

Fulton County Pennsylvania Election System Analysis



By WAKE Technology Services, Inc.

February 19, 2021



Fulton County Pennsylvania Election Assessment



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1 Executive Summary

The purpose of this assessment was to ascertain how the election was conducted, initially from a mail-in, and then from an absentee ballot perspective. With the assistance of the Election Commissioners and the Election Director, this assessment resulted in a full election process and system review. WAKE TSI did not conduct a forensic technology audit of the election management system as WAKE TSI did not have the agreement of the stakeholders to conduct that level of detailed analysis.

Since this was a voluntary assessment, WAKE TSI accepted what was provided and were flexible when the Election Officials did not want to provide sensitive information, such as chain-of-custody documentation that identified County personnel and security tag log files, that identified current numbering schemas. Nor did WAKE TSI look at the configuration of the EMS itself or how the election was designed or built.

What the issues highlighted in this document reveal, is that the election was well run, was conducted in a diligent and effective manner and followed the directions of the Commonwealth. This does not indicate that there were no issues with the election, just that they were not the fault of the County Election Commission or the County Election Director.

Fulton County had no anomalous or unusual incidents reported during the election process. Expectations were that this assessment would not show any indications of error, technology interference, fraud, or misconduct. Five issues of note were found in the conduct of the election, three of which are related to the EMS Vendor:

1. There were a number of errors in ballot scanning
2. The failure of Dominion Voting to meet the Commonwealth Certification requirements
3. The addition of non-certified database tools installed on the system.
4. Changes were made to the EMS three (3) weeks prior to the election
5. The lack of Commonwealth L&A inspections of the voting systems.

The last issue is hard to understand as the Commonwealth's documentation requires the DOS to collect the L&A testing results.

While these may seem minor the impact on an election can be huge. The adjudication process of the Dominion system is caused by the scanning system and software not being able to read the intent of the voter. This forces human intervention and for those humans to "determine" the intent of the voter.

2 Fulton County Demographics

Fulton County, Pennsylvania is located in south central Pennsylvania. The County Seat is in McConnellsburg. The assessment was completed at the County Offices located at 116 West Market Street, McConnellsburg, Pennsylvania 17233.

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Image 1 – Fulton County Location

2.1 County Description

Fulton is a small county of approximately 14,619 people with approximately 9,847 registered voters. The County averages 33.38 people per square mile, 26.53 people of voting age per square mile and 22.48 registered voters per square mile. These numbers mean little until you begin to compare them to larger more densely populated areas.

County Population	Voting Age Population	Registered Voters	Votes Cast	County Land Area	Registered Voters Per Sq Mile
14,619	11,622*	9,847	8,019	438 sq miles	22.48
	79.50%	84.73%	81.44%		

Table 1 – Fulton County Demographics

***Estimated from 2019 Census Department numbers**

The voting age population (VAP) is estimated to be 11,622 people, which, is approximately 79.50% of the County population. Of the Voting Age population approximately 84.73% of these people are registered voters and of those 81.44% voted in the 2020 General Election.

2.2 Voting History and Registration Roles

During the 2020 Presidential General Election Fulton County had 8,019 votes cast at 13 polling locations with 81.44% of registered voters casting a ballot. This is a high percentage of voters even for a Presidential election but was quite common in this election cycle across the Commonwealth and the nation.

The assessment reviewed all 954 mail-in ballots, all processes followed for In-Person, Mail-In, Absentee, Provisional voting and the handling of adjudicated ballots. WAKE TSI also reviewed voting related information published by the County, posted on the County web site, reported by news media and reported by the office of Commonwealth of Pennsylvania Department of State (DOS).

Election history in the Pennsylvania SURE system, for Fulton County, goes back to elections beginning in 1987.

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Of the 9,847 Registered Voters 1,468 (14.81%) people did not vote in the 2020 General Election. Fifty-six (56) people who voted in the Primary did not vote in the General Election. The Commonwealth’s voting records show that Fulton County has 702 people whose date of last vote was unknown or was prior to 1987. There are 1,065 registered voters who have not voted in an election between 1987 and the 2019 elections. This accounts for 10.82% of the County’s registered voters.

Somehow the explanation of the voting numbers in the previous two paragraphs do not add up to 100% of the registered voters. Fulton County has 9,847 registered voters, there were 8,019 votes cast (81.44%) and 1,468 (14.81%) registered voters who did not vote. This totals 1,828 voters. Missing is an explanation of what happened to 360 voters (3.66%)?

What this information suggests is that the Voter Registration rolls need to be validated and purged if possible. From the data that was purchased from the Commonwealth we were unable to determine which field indicates inactive voters.

2.3 County Election Commission

The County has a mostly rural population, which has voted overwhelmingly Republican for elections since 1964.

The County has 13 voting precincts based upon the Townships and Boroughs within the County.



Image 2 – Fulton County Poling Precincts

The county Election Commission consists of three members: Stuart L. Ush (R), Chair, Randy H. Bunch (R) and Paula J. Shives (D). All three are business owners in the County.

There is also an Election Director who manages the elections, maintains voting equipment and voting integrity, oversees data security, is responsible for ballot security and reports the tallies to the Commission and the Commonwealth. The Election Director is assisted in many functions by the Fiscal Administrator and the County Information Technology Consultant. The Election Director and the Fiscal Administrator are County Employees.

The County’s Information Technology support is provided by a contracted firm. The primary support person is an employee of that firm who has been doing the technology work for the County for many years.

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3 Company Performing Review

WAKE Technology Services Inc. (WAKE TSI) is a managed services provider specializing in data center, network, server and desktop systems design, cybersecurity and management, as well as remote help desk and systems support. The company develops and executes various processes and methodologies across all its disciplines. The firm was founded in 2004 and has worked with organizations in Healthcare, Government, Manufacturing, Insurance, Automotive, Higher Education and Professional Services industries.

WAKE TSI's technical and management teams are experienced in working with DOD and other federal agencies as well as state and local governments. This includes working with the Commonwealth of Pennsylvania's State System of Higher Education (PASSHE).

WAKE TSI is located in West Chester, Pennsylvania.

3.1 Who Wrote / Compiled the Report

This report was compiled and written by E. Eugene Kern, Executive Vice President of WAKE TSI. Mr. Kern has been working in the information technology field since 1982. His background is in technology infrastructure (not programming). His experience includes network, systems, data center, physical design, systems and cybersecurity management as well as extensive project management experience. He has been at the management and executive levels in the information technology field for more than 30 years both as a consultant and as a member of various organizations.

Mr. Kern is a co-founder of WAKE TSI and has been the Executive Vice President since the firm began.

3.2 Team Performing Assessment

WAKE TSI's Team consisted of three (3) ballot counters, two (2) technical personnel and one (1) management person acting as program director / observer.

Our cybersecurity team who collected, reviewed and analyzed the technology data has experience with DOD/DARPA, NSA and other federal agencies.

For further company information please see our website at <https://www.waketsi.com>.

4 WAKE TSI Process Followed

Two visits were made to the County Offices. The first on December 31, 2020 and the second on February 9, 2021. For both visits to the Election Offices, our Personnel provided government issued identification and signed a log at the request of the Election Director, prior to being allowed to visit the election system area. WAKE TSI also agreed that our inquires and work would not change or impact any of the systems reviewed. The County agreed to keep the names of our personnel private so that none of them could be threatened or harassed, as Mr. Kern has been after the first visit and subsequent newspaper reports were circulated.

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For our first visit, WAKE TSI provided a sign-in log for collection of contact information and to understand who the stakeholders were. This is also to ensure we know who the proper people are for follow-up questions and requests. Since the second visit was with the entire Election Commission and the Election Director, WAKE TSI did not ask for a sign-in log to be completed.

4.1 Assessment Scope

The assessment was intended to review the mail-in ballots for each County and validate that all conduct relating to the mail-in ballot requests, distribution, receipt and counting were in line with Federal and Commonwealth guidelines. WAKE TSI was not asked, nor did we conduct, a technology forensic audit of either the operating system or the EMS. WAKE TSI did review operating and application system file dates, operating system and application log files, ballot images and related files.

WAKE TSI personnel did not “image” the EMS systems. WAKE TSI did receive copies of various ballot image directories and log files for offline evaluation. WAKE TSI was careful to not infringe upon any portion of the Dominion software agreement with the Commonwealth or with the County.

The ballot images that WAKE TSI received, do not allow for the identification of individual voters. WAKE TSI did not inspect, review, assess or copy the County Electronic Poll Book or any of the mail-in or absentee ballot envelopes.

4.2 First Visit

During the first visit our technology team collected electronic copies of EMS application log files, directory information, TIF images of the scanned ballots, Operating System (OS) directory and file information, OS log files and pictures of the paper Mail-In ballots.

This technology-oriented data collection was utilized to compare manual log files to electronic files to ensure that the conduct of the election from a manual process matched the technology-oriented process.

The Election Director, or an Election Commissioner, remained in the room with the ballots throughout the entire course of our review. The Election Director was the only person removing and replacing ballots in the ballot carts. Ballots were placed on the counting table for review and then immediately placed back into the ballot cart once the review was complete.

The IT Support Technician, or an Election Commissioner, remained with the technical team during the assessment of the voting systems and was the only person to access, copy or download information from the EMS, as he does as a regular part of his duties. WAKE TSI personnel were escorted at all times while we were in all of the election system related areas during the assessment.

4.3 Second Visit

The second visit to Fulton County occurred on February 9, 2021. WAKE TSI returned to ask follow-up questions about processes, review some of the sensitive documentation that the

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County did not want to have copied and to discuss the absentee ballots and the County's adjudication process.

4.4 Overall Process

This was a voluntary assessment by the County, WAKE TSI accepted what was provided and understood when Election Officials declined to provide sensitive information, such as chain-of-custody documentation that identified County personnel and security tag log files, that identified current numbering schemas. WAKE TSI was allowed to view, but not copy, this type of documentation on the second visit.

The Election Commission did provide the templates utilized for these and other requested documentation and the processes used by County Personnel for securing the ballots and transporting them from the Precinct voting locations to the Central Tabulation Point (McConnellsburg County Office). WAKE TSI also discussed but did not review County provided training materials used for the General Election. Some of this documentation is in the process of being updated by the Election Director as 2020 was the Election Director's first year in the position and has identified processes that needed refinement and updating to help Poll Workers better understand and follow the election process in Fulton County.

4.5 Collection of Data

As stated previously, WAKE TSI's technology people were assisted by the County's Information Technology Consultant. WAKE TSI was allowed to receive copied files from the application directory of the EMS Server, the tabulation machines, the EMS workstation and the adjudication workstation. WAKE TSI also obtained lists of all operating system files on each of the machines. WAKE TSI received copied configuration files, images and log files from all of the machines, both from the OS and the EMS.

4.6 Forensic Technology Tools Utilized

Since this was voluntary assessment and not an audit, WAKE TSI did not collect information (disk images) from the machines as we would in a "normal" forensic audit. For this reason, WAKE TSI did not utilize any of our forensic tools for the assessment.

5 Conduct of Election

The County Election Commissioners agreed, on a two to one vote following party lines, to have this voluntary audit conducted and provided technical and administrative oversight and support for the effort. Later the Election Commissioners again voted to allow WAKE TSI to count and discuss the Absentee Ballots. Our request and the vote were what prompted the second trip to the McConnellsburg. Fulton County is in two State Senate Districts as the maps below show.

