporting | 7.1.13.612 |
| Open Source | SoundTouch | 1.7.1.0 |
| Telerik | UI for WPF | 2024.4.1111.462 |
| Microsoft | Unity | 2.1.505.2 |
| Open Source | Zxing.NET | 0.16.4.0 |
| Microsoft | Windows 10 Enterprise 2019 LTSC | 10.0.17763 |
| Canon | DR-G1100 Driver | 1.0.4900 |
| Canon | DR-G1130 Driver | 1.0.4954 |
| Canon | DR-G2000 Series Driver | 1.1.11807.24001 SP2 |
| Kodak | ISIS Driver – KODAK i5200, i5600, i5800 | 1.0.2633 |



| Kodak | KODAK i5000 scanner | 1.23 |
|---------------------|---|----------------|
| NVIDIA | NVIDIA Quadro P400 drivers | 26.21.14.4112 |
| NVIDIA | NVIDIA Quadro T400 drivers | 472.47 |
| Maxim | 1-Wire Driver | 4.0.5 |
| McAfee | Application Control for Devices ("Solidifier") | 8.2.1-143 |
| Microsoft | Help Viewer | 2.3.28107 |
| Microsoft | Microsoft SQL Server Standard 2019 | 15.0.4153.1 |
| Microsoft | Visual Studio C++ 2008 Redistributablex86 | 9.0.30729 |
| Microsoft | Visual Studio C++ 2010 Redistributable x64 | 10.0.30319 |
| Microsoft | Visual Studio C++ 2010 Redistributable x86 | 10.0.30319 |
| Microsoft | Visual Studio C++ 2013 Redistributable x64 | 12.0.40664 |
| Microsoft | Visual Studio C++ 2013 Redistributable x86 | 12.0.30501 |
| Microsoft | Visual Studio C++ 2015-2019 Redistributable x64 | 14.24.28127 |
| Microsoft | Visual Studio C++ 2015-2019 Redistributable x86 | 14.24.28127 |
| OKIDATA | OKI USBDevice | 1.0.0.0 |
| OKIDATA | OKI USBDevice | 1.0.2.0 |
| IntoPrint | SP1360(PCL6) Driver | 1.0.0.0 |
| Brother | HL-6400DWVS Driver | 1.8.168.8 |
| TWAIN Working Group | Twacker 32 | 2.0.1 |
| Nuance | Nuance Western OCR, Desktop, OEM | V20 |
| Intel | Intel Graphics Driver | 31.0.101.5522T |
| HP | HP LaserJet Pro 4001 4002 4002 4004 PCL 6 | 8.00.2101.9302 |
| Realtek | Realtek High Definition Audio Driver | 6.0.9394.1 |

Table 4 – Verity Voting 2.7.8 Device COTS Software and Firmware

| Open Source | Automapper | 2.2.0.0 |
|----------------|-----------------------------------|--------------|
| Neodynamic ARL | Barcode Professional | 4.0.3500.19 |
| Bipod ApS | BioPDF | 4.0.1000.16 |
| Intel | Integrated Performance Primitives | v5.0 |
| Open Source | Math.NET Numerics | 2.6.1.30 |
| Open Source | MVVMLight | 4.0.23.37706 |
| Open Source | NAudio | 1.7.3.0 |
| Open Source | NHibernate | 3.3.1.4000 |
| Open Source | OTP-Sharp | 1.0.0 |



| Open Source | OWdotNET | 0.9.0.0 |
|---------------------|---|---------------|
| empira Software | PDFSharp | 1.50.5147.0 |
| GmbH | | |
| Prism Software, LLC | Prism | 4.1.0.0 |
| Telerik | Reporting | 7.1.13.612 |
| Open Source | SoundTouch | 1.7.1.0 |
| Microsoft | SQLite | 3.36.0 |
| Microsoft | Unity | 2.1.505.2 |
| Open Source | Zxing.NET | 0.16.4.0 |
| Microsoft | Windows 10 Enterprise 2019 LTSC | 10.0.17763 |
| ADLINK | SIO Driver | 1.2.0.0 |
| ADLINK | SMBUS Driver | 1.3.0.0 |
| Maxim | 1-Wire Driver | 4.0.5 |
| McAfee | Application Control for Devices ("Solidifier") | 8.2.1-143 |
| SQLite | SQLite | 3.36.0 |
| Microsoft | Visual Studio C++ 2010 Redistributable x86 | 10.0.40219 |
| Microsoft | Visual Studio C++ 2012 Redistributable x86 | 11.0.61033.0 |
| Microsoft | Visual Studio C++ 2013 Redistributable x86 | 12.0.40660.0 |
| Microsoft | Visual Studio C++ 2015-2019 Redistributable x86 | 14.29.30133.0 |
| PenMount Touch | PenMount Windows Universal Driver | 2.4.6.387 |
| Solutions | | |
| OKIDATA | OKI USBDevice | 1.0.0.0 |
| OKIDATA | OKI USBDevice | 1.0.2.0 |
| Seiko Instruments | SII IFD50x Driver | 2.5.0.0 |
| Nuance | Nuance Western OCR, Desktop, OEM | V20 |
| Brother | Brother Printer Setting Tool | 1.6.0075 |
| Brother | Brother PJ-723 Thermal Printer Driver | 1.8.663.1 |
| Brother | Brother HL-L6400DWVS Printer Driver | 1.8.168.8 |
| Intel | Intel Graphics Driver | 10.18.10.5069 |
| PDI | PageScan Scanner Driver | 7.1.0.7 |
| PDI | PageScan USB Scanner Driver | 4.0.0301.13 |



2.1.2 Verity Voting 2.7.8 Equipment (Hardware)

The hardware employed by **Hart Verity Voting 2.7.8** consists of two types: custom and commercial off the shelf (COTS). COTS hardware was verified to be pristine or was subjected to review for analysis of any modifications and verification of meeting the pertinent standards.