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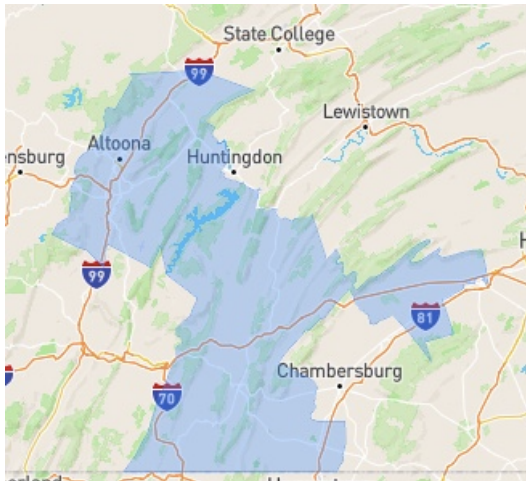


Image 3a – PA Senate District 30 – Image from Pennsylvania Senate web site

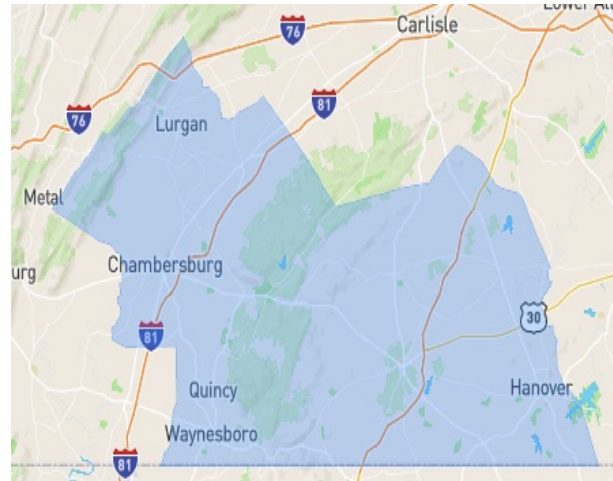


Image 3b – PA Senate District 33 – Image from Pennsylvania Senate web site

Since the County is in two State Election Districts both State Senator Judy Ward and State Senator Douglas Mastriano were aware of our efforts.

5.1 Anomalies

Election anomalies occur in many forms and vary from election to election depending on how the election was conducted and who ran the election. Anomalies can be human errors, equipment failures, configuration errors, software failures, paper issues and such mundane items as water leaks and power failures.

5.1.1 Election Process Anomalies

There were no reported conduct anomalies during this election. The Judge of Elections, at each polling location, and the Minority and Majority Inspectors (Observers from both major parties) were at each polling location during In-Person voting and then escorted the ballots from the precincts to the County Offices for tabulation.

Multiple County Election Officials were present at all ballot handling, tabulation, adjudication and reporting functions. At no time was only one-person handling ballots without supervision by other election officials. No accounts of conduct irregularities were reported during the election cycle either before, during or after the election in Fulton County.

5.1.2 Voting System Anomalies

There were no EMS system anomalies reported during the election or in the election results reporting.

WAKE TSI found two EMS anomalies with the voting system which were; 1) the number of scanning errors and 2) the installation of the Microsoft SQL Server Data Tools (SSDT).

For the first issue the Federal Government has set an allowable error rate of 1 error in 250,000 ballots scanned for an allowable error rate of 0.0004%. Fulton County should not have had any ballot scanning errors according to Federal guidelines.

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There were two sets of log files reviewed for this assessment. The first is the error log files on the ICC machines (scanning tabulation machines). These log files show that scanning issues occurred during system setup / testing on 10/18/2020, during the election process on 11/3/2020, during the County validation on 11/6/2020, and during the certification process on 11/10/2020. Usually, the scanning issues were one error during a batch of fifty ballots being scanned. This leads to an error rate of 0.02% during batch processing. If you look at the approximately 40 scanning errors that occurred during the election process this provides an error rate of approximately 0.005%.

The second set of log files from the EMS server show that during the 11/03/2020 General Election there 3,383 individual events, of which 142 were for scanning errors (4.20%) and only three (3) were for write-in ballot warnings (0.09%). The scanning errors are far in excess of the allowable error rates as legislated by the Federal Government.

WAKE TSI suggests that this issue should be resolved by the EMS Vendor.

5.1.3 Other Anomalies

The only other anomaly reported was with the printing of ballots in one of the precincts. The ballots are printed with a tear off tag that shows the voter what number voter they were for that election and day. The printing firm, who provided the ballots, mistakenly started the ballot numbers at the wrong number, which forced a change in the tracking of the ballots provided to that location.

This issue had no impact on the actual voting in the Precinct.

5.2 Public Communications

The Web Page is the primary form of communications for the County during election periods. Individual Candidates, or Parties, provide all their own election materials. The County does not provide election advertising except for signage for polling locations and ballot collection points that indicate locations and processes to be followed.

5.3 Web Page

The County website shows election results since 2002 and is consistent with what other online sources provide. This information was also confirmed via data from the Pennsylvania Statewide Uniform Registry of Electors (SURE) system.

Fulton County has an easy-to-use website with all voting information (information, reporting and registration) accessible from a link on the left side of the County Homepage. The website was built and is maintained by the County's contracted Information Technology Services Company.

The election page displays the primary access points in the middle of the page as boxes. Above the boxes is an election day phone number for assistance or issue reporting. Sample ballots for all precincts are easily accessed from this page.

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5.3.1 Sample Ballots

The sample ballots are downloadable as PDF files and match the County precincts, mail-in ballots and election day ballots. The Sample ballots have a watermark showing them as “Specimens”. This watermark was easily removed with Adobe Acrobat. The sample ballots print the same size as the election day ballots (8.5 by 11.0 inches). The sample ballots do not contain any Precinct identification or serial numbers.

See Sample Ballots in Appendix A – Sample Ballots.

5.4 EMS System Physical Security (Machines, Ballots and Devices)

The voting systems are maintained in multiple rooms in the basement level of the County Office building listed above. The rooms are only utilized by the Election Commission and are kept locked unless personnel are utilizing the rooms as part of their duties.

The building has a keycard security system and reporting of access to the various areas can be generated as needed. The building also houses Veteran Affairs and Domestic Relations offices. They are separate with their own entrance and security system. Personnel from these Departments do not have access to the Election Systems areas.

All ballot carts, paperwork carts, supplies, and EMS related devices are stored in the election area of the building. Some election related paperwork is kept in the Election Director’s office, which is on a different floor in a secured access area.

There is one ballot cart and one paperwork cart per precinct. All carts were locked and sealed with numbered security tags, which were removed by the Election Director as the mail-in ballot count proceeded.



Image 4 – Ballot Carts



Image 5 - Paperwork Carts

Note in the pictures above the red security tags on the Ballot Carts and the green security tags on the Paperwork Boxes.

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Once the ballot recount had been completed for a Polling location, the ballots were immediately replaced by the Election Director and resealed.

The Election Director maintains a log of the security tags when removing / replacing the security tags. The log is kept on her County provided computer located in her office and is only accessible by her.

See a template of the log file in Appendix D – Security Tag Tracking Template.

5.5 Poll Book

The Poll Book is not part of the Dominion Election Management System. While the two are related and work together, the Poll Book is not generated by, nor used by, the Dominion System directly. Individual counties throughout the Commonwealth use a variety of electronic or manual Poll Books.

Fulton County uses a “Manual Poll Book” printed from data in the State Voter Registration Database. The Poll Book is printed the Friday before the election and delivered with the Ballots and other Paperwork to the Judge of Elections at each Precinct in preparation for Election Day. The Poll Book is updated from Friday through Election Day as registration information is updated or new voter registrations are added to the statewide Voter Registration database.

The Poll Book is signed by each voter and the Poll Workers hand a ballot to the Voter. While ballots were not serialized, the pre-printed in-person ballots do have a tear-off tag intended to inform Voters what number voter they were for that precinct.

The process followed by the Poll Worker distributing ballots is to inform the person managing the Poll Book the number of the ballot tag, which is then entered into the Poll Book, with that person’s name. Once that ballot is cast the numbered tag is removed and provided to the Voter.

Since these ballot tag numbers are written into the Poll Book, they become part of the voting record. A curious side effect of the tear-off ballot numbers being entered into the Poll Book is that it allows for tracking of individual voting by comparing the Poll Book to the batches run through the tabulation machines. Since the ballots are carefully tracked in batches and are placed in the ballot carts in the order voted it allows for this matching of voting order to the Poll Book and to the images taken for the counting process.

In January 2021, after WAKE TSI had collected data from Fulton County, the ex-Secretary of the Commonwealth, Kathy Bookvar requested that Fulton County perform a random sampling analysis of voting in the County. The State personnel who performed the analysis selected a not-so-random sample of Ballots from a comparison of the Poll Book to the batch logs to select the ballots they wanted to review for sampling. The results showed that rather than the actual 85% percentage voted for President Trump the selected sampling showed an 89% voting selection. We do not know why the vote review / sampling was conducted in this manner. This information was provided to WAKE TSI by one of the Election Commissioners.

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5.6 Ballot Casting and Election Results

Fulton County certified that they only counted votes cast / received by 8:00 pm on November 3, 2020 or as appropriate for absentee ballots in accordance with state and federal guidelines. All ballots are cast in the precincts and taken to the McConnellsburg County Offices for tabulation and reporting. There is a McConnellsburg Precinct location as well where voting occurred.

The Election Director utilized a handwritten Ballot Scanning Log for managing the batches during scanning. The log sequentially tracked batches by polling location, quantity in the ballot cart and type of ballot. The Election Director’s handwritten log files exactly matches the scanning logs from the tabulation devices labeled ICC#1 and ICC#2 as to the ballot type, size and number of ballots per batch ran through the devices. Most of the batches run through the system were in groups of 50 ballots. The largest batch was 108 ballots, and the smallest batch was 1 ballot.

Ballot abbreviations on the log include Mail-In = MI, Election Day = ED, and PR = Provisional. These designations match the directory structure of the ballot images within the EMS directory structure. Absentee ballots were included in the mail-in category for logging purposes but were tracked separately in the ballot carts and in the EMS. Provisional ballots were handled by the Election Director under the supervision of the Election Commissioners.

See Appendix B – Ballot Scanning Log Example

The County Sheriff’s Department is present at the McConnellsburg Offices, on election day, to observe that there are no interruptions or interference with proper procedures. They do not take part in the transportation of ballots or voting equipment.

The ballots are transported from the Precincts to the election offices in McConnellsburg by the Election Judges and the Minority and Majority Inspectors. Chain-of-Custody documents, for the ballots and supplies were utilized by the County for transport.

WAKE TSI did request and receive copies of the templates used for these documents as shown in Appendix C - Ballot Tally & Tracking Template and Appendix D - Security Tag Tracking Template

The following table shows the votes cast and reported by election for the 2020 General Election on the County web site and through the Pennsylvania SURE system:

Election Race	Total Vote Count
Presidential	7,981
Attorney General	7,815
Auditor General	7,762
State Treasurer	7,761
Representative in Congress	7,840
Representative in the General Assembly	7,261
Count of People Voting as Reported in SURE	8,019

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Table 2 – Votes by Election Contest

All votes were scanned / tabulated using devices labeled ICC#1 and ICC#2. All mail-in ballots were scanned using ICC#2 while ICC#1 served in a backup roll.

5.6.1 Election Night Versus Certified Results

The table below shows the differences between the reported numbers.

Date	County Population	Registered Voters	Total Votes Cast	Biden	Trump	Third Party	Write-In	Total Votes For President
Nov 3	14,619	9,847	7,807	1,068	6,660	79	0	7,807
Nov 20	14,619	9,847	7,981	1,085	6,824	69	3	7,981
Diff	0	0	174	17	164	(10)	3	

Table 3 – Election Night Reporting vs Certified Reporting

As the table above indicates, election night reporting did not match with the certified results. The reasons provided for this difference were receipt of military and civilian absentee ballots, clarification of write-in ballots, resolution of provisional ballots and adjudication of ambiguous ballots. The table above shows the differences between the election night and certified results and what ballots changed categories.

The log files show that ICC#1 had two provisional ballots scanned on 10/13/2020 as part of the setup of the election. None were scanned on this device during the 11/3/2020 election.

The log files on ICC#2 had 22 provisional ballots scanned on 10/13/2020 in two batches as part of the election setup. Twelve (12) provisional ballots were scanned on 11/06/2020 in six batches as part of the ballot adjudication process, and 115 ballots were scanned on 11/10/2020, in two batches, as part of the certification process.

See the County Certification Report in Appendix E – County General Certificate of Results

5.6.2 In- Person Ballots

The printed In-Person ballots do have a machine-readable ID (barcode) in the lower left corner that identifies the precinct in which the ballot was cast. The example below is from an image of an Ayr Township ballot. Image 1 is from the top center of the ballot and Image 2 is from the lower left corner of the ballot. All Ayr Township Ballots have the same marking. The markings for each Precinct are distinct and match from ballot to ballot within the precinct. This is the only difference between the sample ballots and the actual ballots used in the election.

This difference stops someone from downloading the sample ballots, printing them and then casting them as if they were actual ballots. The barcode does not identify individual voters.

OFFICIAL MAIL-IN BALLOT FULTON COUNTY, PENNSYLVANIA GENERAL ELECTION, NOVEMBER 3, 2020 AYR TOWNSHIP

Image 6 – Top of Ballot



Image 7 – Bottom of Ballot

The ballots are also printed on a heavier stock than the normal 20-pound paper used by copiers and for other technology uses. The reasoning behind this was explained as assisting the scanners in feeding individual ballots without as many jams.

5.6.3 Provisional Ballots

The following table is the count of Provisional Ballots listed by the reason for inclusion in the provisional category.

Township	Total # Provisional Ballots Received	Not Registered	Absentee / MI Not Returned	Registered But Not in Poll Book	Excepted Ballots
AYR	10	3	6	1	7
BELFAST	11	0	11	0	11
BETHEL	18	2	13	3	16
BRUSH	18	4	12	2	14
DUBLIN	10	0	10	0	10
LICKING CREEK	9	0	9	0	9
MCCONNELLSBURG	8	1	5	2	7
TAYLOR	7	0	7	0	7
THOMPSON	22	4	16	2	18
TODD	10	3	6	1	7
UNION	15	3	12	0	12
VALLEY HI	0	0	0	0	0

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WELLS	11		3	8	0		8
SUBTOTALS				115	11	=	126
TOTALS	149	=	23		+		126

Table 4 – Provisional Ballots

As can be seen by the table above 23 voters who were not properly registered, plus 115 people who had requested an absentee or mail-in ballot which had not been returned and 11 people who had registered but were not in the Poll Book. These 149 ballots were not counted in the election for these failures in following the proper process to vote.

5.6.4 Mail-In Ballots

The numbers below represent the numbers of the Mail-In ballots requested and returned to the County. The numbers below are from the Pennsylvania SURE system. Of this amount 954 Mail-In Ballots were completed properly and counted for the election.

Requested	All Returned	Returned By 11/3	Returned After 11/3	Not Returned
1,429	1,233	1,222	11	196
	86.28%	99.11%	0.89%	13.72%

Table 5 – Mail-In Ballot Numbers

In accordance with Department of State directives only Mail-In ballots delivered by 8:00 PM on November 3, 2020 were counted. The McConnellsburg Post Office worked diligently with the Election Commission to deliver Mail-In ballots twice-a-day during the last few days leading to deadlines. Sometimes calling the Election Director to inform her that there was no mail for that day.

5.6.5 Absentee Ballots

Absentee ballots are handled differently from mail-In ballots as they have different rules, regulations and deadlines. Absentee ballots were counted if they were postmarked by November 3, 2020 and received prior to November 6, 2020.

An Absentee ballot request is a different type of request from a Mail-In ballot request.

5.7 Results Reporting

WAKE TSI reviewed several sources to ensure that reporting was consistent and accurate. The results were then compared to information which was provided from the EMS. The reporting reviewed was completed from Election Night Results through Result Certification and included published results from November 3 through December 28.

5.7.1 County Web Site

All the information on ballot count reporting above is from either the County’s web site or the Pennsylvania SURE system.

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All information reported by the SURE system is input by the Election Support Team of Fulton County. The data is transported from the EMS to the County Election Director's workstation via thumb drive and then uploaded to the SURE system.

The County web site is easy to use and has reports in standard formats that do not need adjustment to run reporting or statistical tools against.

See the County election web site at this link: <https://www.co.fulton.pa.us/elections.php>

5.7.2 Media

WAKE TSI reviewed reporting by the New York Times (NYT) for all counties in Pennsylvania as well as reporting provided by local and national television and cable outlets. WAKE TSI also reviewed results posted on or by national voter data tracking outlets like Edison Research, ScytI and Verified Voting.

This data was compared to the information provided by the County and the Commonwealth's web sites.

5.7.3 Commonwealth

As the table at the beginning of this section indicates the highest count of votes appeared in the Presidential race, with 7,981 ballots cast. This table is based upon the certified election results from November 10th. The State SURE system indicates that 8,019 ballots were cast in the County. There is a difference of 38 votes (0.47% of ballots cast). This difference is from the remediation of issues such as double voting where only one candidate can be selected, but two were marked, naked ballots (mail-in ballots) where the security envelope was not included in the outer envelope when the ballot was returned, write-in ballots for famous entities like Mickey Mouse, Jesus Christ, Abraham Lincoln, etc. and ballots cast by people who were not properly registered.

5.7.4 EMS Vendor Website

No reporting of election results was found at the Dominion web site as some of the other Election Management System Vendors provide.

6 Election Management System (EMS)

Fulton County uses the Dominion Democracy Suite 5.5A as certified by the Pennsylvania Secretary of State (SOS). The County began using the Dominion EMS in 2019. It has been used in the last three (3) elections. More information on the EMS and how to use it can be found at the Department of States web site listed here: <https://www.votespa.com/Voting-in-PA/Pages/Voting-System-Demos.aspx>.

The EMS system was originally installed and used for the 2019 Municipal Election and was utilized for the 2020 Primary and 2020 General Elections. The EMS Server log files indicate that the election management system was originally installed on 08/16/2019 and updated for the Municipal Election on 10/17/2019. The next date that the system logs show the EMS as being updated is for the 2020 General Election (10/13/2020). The election files from all three

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elections were on the server. This information matched exactly what the Election Commission provided.

6.1 EMS Software Components

The Dominion Democracy Suite 5.5A consists of the following software and firmware components:

Application	Version
EMS Election Event Designer (EED)	5.5.12.1
EMS Results Tally and Reporting (RTR)	5.5.12.1
EMS Application Server	5.5.12.1
EMS File System Service (FSS)	5.5.12.1
EMS Audio Studio (AS)	5.5.12.1
EMS Data Center Manger (DCM)	5.5.12.1
EMS Election Data Translator (EDT)	5.5.12.1
ImageCast Voter Activation (ICVA)	5.5.12.1
EMS Adjudication	5.5.8.1
EMS Adjudication Service	5.5.8.1
Smart Card Helper Service	5.5.12.1
ImageCast Precinct (ICP)	5.5.3-0002
ImageCast Central (ICC)	5.5.3.002
ImageCast X (ICX)	5.5.10.30

Additional Commercial Off The Shelf (COTS) software and firmware included in the systems has been defined as part of the EAC system certification scope. We did not include this information as it is listed in the Commonwealth certification document, which has been included as an Appendix.

6.1.1 Third Party Software Components

All expected third party software components were installed in the system. Versions were as listed in the certification documentation.

File dates and times matched the expected results and file sizes matched software vendor data for the versions installed.

6.2 EMS Devices Utilized

Fulton County Pennsylvania uses the Dominion Democracy Suite 5.5A EMS. The following is an excerpt from the Pennsylvania Certification Report for the Democracy Suite 5.5A components considered for use in Pennsylvania.

“The System is intended to provide a paper-based voting system with end-to-end election support, from defining an election to generating final reports. The system is comprised of both precinct and central count tabulators, and BMDs as the ADA component. The system components include: The Election Management System (EMS), the ImageCast Central (ICC) - utilizing two

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Commercial Off the Shelf (COTS) scanners, the ImageCast Precinct (ICP) optical scanner and the ImageCast X (ICX) (Prime and Classic) ballot marking devices.”

6.2.1 Ballot Marking Devices

The County provides Ballot Marking Devices (BMD) in each Polling Location as required by HAVA and Commonwealth guidelines. These devices can be used by anyone who wishes to use them instead of a paper ballot. The voter views the ballot on the computer screen, makes their selections and then a ballot is printed with their selections listed and with a QR code that is read by the tabulation machine when these ballots are scanned.

The important point here is that the machine readable QR code is what is being scanned and entered by the tabulation machine not the human readable details printed on the ballot.

We are not inferring anything by making this point, we are just stating the obvious, that what you see and what the machine reads is not the same information when using these devices. That does not mean that the QR code is any different than what is printed on the ballot, just that you cannot see what it says.

See an example of a printed BMD generated ballot in Appendix F - BMD Ballot Printout.

The certified ballot marking device that the County uses is the ImageCast® X (ICX) Ballot Marking Device (BMD). This is a ballot marking device with a Commercial Off The Shelf (COTS) printer, HP LaserJet Pro Printer M402dn or HP LaserJet Pro Printer M402dne, for printing marked ballots.

Once the BMD generated ballot is printed it is then added to the Precinct Ballot Cart for transportation to the Central Tabulation Site in McConnellsburg, as are the hand marked ballots.

The BMD printed ballot is scanned into the system using the same tabulation devices as the hand marked ballots.

WAKE TSI did not review any of the BMD devices during this assessment.

6.2.2 Tabulation Machines

Fulton County does not utilize a tabulator at the precinct voting locations. All scanning and tabulation functions are completed at the central McConnellsburg location.

Fulton County utilizes the ImageCast Central Station (ICC), a ballot scanning and tabulating system that can be configured with high-speed COTS scanners, Canon Image Formula DR-G1130 or the Canon Image Formula DR-M160- II, to tabulate ballots in the central office.

Fulton County has labeled their devices ICC#1 and ICC#2. All reporting refers to these names and it is included in the log files from the server and tabulation machines.

6.3 EMS Training

At this time the Election Commission and County Staff have received a portion of the required training. The situation with training is that at the time of system purchase the then Election

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Director was retiring, and the current Election Director was not yet onboard. The Election Commission decided to postpone some of the training until the new Election Director was onboard.

Dominion “owes” the County training manuals, training and system manuals. The Election Commission expects that Dominion will provide those materials and training prior to the 2021 Municipal Primary which occurs May 18, 2021.

See the section below on Commonwealth training requirements for more details.

6.3.1 Election Commission

The Election Commissioners and the Election Director received some training from the EMS Vendor, Dominion. It is intended to familiarize the Commissioners and Election Director with the election process, conduct and security.

It is provided as part of the purchased contract for the system.

6.3.2 County Workers

This group includes the Election Director, IT support and others as needed. This training is also provided by the Vendor and is part of the system purchase contract. Dominion’s contract with the County provides for training for up to six (6) of the Counties personnel. More can be purchased as needed.

The training is provided as online videos, manuals and printed guides as well as in-person training as needed.

6.3.3 Poll Workers

The training for Poll Workers is mostly provided by the County, with assistance from Dominion. This training is based on Dominion materials but is modified to meet the needs of the County. Locality specific training is created and designed by the Election Director. It also includes instructional materials from the Vendor for the use of the Ballot Marking Devices in the Precincts.

6.3.4 Information Technology

The Vendor has not yet provided training materials or manuals for information technology support of the system.

The Vendor is scheduled to provide that information in 2021, prior to the May election.

6.3.5 Commonwealth Requirements for Training

Commonwealth law and County contracts require that Dominion must provide training and training materials as set forth below prior to the first use of the voting system in a primary or general election.

- a) A demonstration of, and training on, the setup and operation of the Voting System to the purchasing county’s board of elections’ members and staff and the county’s precinct election officials.