The tables below detail each device employed by the **Hart Verity Voting 2.7.8** voting system.

Table 5 – Hart Verity Voting 2.7.8 Equipment

| Hardware | Model |
|--|-----------------------------|
| Verity Controller | 3005825 / 3006085 |
| Verity Print | 3005356 / 3005856 / 3006095 |
| Verity Scan (digital scanner) | 3005350 / 3005800 / 3006080 |
| Verity Ballot Box | 3005357 |
| Verity Touch Writer (BMD) | 3005352 / 3005852 / 3006090 |
| Verity Touch Writer Duo (BMD) | 3005700 / 3006070 |
| Verity Touch Writer Duo Standalone (BMD) | 3005730 / 3006075 |
| Verity Touch Writer Duo Go | 3005905 |
| Verity Transmit | 3006065 |
| Relay Accessory kit | 3005251 |
| Verity vDrive | 2005535 |
| Verity Key | 2005361 |

Table 6 – Verity Voting 2.7.8 COTS Equipment

| Manufacturer | Hardware | Model |
|---|---------------------------|-------------------------------|
| OKIDATA (for Verity Data, Verity Build, Verity Central, Verity Count, Verity Relay Receiving Station, Verity Transmit Receiving Station, Verity Print, and Verity Touch Writer) | Ballot and Report Printer | B431d, B432dn |
| Brother (for Verity Data, Verity Build, Verity Central, Verity Count, Verity Relay Receiving Station, Verity Transmit Receiving Station, Verity Print, and Verity Touch Writer) | Ballot and Report Printer | HL-L6400DWVS, HL-EX415DWVS |



| Hewlett-Packard (for Verity Data, Verity Build, Verity Central, Verity Count, Verity Relay Receiving Station, Verity Transmit Receiving Station, Verity Print, and Verity Touch Writer) | Ballot and Report Printer | Laser Jet Pro 4001dn |
|---|---|---|
| OKIDATA (for Verity Data, Verity Build, and Verity Print) | Ballot Printer | C831dn, C844dn |
| OKIDATA (for Verity Data and Verity Build) | Ballot Printer | C911dn, C931e |
| IntoPrint (for Verity Data and Verity Build) | Ballot Printer | SP1360 |
| Hewlett-Packard (for Verity Data, Verity Build, Verity Central, Verity Count, Verity Relay Receiving Station, and Verity Transmit Receiving Station) | Verity Workstation | Z240, Z4 G4, Z2 SFF G9 |
| Hewlett-Packard (for Z240 workstation deployments) | Verity Workstation Display | P231, P232 |
| Hewlett-Packard (for Z4 G4 and Z2 SFF G9 workstation deployments) | Verity Workstation Display | P244, P24 G4 24, P24 G5 |
| Canon (for Verity Central) | Ballot Scanner | DR-G1100, DR-G1130, DR-G2110, DR-G2140 |
| Hewlett Packard (for locally interconnected workstations) | Ethernet switch | 1405-8GV3 |
| Hewlett-Packard Enterprises (for locally interconnected workstations) | Ethernet switch | R8R45A |
| Duracell UPS | Uninterruptible Power Supply | DR660PSS |
| VinPower | Digital 7-target USB Duplicator | USBShark-7T-BK |
| VinPower | Digital 23-target USB Duplicator | USBShark-23-BK |
| Motorola/Zebra | Optional AutoBallot barcode scanner kit. Includes the Motorola/Zebra 2d barcode scanner: | DS4608 |



2.1.3 Modifications

Verity Voting 2.7.8 is a modification of the EAC certified **Verity Voting 2.7** system.

The modifications to **Verity Voting 2.7.8** address multiple aspects of the system, including features for all devices and workstations, as well as associated documentation updates.

Please see the full listing of Modifications, and the requirements that each was verified against, in "Appendix A – Requirements to Modifications."

2.1.4 Materials

The following test materials were required for the performance of testing including, as applicable, test ballot layout and generation materials, test ballot sheets, and any other materials used in testing:

- Ballots & blank ballot grade paper
- Thumb drives
- USB dongles
- Ballot marking pens
- Printer paper rolls

2.1.5 TDP Documents Used to Support Testing

The **Hart** documents used to support testing of the **Verity Voting 2.7.8** system are listed in "Appendix B – TDP Listing" of this document.

2.2 System Overview

2.2.1 Scope of the Hart Verity Voting 2.7.8 Voting System

This section provides a description of the scope of **Verity Voting 2.7.8** voting system components.

The **Verity Voting 2.7.8** system represents a set of software applications for prevoting, voting and post-voting election project activities for jurisdictions of various sizes and political division complexities.