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- b) A training session on the Voting System’s election management system and/or EPBs for the purchasing county’s board of elections’ members and no less than two and no more than six staff members chosen by the board of elections. ***The training sessions must afford the board members and its staff the opportunity to learn how to setup and program an election, and if applicable design and layout ballots independently of the Supplier’s assistance and support.*** (Emphasis added by WAKE TSI)
- c) A training session on the following subjects for the purchasing county’s board of elections’ members and no less than two and no more than six staff members chosen by the board of elections:
 - a. programming of all voting units and ancillary devices;
 - b. tabulating results during the unofficial and official canvass;
 - c. ensuring accuracy and integrity of results;
 - d. preparing polling places and setting up the system for election day operation;
 - e. Training on accessibility options of the voting system
 - f. Election day operating procedures;
 - g. auditing procedures;
 - h. conducting a recount;
 - i. preserving records;
 - j. printing, designing, and formatting election reports;
 - k. troubleshooting common issues;
 - l. safeguarding and preventing tampering and unauthorized access to all parts of the Voting System; and
 - m. xiii. Post-election care, maintenance and storage.
- d) Any and all system manuals necessary to allow a purchasing county to operate the Voting System independently of the Supplier’s assistance and support.
- e) Training materials for a purchasing county board of elections to use when training its precinct election officials on how to setup, operate, and close down the Voting System on Election Day.

Dominion did not meet the training requirements for the reasons stated above and has continued to build the election system for the County for each of the elections since the system was installed.

6.4 EMS Last updated

The EMS was last updated on 10/13/2020. This update consisted of Dominion delivering the 2020 General Election Build to the County. No documentation of what this update consisted of was provided at the time of the upgrade.

As it turns out this was the actual election build and not an update to the EMS software and occurs three (3) weeks prior to the election. This update occurs at this point as it is after candidate’s final withdrawal date occurs.

The issue here is that the County does not receive a formal document that states what changes were made during the update.

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6.5 Error handling in the Election Management System

The allowable election error rate established by the Federal Election Commission guidelines is 1 in 250,000 ballots (.0004%). We observed 40 errors in the scanning log files for an error rate of 0.4988%.

6.5.1 Classification of Ballots

The Dominion Systems classify ballots into two categories, 1) normal ballots and 2) adjudicated ballots. Ballots sent to adjudication are from occurrence of an error during scanning such that the technology cannot determine the intent of the voter.

Ballots sent to adjudication must be altered by election administrators and adjudication files can be moved between different Results Tally and Reporting (RTR) terminals with no audit trail of which administrator actually adjudicates (i.e. votes) the ballot batch.

The lack of audit trail shows a serious flaw in the security and election integrity because the system does not provide a meaningful technology method for observation of the adjudication process or audit trail of which administrator actually adjudicated the ballots.

Fulton County has one (1) adjudication Results Tally and Reporting terminal. It is referred to as the Adjudication Workstation by County Employees and Contractors.

6.6 EMS Handling of Errors (Adjudication)

Fulton County's adjudication process consists of review of ballots that were not machine readable. The process is observed by three people. The County Solicitor provided that direction to the Election Director. The Commonwealth guidelines indicate that a minimum of two people must observe the adjudication process.

There were two sets of ballots that were adjudicated during the election. The first set were adjudicated by the Election Director and two other county employees on 11/06/2020. The second set was adjudicated by the Election Director in the presence of the Election Commission on 11/10/2020 during the election certification process.

The issues that resulted in adjudication were cases involving people voting for multiple candidates, write-in ballots and unclear markings.

The Dominion EMS does not provide a clear way to determine the number of adjudicated ballots, or their outcome, from log file reviews. While WAKE TSI can tell how many ballots were rejected by the electronic scanning system, which would indicate a need for adjudication, we cannot track what the final outcome of those ballots were. Outcomes could include; candidate selection, over or under vote conditions or ballot rejection.

The County did manually track and provide that information.

6.7 EMS System Configuration

WAKE TSI did not closely investigate the systems settings within the EMS System. If this had been a forensic analysis or some anomalies had been reported that level of effort would have

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been suggested. In this case our preliminary analysis did not indicate that level of investigation was required.

In all cases that where we reviewed the EMS settings and operating parameters, the County IT Support Technician keyed in all information and took us through the screens and settings of the system.

6.8 Review of EMS System Logs

WAKE TSI did review system logs from the EMS system. These are the logfiles that show configuration events (changes, errors, etc) as detected by the EMS itself. These were reviewed and showed the changes and scanning errors as would be expected.

These files are not encrypted and can be accessed via a text editing tool.

6.9 Configuration files

WAKE TSI did review the EMS configuration files. These were reviewed to validate that the system changes that the County informed us had occurred were indeed what the system had logged as well. All log files matched expected events and changes.

6.10 EMS Backups

The County IT Support person conducted EMS backups at regular times. All of the backups were conducted when changes were to be made to the systems and when reporting was being conducted.

There were EMS backups from all election periods and during all election system definitions. The county IT person also backed up the EMS prior to our arrival to ensure that we had no impact on the system configuration or data.

7 Computer Hardware

On the Server machine all data files are retained for all elections the system is utilized for.

The tabulation machines, EMS workstation and adjudication workstation contain the current, 2020 General Election, data. On these machines the previous election files are overwritten when the next election's preparations are installed.

All systems were Dell OptiPlex workstations running Microsoft Windows 10 workstation. These workstations are listed as part of the system components on the PA DOS website and in the certification reports for the system.

The ICC workstations had Cannon scanners attached as suggested in the Commonwealth's certification documents.

7.1 Disk Drives

None of the internal disk drives for any of the systems were encrypted. This would allow a malicious actor to remove the disk drive from the system and read the files on an external system, if they were able to gain physical access to the system.

8 Computer Operating System (OS)

The Dominion Election Management System application runs on the Microsoft Windows Operating System (OS). The Fulton County machines had version 10 of the operating system installed.

As a security best practice the OS should be reduced to remove extraneous applications that are not needed for the operation of the voting system. This includes applications like MS Office stubs / Get Office, Calendar, Mail, News, Microsoft Solitaire Collection, Games, Xbox, Store, 3D Builder, Alarms and Clock, Calculator, Camera, Contact Support, Cortana, Skype, Get Started, Groove Music, Maps, MS Edge, Money, Movies & TV, OneNote, Phone Companion, People, Photos, Sports, Voice Recorder, Weather and any extra OEM hardware applications.

The Fulton County systems did not have these applications removed. The Democracy Suite was “certified” by the State of Pennsylvania with these applications and as such had to be installed with these extraneous applications.

8.1 Other Required Microsoft and Third-Party Products

The certification report list fifty-two (52) Microsoft and other third-party products required to run the election management system. All of the listed products had been installed as of the date of our examination.

Since this was not a technology forensic examination of the system, we did not go into the details of whether they were changed since installation or whether they were the correct versions as listed in the certification report.

The one major area of concern with installed software is that Dominion has installed the Microsoft SQL Server Data Tools (SSDT) on the server. This software is not part of the EAC certified configuration and makes the system certification invalid.

There is no valid reason for Microsoft SQL Server Data Tools (SSDT) to be installed on the EMS. This software toolbox allows any user with access to change and manipulate the EMS databases without logging (recording) to the Database, EMS or OS logfiles.

Dominion has installed this toolbox on all installations of their software that we have inspected.

8.2 Patches

The operating systems (OS) were checked to ensure that modules were up to date on security patches and fixes, to review the date that the patches were installed, and to ensure that no malware was present on the machines used by the voting system.

Patches were **NOT** up to date; they had been installed over a year before the election. The reason for this is because the Election Management System Certification Process does not allow any changes to the EMS once it has been certified without complete recertification and that includes changes to the operating system. This makes the Operating System vulnerable to cyber-attack if it is attached to the Internet.

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There are multiple ways that the Windows Workstation Operating System can be updated. The first is a direct connection to Microsoft via the Windows Update Manager in settings, which requires an Internet connection. The second approach is through Windows Server Update Services (WSUS). The third approach is via System Center Configuration Manager SCCM. The fourth approach is through a manual process of going to the Microsoft Windows website and downloading the patch manually. Error logs and file dates show that none of these approaches were used on any of the operating systems that the EMS resides on.

8.3 MS Defender Anti-Virus

The Microsoft Defender Antivirus is included with the Windows 10 OS. This application was not configured on any of the five devices that make up the EMS. None of the five machines had current antivirus patches.

8.4 OS Log Files

All expected OS log files were present on all five devices running Microsoft Windows 10. They all had entries from installation through our inspection and none showed any evidence of tampering.

The operating system log files on the devices showed that they had never been connected to the Internet or to any external network.

9 Extraneous (Non-EMS, Non-OS) Applications

For all computers used for a specific purpose, security best practices dictate that the machines are used solely for that single application. In this case the EMS. No other applications should be installed on the device unless it is required for the explicit use of the voting system.

The Fulton County systems did not have any external (non-OS or Election) applications installed that were not utilized by the Election Management System, other than the extraneous Microsoft software that comes with version 10 of the OS and the SQL toolbox files discussed previously.

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10 Applicable Federal and State Laws

WAKE TSI is not a law firm, nor are we legislators, however the seeming discrepancies between the laws laid down by the Federal Government, the Commonwealth of Pennsylvania and what is done by the EMS vendor does not seem to be in synch.

So far we have discussed discrepancies in training, provisioning of Logic and Accuracy documentation, extraneous software tools and attestation when system components are changed or replaced.

The following is intended to provide the background about why we think these are issues that need to be addressed by the Commonwealth and the Vendor.

10.1 Federal Statutes (HAVA)

The Help America Vote Act of 2002, or HAVA, is a United States federal law which passed and was signed into law by President Bush on October 29, 2002.

The goals of HAVA are:

1. replace punch card and lever-based voting systems;
2. create the Election Assistance Commission to assist in the administration of federal elections; and
3. establish minimum election administration standards.

HAVA mandates that all states and localities upgrade many aspects of their election procedures, including their voting machines, registration processes and poll worker training. The specifics of implementation have been left up to each state, which allows for varying interpretations of the federal law.

10.1.1 State Funding, Planning & Reporting for HAVA

A description of the HAVA law on WIKIPEDIA describes the application approach to be taken for States to apply for HAVA funding. We have quoted WIKIPEDIA below:

[“To be eligible for federal funding, states must submit a plan describing how payments will be used and distributed, provisions for voter education and poll worker training, how to adopt voting system guidelines, performance measures to determine success \(including goals, timetables, responsibilities, and criteria\), administrative complaint procedures, and the committee who helped develop the state plan.](#)

[Each year the state receives federal funding they must submit a report to the Election Assistance Commission \(EAC\) detailing a list of expenditures, the number of and types of voting equipment obtained with the funds, and an analysis and description of the activities funded.”](#)

HAVA rules have changed many election functions from being local community responsibilities to Statewide requirements. These include: Voter Registration codified in the 1993 National Voter Registration Act (NVRA), Voter identification requirements, provisional ballot creation and the HAVA law created the Election Assistance Commission (EAC).

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HAVA also provides funds for making polling places accessible to individuals with disabilities. This includes the purchase of Ballot Marking Devices and the conversion of older buildings to become ADA compliant.

10.2 State Statutes

WAKE TSI is discussing the statutes below since it would appear that discrepancies exist between Pennsylvania Department of State (DOS) conduct and Federal and Commonwealth Laws.

10.2.1 Ballot Secrecy

“The Pennsylvania Constitution mandates secrecy of the vote. Consequently, Mail-In ballots are separated from their outer envelopes before being counted so that no one can determine how the mail-in ballot voter votes. Pa. Const. art. VII, § 4.” This was a statement made by the DOS in a letter to Representative Seth Grove.

This is why in the Poll Book Section we questioned why the Department of State (DOS) representatives looked through the Poll Book and then selected ballots for a “random” ballot count. No one is supposed to know who voted for which candidates, but it would seem that the DOS is aware of how constituents voted through the matching of ballot scanning order to the Poll Book and numbered tags on the ballots.

10.2.2 HAVA discrepancy

The Commonwealth’s schedule of elections for 2021 is shown below. There is a disclaimer with this document that any of the dates are subject to change without notice. The purpose in showing this schedule is to indicate that the setup of the election files within the individual elections are not considered to be changes to the election system itself. If the election setup was included, then the Commonwealth would not be in compliance with HAVA 90-day rules for no changes allowed to the EMS prior to an election.

Date	Scheduled Activity	Days to Election
16-Feb	First day to circulate and file nomination petitions	91
17-Feb	HAVA 90-day cutoff for changes to EMS	90
9-Mar	Last day to circulate and file nomination petitions	70
10-Mar	First day to circulate and file nomination papers	69
16-Mar	Last day to file objections to nomination petitions	63
24-Mar	Last Day for withdrawal by candidates who filed nomination petitions	55
20-APR	** Approximate Date of Election Setup to be expected by County	28
3-May	Last day to REGISTER before the primary	15
11-May	Last day to apply for a mail-in or civilian absentee ballot	7
18-May	Last day for County Board of Elections to receive voted mail-in and civilian absentee ballots (must be received by 8:00 PM)	0

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18-May	Municipal Primary Election	
19-May	First day to REGISTER after primary	167
25-May	Last Day for County Board of Elections to receive voted Military and overseas absentee ballots (submitted for delivery no later than 11:59 PM on May 17)	161
2-Aug	Last day to circulate and file nomination papers	92
4-Aug	HAVA 90-day cutoff for changes to EMS	90
9-Aug	Last day to file objections to nomination papers	85
9-Aug	Last Day for withdrawal by candidates nominated by nomination papers	85
9-Aug	Last day for withdrawal by candidates nominated at the primary	85
5-Oct	**Approximate Date of Election Setup to be expected by County	28
18-Oct	Last day to REGISTER before the November election	15
26-Oct	Last day to apply for a mail-in or civilian absentee ballot	7
2-Nov	Last day for County Board of Elections to receive voted mail-in and civilian absentee ballots (must be received by 8:00 PM)	0
2-Nov	Municipal Election	
3-Nov	First day to REGISTER after November election	
9-Nov	Last Day for County Board of Elections to receive voted Military and overseas absentee ballots (submitted for delivery no later than 11:59 PM on November 1)	

Table 5 - **These dates are estimates based upon previous election installations as shown by log files on the systems. They ranged from 3 to 4 weeks before the election in all three cases.

10.2.3 Commonwealth Election Data Retention

The list of statutes below provides the retention timeframes for election data. This list is from the DOS website at the following link:

<https://www.dos.pa.gov/VotingElections/Documents/Elections%20Division/Administration/Election%20statutory%20reference%20guide.pdf>

The DOS does not provide direct access (links) to any of the statutes from their website. We were unable to find a complete retention list from any Pennsylvania Department web site.

Data Area for Retention	Statutes	Months
Absentee ballot records	25 P.S. § 3146.9	22
County election records (generally)	25 P.S. § 2649	22
Copies of district records retained by minority inspector	25 P.S. § 3065(b)	
Federal election records retention	42 U.S.C. § 1974	22
Preservation of nomination petitions, certificates and papers	25 P.S. § 2943	
Preservation of campaign finance reports	25 P.S. § 3259(4)	
Record of ballots	25 P.S. § 2971	
Voter Registration Records (generally)	25 Pa.C.S. § 1405; 4 Pa. Code § 183.12	24
Voter Registration Records (cancelled voters)	25 Pa.C.S. § 1904(a)	

The DOS does not provide direct access (links) to any of the statutes from their website. We were unable to find a complete retention list from any Pennsylvania Department web site via a

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DUCK-DUCK-GO web search or from a Google Search. Nor did we find the election statutes from any DOS or pavotes.gov website search. We did finally locate all record retention timeframes for elections in the County Records Manual. This is a PDF document issued by the County Records Committee by the Pennsylvania Historical and Museum Commission Bureau of the State Archives Harrisburg. This is the organization assigned the responsibility for retaining all State records.

Please see Appendix H – Pennsylvania Election Record Retention Rules for a complete list of all election records to be retained, timeframes for retention and the supporting statute that orders the retention.

10.3 Pennsylvania Certified EMS

“Article XI-A of the Pennsylvania Election Code, 25 P.S §§ 3031.1 et seq., authorizes the use of electronic voting systems. Section 1105-A of the Election Code, 25 P.S. § 3031.5, requires that the Secretary of the Commonwealth (Secretary) examine all electronic voting systems used in any election in Pennsylvania and that the Secretary make and file a report stating whether, in his opinion, the electronic voting system can be safely used by voters and meets all the applicable requirements of the Pennsylvania Election Code.”

The above quote is the opening paragraph from each certification report signed by the Pennsylvania Secretary of State, or Acting Secretary of State, as was the case in January 2019 when the Election Management System used in Fulton County was certified by the Commonwealth of Pennsylvania.

The Dominion Democracy Suite 5.5A was certified by the State of Pennsylvania Acting Secretary of State Kathy Boockvar on January 17, 2019.

“Upon the request of Dominion Voting Systems Inc. (Dominion), the Department of State's Bureau of Commissions, Elections and Legislation (Department) scheduled an examination for October 15, 2018 of the Democracy Suite 5.5 voting system. The voting system presented for certification in Pennsylvania included the Democracy Suite Election Management System (EMS) election management software used in conjunction with the following components: 1) ImageCast® X (ICX) Ballot Marking Device (BMD), a ballot marking device with Commercial Off The Shelf (COTS) printer, HP LaserJet Pro Printer M402dn/HP LaserJet Pro Printer M402dne, for printing marked ballots; 2) ImageCast Precinct Scanner (ICP), a precinct optical scan ballot tabulator that scans, validates and tabulates hand-marked paper ballots and ballots produced on the BMD; and 3) ImageCast Central Station (ICC), a ballot scanning and tabulating system that can be configured with high speed COTS scanners Canon Image Formula DR-G1130 /Canon Image Formula DR-M160- II to tabulate ballots in central office.

The Acting Secretary appointed SLI Global Solutions (SLI) and the Center for Civic Design (CCD) as professional consultants to conduct the examination of Democracy Suite 5.5.”

Fulton County Pennsylvania Election Assessment



Information above is quoted from the Pennsylvania certification report of the Dominion Democracy 5.5A Suite.

Please see the entire certification report for the Dominion Democracy Suite 5.5A system at the DOS website:

<https://www.dos.pa.gov/VotingElections/Documents/Voting%20Systems/Dominion%20Democracy%20Suite%205.5-A/Dominion%20Democracy%20Suite%20Final%20Report%20scanned%20with%20signature%200011819.pdf>

11 Election System Certifications

The EMS has to be certified first by the Federal government and then by the State government prior to a County being able to buy the system. This true for all States and Counties participating in the **voluntary** EMS certification program in the United States.

11.1 Election Assistance Commission (EAC) Certification

The Election Assistance Commission was created by the Help America Vote Act (HAVA) and is a voluntary program which 40 states participate in. The current guidelines are Voluntary Voting System Guidelines Version 1.0 (VVSG 1.0), published in All information provided in this section is from the EAC website. We left all links active so that anyone may easily follow up in areas of interest.

The U.S. Election Assistance Commission (EAC) was established by the [Help America Vote Act of 2002 \(HAVA\)](#). EAC is an independent, bipartisan commission charged with developing guidance to meet HAVA requirements, adopting [voluntary voting system guidelines](#), and serving as a [national clearinghouse](#) of information on election administration. EAC also [accredits testing laboratories and certifies voting systems](#), as well as [audits](#) the use of HAVA funds.

Other responsibilities include maintaining the [national mail voter registration form](#) developed in accordance with the [National Voter Registration Act of 1993](#).

HAVA established the [Standards Board](#) and the [Board of Advisors](#) to advise EAC. The law also established the [Technical Guidelines Development Committee](#) to assist EAC in the development of [voluntary voting system guidelines](#).

The four [EAC commissioners](#) are appointed by the president and confirmed by the U.S. Senate. EAC is required to submit an [annual report](#) to Congress as well as testify periodically about HAVA progress and related issues. The commission also holds [public meetings and hearings](#) to inform the public about its progress and activities.

HAVA also requires that EAC provide certification, decertification, and recertification of voting systems and the accreditation of testing laboratories, marking the first time the federal government will be responsible for these

Fulton County Pennsylvania Election Assessment



activities. Under HAVA, the National Institute of Standards and Technology (NIST) will assist the EAC with the certification program through its National Voluntary Laboratory Accreditation Program (NVLAP), and will provide recommendations to the EAC regarding laboratory accreditation. EAC will make the final decision to accredit laboratories based upon the information provided by NVLAP. ***Participation by states in EAC's certification program is voluntary; however, over 40 states currently require EAC certification, or some component of the EAC program, for the voting systems used in their jurisdictions.*** Highlighting provided by WAKE TSI.

The purpose of EAC's national voting system certification program is to independently verify that voting systems comply with the functional capabilities, accessibility, and security requirements necessary to ensure the integrity and reliability of voting system operation, as established in the Voluntary Voting System Guidelines (VVSG).

11.2 State Certification

The Dominion Democracy Suite 5.5A was certified on 01/17/2019 for the General and Primary Elections occurring in 2019. The Secretary appointed SLI Global Solutions (SLI) and the Center for Civic Design (CCD) as professional consultants to conduct the examination of Democracy Suite 5.5. The certification process was approved by, and the report was approved and signed by Acting Secretary of the Commonwealth, Kathy Bookvar.

11.3 County Implementation Attestation (IA)

As part of our review of the Dominion certifications at each of the three (3) required levels WAKE TSI requested the completed and signed Attestation Form from the County which should have been created with Dominion when they installed the Fulton County Systems in 2019. The form in Appendix G is the Pennsylvania template for the IA Form, which is then followed by the completed Dominion form.

The purpose of the Attestation is to indicate that the Vendor (Dominion) has provided the components required that have previously been certified by the Department of State of the Commonwealth of Pennsylvania.

The County upgraded a scanner, but a second attestation was not completed at that time. These forms are proof that that system has been installed completely and accurately and must be completed with each system change.

11.3.1 Components not provided

Dominion "owes" the County training manuals, training and system manuals. The Election Commission expects that Dominion will provide those materials and training prior to the 2021 Municipal Primary which occurs in May 2021.

The Vendor has not yet provided training materials or manuals for information technology support of the system.

Fulton County Pennsylvania Election Assessment



11.3.2 Dominion statement about certification

When WAKETS I first sought to review the Implementation Attestation document the Election Commission and the Election Director could not immediately locate the IA form. Since they could not find it in their own records the Election Commission asked Dominion for a copy of this form. Dominion then told the County that it had not been completed because it was “optional”. This statement does not agree with “Section IV Conditions for Certification” of the “Dominion Democracy Final Report scanned with signature 020119.pdf” page 40 that states the following:

“Given the results of the examination that occurred in October and December 2018 and the findings of the Examiners as set forth in their reports, the Secretary of the Commonwealth certifies the Democracy Suite 5.5A subject to the following conditions:”

Section IV, Item

“K. All jurisdictions implementing Democracy Suite 5.5A **must** work with Dominion to ensure that **only** the certified system configuration is installed on purchase or anytime a system component is replaced or upgraded. Jurisdictions must as part of their user acceptance test verify the implementation to ensure that the components, software and firmware belong to the certified system. Jurisdictions **must** also perform a trusted build validation as part of the election preparation activities and post-election canvass activities utilizing the vendor supplied methods of validation and verification of voting system integrity. A sample format that can be used for the attestation is added as Attachment C to this document.”