Verity Voting 2.7.8 functions include:

- Defining the political divisions of the jurisdiction and organizing the election with its hierarchical structure, attributes, and associations.
- Defining the election events with their attributes such as the election name, date, and type, as well as contests, candidates, referendum questions, voting locations and their attributes.
- Preparing and producing ballots for polling place and absentee voting or by-mail voting.



- o Preparing media for precinct voting devices and central count devices.
- Configuring and programming the Verity Scan digital scanners for marked paper ballots and Verity Touch Writer printed vote records.
- o Configuring and programming the Verity Touch Writer BMD devices.
- Configuring and programming the Verity Touch Writer Duo Standalone BMD devices.
- Configuring and programming the Verity Controller with Verity Touch Writer Duo BMD devices.
- Configuring and programming the Verity Print on-demand ballot production device.
- Transmission of the election results via Verity Relay.
- Transmission of the elections results via Verity Transmit.
- o Producing the election definition and auditing reports.
- Providing administrative management functions for user, database, networking, and system management.
- Import of the Cast Vote Records from Verity Scan devices and Verity Central.
- Preview and validation of the election results.
- Producing election results tally according to voting variations and election system rules.
- Producing a variety of reports of the election results in the desired format.
- Publishing of the official election results. Auditing of election results including ballot images and log files.
- Verity Scan is a digital scan precinct ballot counter (tabulator) that is used in conjunction with an external ballot box. The unit is designed to scan marked paper ballots or Verity Touch Writer Duo printed vote records, interpret and record voter marks on the marked paper ballot or record voter selections on the printed vote records, and deposit the ballots into the secure ballot box.
- Verity Relay provides remote transmission capability. Utilizing an optional modem with Verity Scan, at close of polls, results are transmitted from the polling place device to the Verity Relay Receiving Station workstation.
- Verity Transmit provides remote transmission capability. Utilizing an optional modem, Wi-Fi, or Ethernet accessory kit. Results from the Verity Scan and Verity Central are transmitted to the Verity Transmit Receiving Station workstation.
- The Verity Touch Writer is a standalone precinct level Ballot Marking Device (BMD) which also includes an Audio Tactile Interface (ATI), which allows voters who cannot complete a paper ballot to generate a machine-readable and human readable paper ballot, based on vote selections made, using the ATI.



- The Verity Touch Writer Duo is a daisy chained configuration with a Verity
 Controller device configured with up to twelve Verity Touch Writer Duo BMD
 devices, which allows voters to utilize the touchscreen or optional Audio Tactile
 Interface to generate a machine-readable and human readable printed vote
 record, based on vote selections made.
- The **Verity Touch Writer Duo Standalone** is a standalone BMD device, which allows voters to utilize the touchscreen or optional Audio Tactile Interface to generate a machine-readable and human readable printed vote record, based on vote selections made.
- Verity Print is an on-demand ballot production device for unmarked paper ballots.
- Verity Election Management allows users with the Administrator role to import and manage election definitions. Imported election definitions are available through the Elections chevron in Build. Users can also delete, archive, and manage the election definitions.
- **Verity User Manager** enables users with the correct role and permissions to create and manage user accounts within the **Verity Voting** system for the local workstation in a standalone configuration, or in a networked configuration.
- Verity Desktop enables users with the correct roles to set the workstations' date and time, gather Verity application hash codes (in order to validate the correctness of the installed applications), and access to Windows desktop.
 Verity Data provides the user with controls for entering and proofing data and audio. Verity Data also performs validation on the exported information to ensure that it will successfully import into Verity Build.
- Verity Build opens the election to proof data, view reports, and print ballots, and allows for configuring and programming the Verity Scan digital scanners, and Verity Touch Writer and Controller/Touch Writer Duo BMD devices, Verity Print, as well as producing the election definition and auditing reports.
- Verity Central is a high-speed, central digital ballot scanning system used for high-volume processing of ballots (such as vote by mail). The unit is based on COTS scanning hardware coupled with custom Hart-developed ballot processing application software which resides on an attached workstation.
- Verity Count is an application that tabulates election results and generates reports. Verity Count can be used to collect and store all election logs from every Verity component/device used in the election, allowing for complete election audit log reviews.
- Verity Relay Receiving Station is a remote transmission software application
 that receives election data transmissions sent by Verity Scan devices equipped
 with an optional Relay modem accessory.
- Verity Transmit Receiving Station is a remote transmission software application that receives election data transmissions sent by Verity Transmit devices.



• Verity Controller is a polling place device designed for use by poll workers. Controller allows poll workers to initiate and manage voting sessions during a voting event. Voters will never use the Controller. Controller communicates with attached Verity Touch or Touch Writer Duo voting devices through a local network, which allows it to deliver electronic ballots to the device(s), spoil a ballot loaded on a device, and monitor the status of all connected devices. The devices are attached in a daisy-chain arrangement using USB cables. Up to 12 devices can be connected to one Controller.

3 Certification Test Background

3.1 Revision History

Please see the Revision History on page 2.

3.2 Implementation Statement

Verity Voting 2.7.8 is a modification of Verity Voting 2.7 designed to conform to VVSG 1.0.

The **Verity Voting 2.7.8** modified voting system was tested to the following requirements:

- 2.1.1-a
- 2.2.1.2-b
- 2.2.4-d
- 2.4.3-a
- 4.1.7.2
- 5.4.3-d
- 7.9.4

3.3 PCA - Document and Source Code Reviews

The Physical Configuration Audit (PCA) review of the **Verity Voting 2.7.8** modified documentation submitted in the Technical Data Package (TDP) was performed in order to verify conformance with the Election Assistance Commission Voluntary Voting System Guidelines 1.0 (EAC VVSG 1.0).

Source code was reviewed for each modified software and firmware application declared within the voting system.

All PCA document reviews were conducted in accordance with Vol. 2 Section 2 of the EAC VVSG v1.0, to demonstrate that the modified documentation continues to meet the requirements.

All source code reviews were conducted in accordance with Vol. 1 Section 5.2 and Vol. 2 Section 5 of the EAC VVSG v1.0, to verify that the modified source code continues to meet the requirements.



3.4 FCA - Functional & System Testing

The Functional Configuration Audit (FCA) review of the test documentation submitted by **Hart** in the TDP was conducted according to the VVSG v1.0 Vol. 2 Section 6.7.

SLI Compliance's standard Test Suites were customized for the **Hart Verity Voting 2.7.8** voting system and conducted in accordance with VVSG v1.0 Vol. 2 Section 6, in conjunction with the functional testing of the implemented modifications.

Simulations of elections were conducted to demonstrate a beginning-to-end business use case process for the **Hart Verity Voting 2.7.8** voting system.

4 Certification Test Results Summary

4.1 Source Code Review Summary

SLI Compliance has reviewed the modified software source code for each application in the **Verity Voting 2.7.8** voting system to determine the code's compliance with the EAC VVSG 1.0, *Volume 1 Sections 5, 9* and *Volume 2 Section 5.4* and for compliance with **HART**'s internally developed coding standards. **Verity Voting 2.7.8** is implemented with the C, C++, and C# languages.

4.1.1 Evaluation of Source Code

As a modification project, the **Verity Voting 2.7.8** code base was reviewed using the final **Verity Voting 2.7** code as the baseline, to which the initial **Verity Voting 2.7.8** code base was compared. The differences found between those two code bases served as the starting point of the code review.

The modified source code is written adequately in terms of the VVSG 1.0. The code is modular and there is sufficient error handling. Readability is sufficient and supports maintainability. The source code was found to be compliant to the VVSG 1.0 and **Hart** declared industry standards.

4.2 Technical Data Package Review Summary

As this is a modification project, SLI Compliance reviewed the **Verity Voting 2.7.8** TDP against the final TDP for **Verity Voting 2.7**. The differences between the two TDPs were reviewed for compliance with the EAC VVSG 1.0 according to *Volume 2 Section 2*. The documents that are a part of the **Verity Voting 2.7.8** system are detailed in "Appendix B – TDP Listing" of this document.



4.2.1 Evaluation of TDP

The modified documentation within the Technical Data Package for the **Verity Voting 2.7.8** voting system was found to comply with all applicable standards.

4.3 Functional Testing Summary

4.3.1 Test Suites Utilized

SLI Compliance performed tests designed to functionally verify the modifications listed in "Appendix A – Requirements to Modifications" of this report, as well as additional regression testing to verify the continued robustness of the overall voting system. The testing incorporated component specific as well as end-to-end election scenarios, testing the functionality supported by **Verity Voting 2.7.8**.

The following sections detail the test suites that were executed.

4.3.1.1 Modifications

The Modification test suite examined each modification introduced into **Verity Voting 2.7.8** in order to verify that the modifications implemented, and the subsequent Trusted Build of the software/firmware, did not adversely affect operations.

4.3.1.2 **Security**

The Security test suite was executed to verify the security posture of the **Verity Voting 2.7.8** system has remained unchanged from the baseline system.

4.3.1.3 General Election

General Election test suites were executed in order to verify proper integration of the full **Verity Voting 2.7.8** system, and that all components continue to work as expected.

4.3.2 Evaluation of Functional Testing

In this test campaign, the **Verity Voting 2.7.8** voting system was subjected to examination for modifications made from the previously certified system, **Verity Voting 2.7**, against applicable requirements within the EAC VVSG 1.0.

All components of the **Verity Voting 2.7.8** voting system have successfully passed all tests.





5 Recommendation

2.7.8 voting system. It has been determined that the system meets the required acceptance criteria of the Election Assistance Commission's Voluntary Voting System Guidelines 1.0.

This recommendation reflects the opinion of SLI Compliance based on testing scope and results. It is SLI Compliance's recommendation based on this testing effort that the EAC grant certification of the **Hart Verity Voting 2.7.8** voting system.