The use of the word MUST is a legal term that is enforceable. *Fulton County had their original Implementation Attestation completed but it would seem that they have never had a Logic and Accuracy test documented.* This is not to say whether or not the L&A testing has been completed, but there is nothing documenting that the process was completed.

It would seem that Dominion does not retain the documentation of what work they are completing even when that documentation is of great importance to the election integrity of this Country.

11.3.3 Logic & Accuracy Testing Requirement

The L&A testing is a before and after certification that is supposed to occur within 15 days before and within 15 days after every election. This is a technology certification to ensure that the system is able to read the scanned document and apply the Vote correctly to the candidate that was chosen.

Section IV Item E **REQUIRES** that: “All jurisdictions implementing the Democracy Suite 5.5A need to carry out a full Logic and Accuracy test on each device without fail and **maintain evidence of Logic and Accuracy (L&A)** testing in accordance with the statutory requirements for pre-election and post-election

Fulton County Pennsylvania Election Assessment



testing. Jurisdictions must include audio ballots and accessible devices during L&A testing. The Department does not recommend automated L&A testing, and discourages the use of preprinted ballots provided by vendors. All components being used on election day, including any Electronic Poll Books being used, must be part of the L&A testing. Counties must ensure that the L&A test cases include all applicable scenarios of the PA straight party method identified in Attachment C to the Directive for electronic voting systems published by BCEL on September 11, 2017.

As WAKETS I stated in the previous section no L&A testing has been documented. No documented attestation form nor L&A can be provided from when a scanner was upgraded. These may seem like minor issues until one understands the impacts that issues of accurate scanning have on the election process. The positions of each candidate's voting circle is programmed into the Election Management System. If the alignment of that circle is off by a tiny fraction of an inch the system will not be able to properly read the ballot. The ballot will then be moved to adjudication where the Voter's selection of candidate is open to "interpretation" by the person or persons conducting the adjudication process.

A simple human error, or a bad actor, could cause huge issues with accurate ballot counting if it is not caught by proper testing both before and after an election, as is required by the Commonwealth of Pennsylvania. This problem falls not only on Dominion, but also on the Commonwealth's Department of State for not enforcing their own certification guidelines.

11.3.4 Dominion addition of non-certified software

Dominion has added the Microsoft SQL Server Data Tools (SSDT) to their installations. This toolset is not an authorized portion of the system as certified by the EAC or the Commonwealth of Pennsylvania.

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12 Appendix A – Sample Ballots

The enclosed sample ballot is from the Fulton County web site and are downloadable from the web site in PDF format.


The watermark of “SPECIMEN” is removable using Adobe Acrobat or a similar tool. The only difference between the Sample Ballots and the Regular Ballots is the machine-readable precinct Identification on the Actual ballots is not printed on the Actual Ballots.

We provided a sample for Ayr Township Precinct as the others follow the same standards as does this sample.

The ballots for all precincts contained the same election information for contests and candidates.

OFFICIAL BALLOT
FULTON COUNTY, PENNSYLVANIA
GENERAL ELECTION, NOVEMBER 3, 2020
AYR TOWNSHIP

INSTRUCTIONS TO THE VOTER



1. TO VOTE YOU MUST COMPLETELY BLACKEN THE OVAL (●) TO THE RIGHT OF YOUR CHOICE. An oval darkened to the right of any candidate indicates a vote for that candidate.
2. To cast a write-in vote for a person whose name is not on the ballot, you must darken the oval to the right of the line provided and print the name in the blank space provided for that purpose.
3. Use only a black pen or marker.
4. If you make a mistake, ask for a new ballot.

WARNING: If you receive an absentee or mail-in ballot and return your voted ballot by the deadline, you may not vote at your polling place on election day. If you are unable to return your voted absentee or mail-in ballot by the deadline, you may only vote a provisional ballot at your polling place on election day, unless you surrender your absentee or mail-in ballot and envelope to the judge of elections to be voided to vote by regular ballot.

PRESIDENTIAL ELECTORS (Vote for the candidates of ONE party for President and Vice-President or insert the names of candidates)	AUDITOR GENERAL (VOTE FOR ONE)	REPRESENTATIVE IN CONGRESS 13th District (VOTE FOR ONE)
Joseph R Biden <input type="radio"/>	Nina Ahmad <input type="radio"/> Democratic	Todd Rowley <input type="radio"/> Democratic
Kamala D Harris <input type="radio"/> Democratic	Timothy DeFoor <input type="radio"/> Republican	John Joyce <input type="radio"/> Republican
Donald J Trump <input type="radio"/> Republican	Jennifer Moore <input type="radio"/> Libertarian	Write-In <input type="radio"/>
Michael R Pence <input type="radio"/> Republican	Olivia Faison <input type="radio"/> Green Party	REPRESENTATIVE IN THE GENERAL ASSEMBLY 78th District (VOTE FOR ONE)
Jo Jorgensen <input type="radio"/> Libertarian	Write-In <input type="radio"/>	
Jeremy Spike Cohen <input type="radio"/> Libertarian		
Write-In <input type="radio"/>		
	STATE TREASURER (VOTE FOR ONE)	Jesse Topper <input type="radio"/> Republican
ATTORNEY GENERAL (VOTE FOR ONE)	Joe Torsella <input type="radio"/> Democratic	Write-In <input type="radio"/>
Josh Shapiro <input type="radio"/> Democratic	Stacy L Garrity <input type="radio"/> Republican	
Heather Heidelbaugh <input type="radio"/> Republican	Joe Soloski <input type="radio"/> Libertarian	
Daniel Wassmer <input type="radio"/> Libertarian	Timothy Runkle <input type="radio"/> Green Party	
Richard L Weiss <input type="radio"/> Green Party	Write-In <input type="radio"/>	
Write-In <input type="radio"/>		

Members of the Board of Elections
Fulton County, Pennsylvania

Fulton County Pennsylvania Election Assessment



13 Appendix B – Ballot Scanning Log

ICC # 2 Ballot Scanning Log

Batch #	Municipality	Qty	MI	ED	PR
1	Ayr	73	✓		
2	Ayr	105	✓		
3	Belfast	50	-		
4	Belfast	61	✓		
5	Bethel	64	✓		64
6	Bethel	72	✓		
7	Brush Creek	59	✓		
8	Dublin	69	✓		
9	Dublin	1	✓		
10	Licking Creek	108	✓		
11	Ayr	9	✓		
12	Bethel	5	✓		
13	Brush Creek	2	✓		
14	Dublin	1	✓		
15	Licking Creek	5	✓		
20	Dublin	50		✓	
2	Dublin	50		✓	
3	Dublin	50		✓	
4	Dublin	50		✓	
5	Dublin	50		✓	
6	Dublin	50		✓	
7	Dublin	50		✓	
8	Dublin	50		✓	
9	Dublin	50		✓	
10	Dublin	43		✓	
11	Dublin	50		✓	
12	Bethel	50		✓	
13	Bethel	50		✓	
14	Bethel	50		✓	

Fulton County Pennsylvania Election Assessment



14 Appendix C – Ballot Tally & Tracking Template

This is the template used for tracking paper ballots and the paper for the BMD devices which is distributed to each Precinct and then returned to the County offices after the election was completed.

Exact counts are kept ensuring that no paper for the BMD or printed election ballots are unaccounted for.

BRING ALL COPIES BACK TO THE ELECTIONS OFFICE

GENERAL RETURNS OF VOTES CAST

TALLY FOR PAPER BALLOTS PROVIDED		TO BE COMPLETED AT COUNTY ELECTIONS OFFICE
<p>1. Number of BALLOTS received from the County</p> <p>1. TOTAL BALLOTS (No. LOW # HIGH #)</p> <hr/> <p>2. v. Total Voted (USED) ballots (NOT including Spoiled & Provisionals)</p> <p>s. Number of Spoiled AND Spoiled-ICX ballots</p> <p>p. Number of Ballots used as Provisional ballots</p> <p>u. Number of clean, Un-voted (UNUSED) ballots (No. LOW # HIGH #)</p> <p>NOW: Add lines v, s, p, and u – This should EQUAL #1</p> <p>TOTAL BALLOTS</p>	<p style="text-align: center;">TALLY FOR ICX MACHINE BALLOTS ONLY</p> <p># OF VOTED BALLOTS</p> <p># OF SPOILED BALLOTS</p> <p>TOTAL # OF ICX BALLOTS PRINTED</p>	

STATEMENT: We the Election Officials certify that we have followed all procedures prescribed by law and have enclosed the specified items from the election held at: _____ Township/Borough

PLEASE SIGN ALL COPIES (once completed)

Judge of Elections _____ Majority Inspector _____

Minority Inspector _____

TO BE COMPLETED AT COUNTY ELECTIONS OFFICE

ABSENTEE BALLOTS

Number of Absentee ballots a _____

TOTAL NUMBER OF VOTERS: _____

GENERAL RETURNS OF VOTES CAST

Page 1 of 3

Fulton County Pennsylvania Election Assessment



15 Appendix D – Security Tag Tracking Template

This template is utilized when security tags are removed and then replaced from the ballot carts, BMD devices or supply carts.

ELECTION BOXES TAG CONFIRMATION REPORT

	Machine		Election Supply Bag (Blue)				VOTED BALLOT BOX (TEAL)					
			TAGS ALREADY ON THE MACHINE		CURRENT "DO NOT REMOVE" Tag		CURRENT Zipper Tag		End of night Tag	BOX IS EMPTY	ZIPPER TAG	BALLOT INSERT TAG
			NUMBER	INITIALS	NUMBER	INITIALS	NUMBER	INITIALS	INITIALS	NUMBER	INITIALS	
Ayr												
Belfast												
Bethel												
Brush Creek												
Dublin												
Licking Creek												
McConnellsburg												
Taylor												
Thompson												
Todd												
Union												
Valley Hi	XXXX	XXXX										
Wells	XXXX	XXXX										
<i>If it does not match, write the correct seal number above it.</i>												
<i>Sign and date this form to verify security tag numbers.</i>												
JUDGE OF ELECTION SIGNATURE			INSPECTOR OF ELECTION SIGNATURE				INSPECTOR OF ELECTION SIGNATURE					
DATE			DATE				DATE					

**Fulton County Pennsylvania
Election Assessment**



16 Appendix E – County General Certificate of Results

Official County report of election results signed by all required parties.

GENERAL CERTIFICATE OF RESULT

OF ALL VOTES CAST

AT THE

2020

GENERAL

ELECTION

November 3, 2020

Fulton County Pennsylvania Election Assessment



CERTIFICATION OF COMPUTATION OF ELECTION RESULTS

Computation 1 Cover Sheet

The following is the computation of all election day ballots, provisional ballots, military and overseas ballots, and only those civilian absentee and mail-in ballots received by 8:00 pm on November 3, 2020.