Signature

Michael Santos

Michael Santos Director, VSTL SLI Compliance November 30, 2025



Appendix A – Requirements to Modifications

| Change | Data/ Build | Central | Count | Scan | Duo Go | TW | Print | Pertinent requirements |
|---|----------------|---------|-------|------|-----------|----|-------|---|
| Support for the HP-4001 DN Printer – The HP-4001DN Printer is a new printer that can be used as a report printer with Verity Workstations, or in the polling place with Verity Print and Verity Touch Writer products. This printer is included as an alternative printer option due to the Brother 6400 going end of life. | х | х | x | | | x | x | EAC Life Cycle Policy, 3.3.3. COTS Replacement: 4.1.7.2 7.9.4 2.1.1-a |
| Support for the HP Z2 SFF G9 Workstation – The HP Z2 SFF G9 is a new workstation that can be used with Verity Voting software applications. This workstation is included due to the existing Z4 G4 workstations going end of life. | x | × | x | | | | | EAC Life Cycle Policy, 3.3.3. COTS Replacement: 2.1.1-a |
| Addition of the HPE R8R45A unmanaged Ethernet switch to the supported COTS list for locally interconnected workstations. This unmanaged Ethernet switch replaces the HP 1405-8G, which is end of life. | х | x | х | | | | | EAC Life Cycle Policy, 3.3.3. COTS Replacement: 2.1.1-a |
| Verity Software Workstation improvements/defect fixes | | | | | | | | |
| Support for additional special characters Ö, ö, Ê, and ê. | x | x | х | x | | х | x | 2.2.4-d |
| Update to Default Print Settings – Changed default setting for report printing on the Brother HL-L6400DWVS from Duplex (flip on long edge) to Simplex. | х | | х | | | | | 2.2.4-d |
| Language Pack Update – Fixed an issue with loading more than two fonts from a single Language Pack. | х | х | х | х | | х | х | 2.2.4-d |



| | • | | | • | | |
|---|---|---|---|---|--|----------------------|
| Update to Daylight Savings Time – Fixed an issue where the daylight savings time offset was not being applied to client workstations when synchronizing clocks with the server, causing client clocks to be an off from the server clock. | x | x | x | | | 2.2.4-d |
| Verity Data defect fixes | | | | | | |
| Text Update to Template Selection Screen – Fixed "billingual" typo on the Data Template Selection screen | х | | | | | 2.2.4-d |
| Ballot Layout Fix – Fixed a ballot layout issue where a contest is not included in the ballot layout in a very unique and specific set of conditions. | x | | | | | 2.2.4-d 2.2.1.2-b |
| Verity Build defect fixes | | | | | | |
| Update to Ballot Export Exception – Resolved an issue that could cause an "export completed" message to appear when a ballot export from Build actually failed. | х | | | | | 2.2.4-d |
| Verity Central defect fixes | | | | | | |
| Update to Central Batch Search – Fixed an issue where entering a Central batch number larger than 32,767 into the Batch Search UI gave a non- informative error message of "Error Converting data type int to smallint." | | x | | | | 2.2.4-d |
| Verity Count defect fixes | | | | | | |
| Update to New Line Character in Exports – Restores functionality where new lines in election definition fields are correctly represented in exports (DVT, NY Comprehensive Export) | | | x | | | 2.2.4-d |
| Update to Assignment Validation – Fixed a validation that was blocking a write-in assignment in the following scenario: Contest with more than one write-in line, CVR that has more than 1 write-in vote for this contest. | | | х | | | 2.2.4-d |



| Updates to Voting Type Issue – | | | | | | |
|--|---|---|--|---|---|----------------------|
| Fixed an issue where running a | | | | | | 2.2.4-d |
| Count report in Election A and | | | | | | |
| then editing the voting types in | | Х | | | | |
| Election B could cause Count | | | | | | |
| reports run later in Election B to | | | | | | |
| fail or have incomplete data. | | | | | | |
| DVT Export Update – Fixed an | | | | | | |
| issue that prevented the DVT | | | | | | |
| from being exported when no | | x | | | | 2.2.4-d |
| parties are defined in a General | | ^ | | | | 2.2. 1 -u |
| Election. | | | | | | |
| | | | | | | |
| DVT Header Format Update – | | | | | | |
| Fixed an issue where the | | | | | | 0041 |
| comment symbol (#) appeared | | | | | | 2.2.4-d |
| after the first word in the header | | Х | | | | |
| row of the DVT, instead of | | | | | | |
| before. ("Format#" instead of | | | | | | |
| "#Format") | | | | | | |
| Update Ballots Cast on District | | | | | | 2.2.4-d |
| Results – Fixed an issue where | | | | | | 2.4.3-a |
| the District Results report shows | | | | | | |
| incorrect ballots cast values | | | | | | |
| when precinct groups are | | Х | | | | |
| defined and at least two of those | | | | | | |
| precinct groups have the same | | | | | | |
| number of actual ballots cast. | | | | | | |
| | | | | | | |
| Update to Custom DVT – Fixed | | | | | | |
| an issue where a custom DVT | | | | | | |
| export could show results from a | | Х | | | | 2.2.4-d |
| different task within the same | | | | | | |
| election. | | | | | | |
| Verity Print defect fixes | | | | | | |
| 1 | | | | | | |
| Update to Log Generation – | | | | | | |
| Removed excessive log | | | | | | 2.2.4-d |
| generation in the printer event | | | | | Х | |
| watcher which could cause a | | | | | | 5.4.3-d |
| device to run out of disk space. | | | | | | |
| | | | | | | |
| Verity Touch Writer defect | | | | | | |
| fixes | | | | | | |
| | | | | | | |
| Update to Log Generation – | | | | | | 2.2.4-d |
| Removed excessive log | | | | х | | |
| generation in the printer event | | | | ^ | | 5.4.3-d |
| watcher which could cause a | | | | | | 0. 4 .0-4 |
| device to run out of disk space. | | | | | | |
| | | | | | | |
| Update to Idle Behavior – Fixed | | | | | | |
| an issue where Touch Writer | | | | | | |
| fails to load an election if | | | | | | 2.2.4-d |
| powered on and left idle for an | | | | Х | | |
| extended period (8+ hours) prior | | | | | | |
| to initiating the election load. | | | | | | |
| and the state of t | | | | | | |
| | Ì | | | | | |



| Update to Printer Messaging – Prevents an unexpected message sent by the Brother 6400 from causing an "unexpected error" system alert during ballot printing on Touch Writer. | | | | x | 2.2.4-d |
|---|--|--|---|---|---------|
| Verity Duo Go defect fixes | | | | | |
| Update to Duo Go Communication – Fixed a timing issue in Duo Go that resulted in the device falsely reporting that there is "Insufficient charge to complete vote session." | | | x | | 2.2.4-d |



Appendix B - TDP Listing

TDP Listing:

- 462785-1.1 Hart InterCivic CofC
- 6641-056 G_Verity_2.7_Administrators Guide_Data.pdf
- 6641-057 F_Verity_2.7_Administrators Guide_Build.pdf
- 6641-058 E Verity 2.7 Administrators Guide Central.pdf
- 6641-059 F Verity 2.7 Administrators Guide Count.pdf
- 6641-060 E_Verity_2.7_Remote Transmission Administrators Guide.pdf
- 6641-061 G Verity 2.7 System Administrators Guide.pdf
- 6643-011 J Verity 2.7 Support Procedures Guide.pdf
- 6651-053 F Verity 2.7 Polling Place Field Guide CDS.pdf
- 6651-054 G_Verity_2.7_Polling Place Field Guide DS.pdf
- 6651-055 F_Verity_2.7_Polling Place Field Guide SW.pdf
- 6651-056 F Verity 2.7 Polling Place Field Guide SRW.pdf
- 6651-058 D Verity 2.7 Verity Print Field Guide.pdf
- 6651-061 D Verity 2.7 Verity Transmit Field Guide.pdf
- 6653-011 F_Verity_2.7_Device Troubleshooting Field Guide.pdf
- 6673-010 E Verity Relay Implementation Process.pdf
- 6675-011 A Verity OKI B432 Tray Extension Kit Installation.pdf
- 6675-042 A Verity HL-L6400DWVS Tray Extension Kit.pdf
- All-In-One Code Framework Coding Standards.pdf
- Change Notes Verity Voting 2.7.0 to 2.7.1 4005724 A00.pdf
- Configuration Management Process 1001074 D01.pdf
- Continual Improvement Process 1000550 E02.pdf
- Control of Nonconforming Product Procedure 1000657 B02.pdf
- Device Configuration Process Document 4005523 B00.pdf
- Device OS Creation and Configuration Process Document Verity 2.7 4005696 A01.pdf
- Factory TUV SUD inspection 2021 December report.pdf
- Hardware 2005713-CFAST Door Security Kit Design.pdf
- Hardware 3005018-ATI Kit Design.pdf
- Hardware 3005174-AutoBallot Kit Design.pdf
- Hardware 3005350-Scan Design.pdf
- Hardware 3005352-Touch Writer Design.pdf
- Hardware 3005356-Print Design.pdf
- Hardware 3005357-Ballot Box Design.pdf
- Hardware 3005358-Standard Booth Design.pdf
- Hardware 3005359-Accessible Booth Design.pdf
- Hardware 3005700-Touch Writer Duo Design.pdf
- Hardware 3005730-Touch Writer Duo Standalone Design.pdf



- Hardware 3005800-Scan Design.pdf
- Hardware 3005801-Accessible Booth With ATI Tray Design.pdf
- Hardware 3005825-Controller Design.pdf
- Hardware 3005852-Touch Writer Design.pdf
- Hardware 3005856-Print Design.pdf
- Hardware 3005905-Duo Go Design.pdf
- Hardware 3006065-Transmit Design.pdf
- Hardware 3006070-Touch Writer Duo Design.pdf
- Hardware 3006075-Touch Writer Duo Standalone Design.pdf
- Hardware 3006080-Scan Design.pdf
- Hardware 3006085-Controller Design.pdf
- Hardware 3006090-Touch Writer Design.pdf
- Hardware 3006095-Print Design.pdf
- Hardware Design Development Procedure 1000513 D01.pdf
- Hardware PCB Photos.pdf
- Hardware Verification and Validation Process 1000514 D01.pdf
- Hart Safety Certificate U8 090917 0006.pdf
- Hart Safety Certificate U8 090917 0008 Rev. 00.pdf
- Hart Safety Certificate U8 17 10 90917 004.pdf
- Hart Secure Ballot Stock Specification 4005526 A01.pdf
- HartLogo.jpg
- HP Z2 SFF G9 Verity Win 10 Workstation Manufacturing 4005687 A00.pdf
- HP Z240 Verity Win10 Workstation Manufacturing 4005673 A05.pdf
- HP Z4 G4 Verity on Win 10 Workstation Manufacturing 4005670 A05.pdf
- HPQC Test Cases.pdf
- Quality Manual 1000490 D04.pdf
- Record Retention Matrix 1000510 E02.pdf
- Sinatra Modifications Electronics Specification 4005701 A00.pdf
- Software Design Development Procedure 1000566 D02.pdf
- Software Production 1000551 E01.pdf
- Software Test Design Development 1000508 D02.pdf
- Software Verification and Validation Process 1000560 D02.pdf
- Software Versioning Procedure 1001070 C05.pdf
- SQA Requirements Management Process 1000540 A02.pdf
- Supplier Qualification and Management 1000563 C02.pdf
- Tally Tape Thermal Printer Controller Firmware Build and Flash Procedure 4005719 A00.pdf
- The Creation and Configuration of the Access Build Environment 4005517 A01.pdf
- The Creation and Configuration of the Automated Deployment Environment 4005723 A01.pdf