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PENNSYLVANIA
DEPARTMENT OF STATE

2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART 1

OFFICE POSITIONS SHALL APPEAR ON VOTING MACHINE OR PAPER BALLOT IN SAME ORDER AS LISTED

INSERT VOTES IN DIGITS

PRESIDENT OF THE UNITED STATES

VOTE FOR ONE

DISTRICT: STATEWIDE

JOSEPH R BIDEN 1209 BARLEY MILL ROAD WILMINGTON DE 19807-	DEMOCRATIC	1,085
VICE-PRESIDENT: KAMALA D HARRIS		
DONALD J TRUMP 1100 SOUTH OCEAN BOULEVARD PALM BEACH FL 33480-	REPUBLICAN	6,824
VICE-PRESIDENT: MICHAEL R PENCE		
JO JORGENSEN 300 BUTLER AVENUE GREENVILLE SC 29601-	LIBERTARIAN	68
VICE-PRESIDENT: JEREMY SPIKE COHEN		
CARROLL, BRIAN	WRITE-IN	1
HAWKINS, HOWIE	WRITE-IN	3

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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART 1

OFFICE POSITIONS SHALL APPEAR ON VOTING MACHINE OR PAPER BALLOT IN SAME ORDER AS LISTED

INSERT VOTES IN DIGITS

ATTORNEY GENERAL

VOTE FOR ONE

DISTRICT: STATEWIDE

JOSH SHAPIRO 1550 CLOVERLY LN JENKINTOWN PA 19046-	DEMOCRATIC	1,106
HEATHER HEIDELBAUGH 141 WOODHAVEN DRIVE PITTSBURGH PA 15228-	REPUBLICAN	6,557
DANIEL WASSMER 1433 ROUTE 590 HOWLEY PA 18428-	LIBERTARIAN	114
RICHARD L WEISS 107 OLD VILLAGE LANE BETHEL PARK PA 15102-	GREEN	37
SIMPSON, STURGILL	WRITE-IN	1

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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART 1

OFFICE POSITIONS SHALL APPEAR ON VOTING MACHINE OR PAPER BALLOT IN SAME ORDER AS LISTED

INSERT VOTES IN DIGITS

AUDITOR GENERAL

VOTE FOR ONE

DISTRICT: STATEWIDE

NINA AHMAD 405 E GOWEN AVE PHILADELPHIA PA 19119-	DEMOCRATIC	937
TIMOTHY DEFOOR 1300 ELLIS DRIVE HARRISBURG PA 17110	REPUBLICAN	6,596
JENNIFER MOORE 209 LOVERS LN UPPER PROVIDENCE PA 19453-	LIBERTARIAN	179
OLIVIA FAISON 5522 SPRUCE ST PHILADELPHI PA 19139-	GREEN	49
STRINGS, BILLY	WRITE-IN	1

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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART 1

OFFICE POSITIONS SHALL APPEAR ON VOTING MACHINE OR PAPER BALLOT IN SAME ORDER AS LISTED

INSERT VOTES IN DIGITS

STATE TREASURER

VOTE FOR ONE

DISTRICT: STATEWIDE

JOE TORSELLA 602 CREEK LANE FLOURTOWN PA 19031	DEMOCRATIC	1,040
STACY L GARRITY 383 GATEWAY INDUSTRIAL PARK ROAD ATHENS PA 18810-	REPUBLICAN	6,557
JOE SOLOSKI 141 BUCKHORN RD PORT MATILDA PA 16871-	LIBERTARIAN	122
TIMOTHY RUNKLE 15 TEAKWOOD CIRCLE ELIZABETHTOWN PA 17022-	GREEN	41
STAPLETON, CHRIS	WRITE-IN	1

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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART 1

OFFICE POSITIONS SHALL APPEAR ON VOTING MACHINE OR PAPER BALLOT IN SAME ORDER AS LISTED

INSERT VOTES IN DIGITS

REPRESENTATIVE IN CONGRESS

VOTE FOR ONE

DISTRICT: 13

TODD ROWLEY 742 CAMP RUN ROAD SOMERSET	PA 15501	DEMOCRATIC	1,055
JOHN JOYCE 198 STONEHEDGE ROAD HOLLIDAYSBURG	PA 16648	REPUBLICAN	6,783
GRAHAM, JOHN R. III		WRITE-IN	1
GUNNELL, JAMES		WRITE-IN	1

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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART 1

OFFICE POSITIONS SHALL APPEAR ON VOTING MACHINE OR PAPER BALLOT IN SAME ORDER AS LISTED

INSERT VOTES IN DIGITS

REPRESENTATIVE IN THE GENERAL ASSEMBLY

VOTE FOR ONE

DISTRICT: 78

JESSE TOPPER	REPUBLICAN	
242 E. SIMPSON ST		
BEDFORD	PA 15522	7,261

Fulton County Pennsylvania Election Assessment



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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: PRESIDENT OF THE UNITED STATES DISTRICT: Statewide
NAME: Scattered
ADDRESS:
CITY: STATE: ZIP: 9

OFFICE: PRESIDENT OF THE UNITED STATES DISTRICT: Statewide
NAME: Carroll, Brian
ADDRESS:
CITY: STATE: ZIP: 1

OFFICE: PRESIDENT OF THE UNITED STATES DISTRICT: Statewide
NAME: Hawkins, Howie
ADDRESS:
CITY: STATE: ZIP: 3

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: ATTORNEY GENERAL DISTRICT: Statewide
NAME: Simpson, Sturgill
ADDRESS:
CITY: STATE: ZIP: 1

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: AUDITOR GENERAL DISTRICT: Statewide
NAME: Scattered
ADDRESS:
CITY: STATE: ZIP: 2

Fulton County Pennsylvania Election Assessment



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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: AUDITOR GENERAL DISTRICT: Statewide
 NAME: Strings, Billy
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____ 1

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: STATE TREASURER DISTRICT: Statewide
 NAME: Stapleton, Chris
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____ 1

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: REPRESENTATIVE IN CONGRESS DISTRICT: 13th Congressional District
 NAME: Scattered
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____ 1

OFFICE: REPRESENTATIVE IN CONGRESS DISTRICT: 13th Congressional District
 NAME: Graham, John R. III
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____ 1

OFFICE: REPRESENTATIVE IN CONGRESS DISTRICT: 13th Congressional District
 NAME: Gunnell, James
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____ 1

Fulton County Pennsylvania Election Assessment



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2020 GENERAL Election BALLOT CERTIFICATION

FULTON COUNTY (29)

BALLOT POSITION AND ELECTION RESULT SECTION PART IV
USE THIS PAGE TO RECORD VOTE TOTALS AND CANDIDATE INFORMATION FOR WRITE-IN VOTES CAST
INSERT VOTE IN DIGITS

OFFICE: REPRESENTATIVE IN THE GENERAL ASSEMBLY DISTRICT: 78th Legislative District
NAME: Scattered
ADDRESS:
CITY: STATE: ZIP: 63

Fulton County Pennsylvania Election Assessment



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2020 GENERAL Election BALLOT CERTIFICATION

Fulton County Pennsylvania Election Assessment



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2020 GENERAL Election BALLOT CERTIFICATION

OFFICE OF THE COUNTY BOARD OF ELECTIONS
CERTIFICATION AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA
FULTON COUNTY (29)

COUNTY OF FULTON MCCONNELLSBURG, PA 17233

WE HEREBY CERTIFY THAT THESE 11 PAGES ARE THE OFFICIAL RETURNS AS THEY APPEAR ON RECORD OF
THE VOTES CAST AT THE GENERAL ELECTION HELD 11/3/2020

IN WITNESS WHEREOF, WE HAVE HEREUNTO SET OUR HANDS AND SEAL OF OFFICE THIS
23 DAY OF November, 2020

SEAL

[Signature]
[Signature]
[Signature]
COUNTY BOARD OF ELECTIONS

ATTEST:

[Signature]
CLERK

Fulton County Pennsylvania Election Assessment



Page: 1 of 4

11/23/2020 11:12:37 AM

Election Summary Report

General Election

Fulton County

November 03, 2020

Summary for: All Contests, All Districts, All Tabulators, All Counting Groups

Precincts Reported: 13 of 13 (100.00%)
Registered Voters: 8,034 of 9,829 (81.74%)
Ballots Cast: 8,034

Presidential Electors (Vote for 1)

Precincts Reported: 13 of 13 (100.00%)

		Election Day	Mail-In	Absentee	Provisional	Total	
Times Cast		6,681	1,226	0	127	8,034 / 9,829	81.74%
Candidate	Party	Election Day	Mail-In	Absentee	Provisional	Total	
Joseph R. Biden / Kamala D. Harris	DEM	564	511	0	10	1,085	
Donald J. Trump / Michael R. Pence	REP	6,031	679	0	114	6,824	
Jo Jorgensen / Jeremy Spike Cohen	LIB	46	21	0	1	68	
Total Votes		6,648	1,216	0	126	7,990	
		Election Day	Mail-In	Absentee	Provisional	Total	
Howie Hawkins	WRITE-IN	2	0	0	1	3	
Kanye West	WRITE-IN	1	0	0	0	1	
Brian Carroll	WRITE-IN	1	0	0	0	1	
Colon Powell	WRITE-IN	1	0	0	0	1	
Betagug	WRITE-IN	1	0	0	0	1	
Willie Nelson	WRITE-IN	1	0	0	0	1	
Michael R Pence	WRITE-IN	0	3	0	0	3	
Bernie Sanders	WRITE-IN	0	2	0	0	2	
Unresolved Write-In		0	0	0	0	0	

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Attorney General (Vote for 1)

Precincts Reported: 13 of 13 (100.00%)

		Election Day	Mail-In	Absentee	Provisional	Total	
Times Cast		6,681	1,226	0	127	8,034 / 9,829	81.74%
Candidate	Party	Election Day	Mail-In	Absentee	Provisional	Total	
Josh Shapiro	DEM	596	494	0	16	1,106	
Heather Heidelbaugh	REP	5,782	667	0	108	6,557	
Daniel Wassmer	LIB	88	25	0	1	114	
Richard L. Weiss	GRN	28	8	0	1	37	
Total Votes		6,495	1,194	0	126	7,815	
		Election Day	Mail-In	Absentee	Provisional	Total	
Edna H Strait	WRITE-IN	0	0	0	0	0	
Sturgill Simpson	WRITE-IN	1	0	0	0	1	
Unresolved Write-In		1	0	0	0	1	

Auditor General (Vote for 1)

Precincts Reported: 13 of 13 (100.00%)

		Election Day	Mail-In	Absentee	Provisional	Total	
Times Cast		6,681	1,226	0	127	8,034 / 9,829	81.74%
Candidate	Party	Election Day	Mail-In	Absentee	Provisional	Total	
Nina Ahmad	DEM	479	446	0	12	937	
Timothy DeFoor	REP	5,796	693	0	107	6,596	
Jennifer Moore	LIB	140	33	0	6	179	
Olivia Faison	GRN	35	14	0	0	49	
Total Votes		6,453	1,186	0	125	7,764	
		Election Day	Mail-In	Absentee	Provisional	Total	
Edna H Strait	WRITE-IN	1	0	0	0	1	
Angie Zinobile	WRITE-IN	1	0	0	0	1	
Billy Strings	WRITE-IN	1	0	0	0	1	
Unresolved Write-In		0	0	0	0	0	

State Treasurer (Vote for 1)

Precincts Reported: 13 of 13 (100.00%)

		Election Day	Mail-In	Absentee	Provisional	Total	
Times Cast		6,681	1,226	0	127	8,034 / 9,829	81.74%
Candidate	Party	Election Day	Mail-In	Absentee	Provisional	Total	
Joe Torsella	DEM	555	472	0	13	1,040	
Stacy L. Garrity	REP	5,768	680	0	109	6,557	
Joe Soloski	LIB	95	25	0	2	122	
Timothy Runkle	GRN	31	10	0	0	41	
Total Votes		6,450	1,187	0	124	7,761	
		Election Day	Mail-In	Absentee	Provisional	Total	
Chris Stapleton	WRITE-IN	1	0	0	0	1	
Unresolved Write-In		0	0	0	0	0	

Fulton County Pennsylvania Election Assessment



Representative in Congress 13th Congressional District (Vote for 1)

Precincts Reported: 13 of 13 (100.00%)

		Election Day	Mail-In	Absentee	Provisional	Total	
Times Cast		6,681	1,226	0	127	8,034 / 9,829 81.74%	
Candidate	Party	Election Day	Mail-In	Absentee	Provisional	Total	
Todd Rowley	DEM	574	463	0	18	1,055	
John Joyce	REP	5,935	739	0	109	6,783	
Total Votes		6,512	1,202	0	127	7,841	
		Election Day	Mail-In	Absentee	Provisional	Total	
John R. Graham III	WRITE-IN	1	0	0	0	1	
James Gunnell	WRITE-IN	1	0	0	0	1	
Cody Richards	WRITE-IN	1	0	0	0	1	
Unresolved Write-In		0	0	0	0	0	