- The Creation and Configuration of the MCU Build Environment 4005519 A02.pdf
- The Creation and Configuration of the Trusted Build Environment 4005518 A06.pdf
- Verity 2.7 (Sinatra) Modification TRD 4005691 A01.pdf
- Verity 2.7 Notice of Protected Information 1000786 A04.pdf
- Verity 2.7 NY Cross-endorsement Modification TRD 4005714 A00.pdf
- Verity 2.7 Add Z2 SFF G9 Process Document 4005744 A00
- Verity 2.7 TDP Abstract 1000785 A05.pdf
- Verity 2.7 Test Cases.pdf
- Verity 2.7.8 COTS List.pdf
- Verity 2.7.8 Implementation Statement 4005709 A01.pdf
- Verity Airgap Interface Technical Reference 4005512 A02.pdf
- Verity Application Framework TRD 4005634 A00.pdf
- Verity Application Installer Build Process Document Verity 2.7 4005695 A01.pdf
- Verity Application Programming Interface Specification 4005604 A04.pdf
- Verity Ballot Creation TRD 4005636 A00.pdf
- Verity Base Station Microcontroller Specification 4005462 A01.pdf
- Verity Build TRD 4005628 A00.pdf
- Verity Central TRD 4005632 A01.pdf
- Verity Coding Standard 4005498 A14.pdf
- Verity Controller TRD 4005624 A01.pdf
- Verity Count TRD 4005629 A01.pdf
- Verity Cuyahoga (Verity 2.6) Modification TRD 4005683 A00.pdf
- Verity Data TRD 4005627 A00.pdf
- Verity Database Attributes 4005543 C06.pdf
- Verity Device Suite TRD 4005621 A01.pdf
- Verity Election Definition Data TRD 4005639 A01.pdf
- Verity Election Management TRD 4005631 A00.pdf
- Verity Electronics Specification 4005461 A21.pdf
- Verity Entity Relationship Diagram Database Devices.pdf
- Verity Entity Relationship Diagram Database Servers (Count Only).pdf
- Verity Entity Relationship Diagram Database Servers (No Count).pdf
- Verity Key Design 4005514 A02.pdf
- Verity Logging TRD 4005635 A00.pdf
- Verity Omni Modification TRD 4005655 A01.pdf
- Verity Operational Environment 4005515 C20.pdf
- Verity PC Application Framework User Interface Design Document.pdf
- Verity Performance Characteristics 4005497 C06.pdf
- Verity Print TRD 4005626 A00.pdf
- Verity Redstone Modification TRD 4005671 A01.pdf
- Verity Relay Theory of Operations 4005571 A06.pdf



- Verity Risk and Threat Assessment 4005513 C05.pdf
- Verity Scan TRD 4005623 A00.pdf
- Verity Security Requirements 4005464 A07.pdf
- Verity Shared Device User Interface Design Document.pdf
- Verity Software Architecture-Design 4005463 B03.pdf
- Verity Summative Usability Report 4005496 A00.pdf
- Verity Summative Usability Test Plan 4005495 A01.pdf
- Verity Supply Chain PRD 4005302 C01.pdf
- Verity Touch Writer Duo Base Station Microcontroller Specification 4005638 A00.pdf
- Verity Touch Writer Duo TRD 4005625 A00.pdf
- Verity Touch Writer TRD 4005622 A00.pdf
- Verity User Management TRD 4005630 A00.pdf
- Verity Vote Counting and Cast Vote Records TRD 4005640 A00.pdf
- Verity Voting 2.7 Change Notes 4005722 A02.pdf
- Verity Voting 2.7.8 Change Notes 4005735 A02.pdf
- Verity Voting 2.7.8 Source Documentation.zip
- Verity Voting 2.7.8 Usability Impact Statement.pdf
- Verity Voting National Certification Test Specification 4005527 B07.pdf
- VerityLogo.jpg
- VirTex Q01 Quality Manual Rev R.pdf
- Voting System Implementation and Maintenance 1000745 C02.pdf
- VSTL Product Submission Procedure 1000565 D02.pdf
- Workstation OS Creation and Configuration Process Document Verity 2.7 4005697 A01.pdf
- TDPindex.htm



Appendix C – Verity Voting 2.7.8 System Hashes

| Executable Files | sha2 (256) |
|--|--|
| Devices: | |
| Verity_Controller_v2.7.8-Kiosk-2025-06- 09_09-57-19.exe | 0c2be7bf9a860c6f5762453059ec8f87ec8a7dd224c88126b26c4851c09d9b34 |
| Verity_Print_v2.7.8-Kiosk-2025-06-09_09-58- 01.exe | 980daaef04167aee24ee63ba9c5b29120bac5160683cb382d0992a3ebf94a145 |
| Verity_Scan_v2.7.8-Kiosk-2025-06-09_09-56- 27.exe | 8aed8e2bb5644468bf48c23e5bf9c61b264c8332bc1922344641cda186859a9a |
| Verity_ScanWithRelay_v2.7.8-Kiosk-2025-06-09_09-56-45.exe | 391b2ddf389b66e1121e32906f21e679e25f1e9bd64f6ad7457d083c1b466c98 |
| Verity_TouchDuo_v2.7.8-Kiosk-2025-06- 09_09-57-25.exe | 20813b6c4c697225ee285ea11ff2d6853edb5dbf076cd025d8023139b76e3027 |
| Verity_TouchDuoIndie_v2.7.8-Kiosk-2025-06- 09_09-57-40.exe | cd1cae6b5ddb84476064e1fe0ec5b13907d0837dc166c3065796269baa4d6c0e |
| Verity_Transmit_v2.7.8-Kiosk-2025-06- 09_09-57-54.exe | 65b9425c5faaeac4005f740beea51b9b2006ce6f6f72f5c7f5843fb1012ef899 |
| Verity_Writer_v2.7.8-Kiosk-2025-06-09_09- 56-57.exe | dc5673d9cb08bd5fe1fa3a0a3ce334df33b63d2e48cafb363ee29153203214f7 |
| Workstations: | |
| Verity_CentralClient_v2.7.8-Kiosk-64GB- 2025-06-09_09-53-57.exe | d9da181acd47c82113085cdcdda377638796d2fd3e372362b99664788481873a |
| Verity_CentralDatabaseServer_v2.7.8-Kiosk-64GB-2025-06-09_09-54-39.exe | 45002ea28a5942b6e8d38140bbcaac87ab5a8930826a1f916b50840072300933 |
| Verity_CentralServer_v2.7.8-Kiosk-64GB- 2025-06-09_09-54-54.exe | 241a0aca4a9ff4ab89e75618cd4bbacdcf8feef265ff212cf2f4f8213e08f2db |
| Verity_CountClient_v2.7.8-Kiosk-64GB-2025- 06-09_09-54-17.exe | 8234affc838b638a4de9c28e9d8b3bad2ca6024e9dc1b03c65125bba02b7a773 |



Hart InterCivic Verity Voting 2.7.8 Certification Test Report - Modification

| N | |
|---|---|
| Verity_CountServer_v2.7.8-Kiosk-64GB- | dc7d8637778e78acd2dc549db9a56ae298825572d0c8bbe9538309669b323af7 |
| 2025-06-09 09-55-14.exe | |
| Verity_CountStandalone_v2.7.8-Kiosk-64GB- | 8331e8037b0d7d08a22264cc9b04eb0d68b389d5f0ca82ac51889e1e0bbc15d7 |
| 2025-06-09 09-55-23.exe | 000 100 |
| | |
| Verity_Database_v2.7.8-Kiosk-GB-2025-06- | 97476cfd31664e1ccb403ea5ed7bb66e638bf8ec7aa3210076129aa42768d550 |
| 09 09-56-26.exe | |
| Verity DataBuildClient v2.7.8-Kiosk-64GB- | d08ca7d94d5d5739c0f3790fdde0e2a4fc0929ee6964d772b4529bc54f8a475a |
| 2025-06-09 09-54-25.exe | |
| | 0.00000 15.404 7.001 1 1.05 0 7 10 4 404 1 1000040000(0.701 (0.400 |
| Verity_DataBuildCountStandalone_v2.7.8- | 8f23286d5431c768bacbceb65e9e7eed2e4e101dad966912320ff873bcf2133a |
| Kiosk-64GB-2025-06-09_09-55-31.exe | |
| Verity DataBuildServer v2.7.8-Kiosk-64GB- | a70a934513034c864ea9bbd3f5e03e3253dc68dffdc651f4774e9d5c13b52b06 |
| 2025-06-09 09-55-45.exe | |
| | 277-2-42-7fb-5074204 |
| Verity_DataBuildStandalone_v2.7.8-Kiosk- | 277a3c43a7fbe597436ea4ceaea264a06dc865cb1961372b7ea423e3360160b6 |
| 64GB-2025-06-09_09-55-55.exe | |
| Verity Relay v2.7.8-Kiosk-64GB-2025-06- | 5a1913301751869a7f518f09525d6c809767046bb1606532503041d823c8420c |
| 09 09-56-09.exe | |
| _ | 0.4 - 7700750000 0075400 00 545 - 0000 77 - 100 405 45000500 - 550 - 17450 - 10 |
| Verity_RelayTransmit_v2.7.8-Kiosk-64GB- | 24a779875222b837543b80ca545e306b77d82cc18fcee4f029f09d5c0d7156d3 |
| 2025-06-09_09-56-17.exe | |



Appendix D – Ancillary Products

Ancillary systems represent products and utilities that are not part of the EAC certified system configuration; however, they may be used to facilitate testing.

Ancillary systems include:

- Optional Verity Duo Go a carrier for use with Verity Touch Writer Duo and Verity Touch Writer Duo Standalone to allow for "curbside" voting.
- Optional Full Page Magnifier

Manufacturer: by Bausch & Lomb

Model: 819007

Optional Full Page Framed Magnifier
 Manufacturer: Inclusion Solutions

Model: 436

Optional ATI Device
 Manufacturer: AbleNet

Device: Dual Jelly Bean Switch

• **Verity Workstation Configurator** – Software used only on initial deployment of Verity workstation software to apply a unique workstation ID and client configuration, however the software itself is not included on deployed systems.

End of Certification Test Report