Representative in the General Assembly 78th Legislative District (Vote for 1)

Precincts Reported: 13 of 13 (100.00%)

		Election Day	Mail-In	Absentee	Provisional	Total	
Times Cast		6,681	1,226	0	127	8,034 / 9,829 81.74%	
Candidate	Party	Election Day	Mail-In	Absentee	Provisional	Total	
Jesse Topper	REP	6,216	932	0	113	7,261	
Total Votes		6,244	966	0	114	7,324	
		Election Day	Mail-In	Absentee	Provisional	Total	
Judy Ward	WRITE-IN	1	0	0	0	1	
Jack Hendricks	WRITE-IN	1	0	0	0	1	
Gary L Shives	WRITE-IN	1	0	0	0	1	
Gerald R Strait	WRITE-IN	2	0	0	0	2	
John Duffey	WRITE-IN	2	0	0	0	2	
Cherina Cutshall	WRITE-IN	1	0	0	0	1	
Charles Glenn	WRITE-IN	1	0	0	0	1	
Debra Bowgubum	WRITE-IN	1	0	0	0	1	
Tom Kirkman	WRITE-IN	1	0	0	0	1	
Chelsea Downy	WRITE-IN	1	0	0	0	1	
Lindsay Gombas	WRITE-IN	1	0	0	0	1	
Dick Newman	WRITE-IN	1	0	0	0	1	
Chanin Mountz	WRITE-IN	1	0	0	0	1	
Irvin Dasher	WRITE-IN	1	0	0	0	1	
Emily Best	WRITE-IN	1	1	0	0	2	
Robert Swadley	WRITE-IN	1	0	0	0	1	
Anthony Strait	WRITE-IN	1	0	0	0	1	
John L Rinker	WRITE-IN	1	0	0	0	1	
Charles Myers III	WRITE-IN	1	0	0	0	1	
Mike Tyson	WRITE-IN	1	0	0	0	1	
Hillary Clinton	WRITE-IN	1	0	0	0	1	
Christine F Shelley	WRITE-IN	1	0	0	0	1	
Ralph Doyle	WRITE-IN	1	0	0	0	1	
Dawn Birgensmith	WRITE-IN	1	0	0	0	1	

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		Election Day	Mail-in	Absentee	Provisional	Total
James R Harvey	WRITE-IN	1	0	0	0	1
Scott Risbon	WRITE-IN	1	0	0	0	1
Darlene Joy Dasher	WRITE-IN	0	2	0	0	2
Joseph R Biden	WRITE-IN	0	1	0	0	1
John Wayne	WRITE-IN	0	1	0	0	1
Logan Dean	WRITE-IN	0	1	0	0	1
Anthony Fauci	WRITE-IN	0	1	0	0	1
Deb Baughman	WRITE-IN	0	1	0	0	1
Gary Decker	WRITE-IN	0	1	0	0	1
Paula Shives	WRITE-IN	0	1	0	0	1
Ben Ray	WRITE-IN	0	1	0	0	1
Jo Jorgensen	WRITE-IN	0	1	0	0	1
Sam Doctor	WRITE-IN	0	1	0	0	1
Karen L Emmons	WRITE-IN	0	1	0	0	1
Armando Menjnar	WRITE-IN	0	1	0	0	1
Stephanie Swiger	WRITE-IN	0	1	0	0	1
Deborah Baughman	WRITE-IN	0	5	0	0	5
Greg Peck	WRITE-IN	0	1	0	0	1
Amy Conner	WRITE-IN	0	1	0	0	1
Kanya West	WRITE-IN	0	1	0	0	1
Joe Erwin	WRITE-IN	0	2	0	0	2
Bruce True	WRITE-IN	0	2	0	0	2
Todd Hoffner	WRITE-IN	0	1	0	0	1
Mark Politis	WRITE-IN	0	1	0	0	1
Ronald L Davis	WRITE-IN	0	1	0	0	1
Judy Davis	WRITE-IN	0	1	0	0	1
Janet Diaz	WRITE-IN	0	1	0	0	1
Nadine Fox	WRITE-IN	0	1	0	0	1
Sanders	WRITE-IN	0	0	0	1	1
Unresolved Write-In		0	0	0	0	0

Fulton County Pennsylvania Election Assessment



CERTIFICATION OF COMPUTATION OF ELECTION RESULTS

Computation 2 Cover Sheet

The following is the computation of ballots received by mail between November 4, 2020 and November 6, 2020 that were postmarked on or before November 3, 2020.

Fulton County Pennsylvania Election Assessment



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Election Summary Report

General Election

Fulton County

November 03, 2020

Summary for: All Contests, All Districts, post-election-day mail-in, post-election-day absentee, All Counting Groups

Precincts Reported: 0 of 13 (0.00%)
Registered Voters: 11 of 9,829 (0.11%)
Ballots Cast: 11

Presidential Electors (Vote for 1)

Precincts Reported: 0 of 13 (0.00%)

		Total	
Times Cast		11 / 9,829	0.11%
Candidate	Party	Total	
Joseph R. Biden / Kamala D. Harris	DEM	1	
Donald J. Trump / Michael R. Pence	REP	9	
Jo Jorgensen / Jeremy Spike Cohen	LIB	1	
Total Votes		11	
		Total	
Howie Hawkins	WRITE-IN	0	
Kanye West	WRITE-IN	0	
Colon Powell	WRITE-IN	0	
Betagug	WRITE-IN	0	
Willie Nelson	WRITE-IN	0	
Michael R Pence	WRITE-IN	0	
Bernie Sanders	WRITE-IN	0	
Brian Carroll	WRITE-IN	0	
Unresolved Write-In		0	

Fulton County Pennsylvania Election Assessment



Attorney General (Vote for 1)

Precincts Reported: 0 of 13 (0.00%)

		Total	
Times Cast		11 / 9,829	0.11%
Candidate	Party	Total	
Josh Shapiro	DEM	3	
Heather Heidelbaugh	REP	6	
Daniel Wassmer	LIB	1	
Richard L. Weiss	GRN	0	
Total Votes		10	
		Total	
Sturgill Simpson	WRITE-IN	0	
Edna H Strait	WRITE-IN	0	
Unresolved Write-in		0	

Auditor General (Vote for 1)

Precincts Reported: 0 of 13 (0.00%)

		Total	
Times Cast		11 / 9,829	0.11%
Candidate	Party	Total	
Nina Ahmad	DEM	1	
Timothy DeFoor	REP	9	
Jennifer Moore	LIB	0	
Olivia Faison	GRN	0	
Total Votes		10	
		Total	
Angie Zinobile	WRITE-IN	0	
Billy Strings	WRITE-IN	0	
Edna H Strait	WRITE-IN	0	
Unresolved Write-in		0	

State Treasurer (Vote for 1)

Precincts Reported: 0 of 13 (0.00%)

		Total	
Times Cast		11 / 9,829	0.11%
Candidate	Party	Total	
Joe Torsella	DEM	4	
Stacy L. Garrity	REP	6	
Joe Soloski	LIB	1	
Timothy Runkle	GRN	0	
Total Votes		11	
		Total	
Chris Stapleton	WRITE-IN	0	
Unresolved Write-in		0	

Fulton County Pennsylvania Election Assessment



Representative in Congress 13th Congressional District (Vote for 1)

Precincts Reported: 0 of 13 (0.00%)

		Total	
Times Cast		11 / 9,829	0.11%
Candidate	Party	Total	
Todd Rowley	DEM	2	
John Joyce	REP	8	
Total Votes		10	
		Total	
John R Graham III	WRITE-IN	0	
James Gunnell	WRITE-IN	0	
Cody Richards	WRITE-IN	0	
	WRITE-IN	0	
Unresolved Write-In		0	

Representative in the General Assembly 78th Legislative District (Vote for 1)

Precincts Reported: 0 of 13 (0.00%)

		Total	
Times Cast		11 / 9,829	0.11%
Candidate	Party	Total	
Jesse Topper	REP	10	
Total Votes		10	
		Total	
Judy Ward	WRITE-IN	0	
Judy Davis	WRITE-IN	0	
Sanders	WRITE-IN	0	
Janet Diaz	WRITE-IN	0	
Armando Menjnar	WRITE-IN	0	
Jack Hendricks	WRITE-IN	0	
Dick Newman	WRITE-IN	0	
Robert Swadley	WRITE-IN	0	
Christine F Shelley	WRITE-IN	0	
Joseph R Biden	WRITE-IN	0	
John Wayne	WRITE-IN	0	
Ralph Doyle	WRITE-IN	0	
Anthony Strait	WRITE-IN	0	
Chanin Mountz	WRITE-IN	0	
Gary L Shives	WRITE-IN	0	
Stephanie Swiger	WRITE-IN	0	
Nadine Fox	WRITE-IN	0	
Deborah Baughman	WRITE-IN	0	
	WRITE-IN	0	
Cherina Cutshall	WRITE-IN	0	
Invin Dasher	WRITE-IN	0	
John L Rinker	WRITE-IN	0	
Dawn Birgensmith	WRITE-IN	0	

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		Total
Logan Dean	WRITE-IN	0
Anthony Fauci	WRITE-IN	0
Emily Best	WRITE-IN	0
Charles Myers III	WRITE-IN	0
Charles Glenn	WRITE-IN	0
John Duffey	WRITE-IN	0
Greg Peck	WRITE-IN	0
Amy Conner	WRITE-IN	0
Deb Baughman	WRITE-IN	0
Debra Bowgubum	WRITE-IN	0
Mike Tyson	WRITE-IN	0
Tom Kirkman	WRITE-IN	0
Gary Decker	WRITE-IN	0
Kanya West	WRITE-IN	0
Joe Erwin	WRITE-IN	0
Paula Shives	WRITE-IN	0
Chelsea Downy	WRITE-IN	0
Hillary Clinton	WRITE-IN	0
James R Harvey	WRITE-IN	0
Scott Risbon	WRITE-IN	0
Lindsay Gombas	WRITE-IN	0
Ben Ray	WRITE-IN	0
Bruce True	WRITE-IN	0
Todd Hoffner	WRITE-IN	0
Jo Jorgensen	WRITE-IN	0
Sam Doctor	WRITE-IN	0
Mark Politis	WRITE-IN	0
Karen L Emmons	WRITE-IN	0
Unresolved Write-in		0

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CERTIFICATION OF COMPUTATION OF ELECTION RESULTS

Computation 3

The following is the computation of ballots received by mail between November 4, 2020 and November 6, 2020 that did not bear a postmark.

N/A

Fulton County Pennsylvania Election Assessment



CERTIFICATION OF COMPUTATION OF ELECTION RESULTS

Computation 4

The following is the computation of ballots received by mail between November 4, 2020 and November 6, 2020 where the postmark was illegible.

N/A

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2020 General Election
November 3, 2020

Fulton County, Pennsylvania

CERTIFICATION OF COMPUTATION OF ELECTION RESULTS

We the undersigned, Clerks appointed to compute the votes cast at the General Election aforesaid, do hereby certify that the within statement is a correct computation of the votes returned as cast for federal and state offices in the several Election Districts of the County at the General Election held on the 3rd day of November 2020.

ATTESTED: (to be signed by all the Clerks)

Lisa Mellon McCondy
Patricia K. Hess
Director of Elections

SIGNED this 16th day of November, 2020

Stuart Miller
Paula J. Shivers

County Board of Elections of
[County] County, Pennsylvania

FINAL CERTIFICATION

And now, five days after the completion of the within computation of votes, no petition for a recount or canvass having been filed in accordance with the provisions of the Elections code, or in case of petition, the revision directed by the Court of Common Pleas having been made, we certify the within return of votes cast as being true and correct.

SIGNED this 23rd day of November, 2020

Stuart Miller
Randy H. Wood
Wanda J. Shivers

County Board of Elections of
[County] County, Pennsylvania

Fulton County Pennsylvania Election Assessment

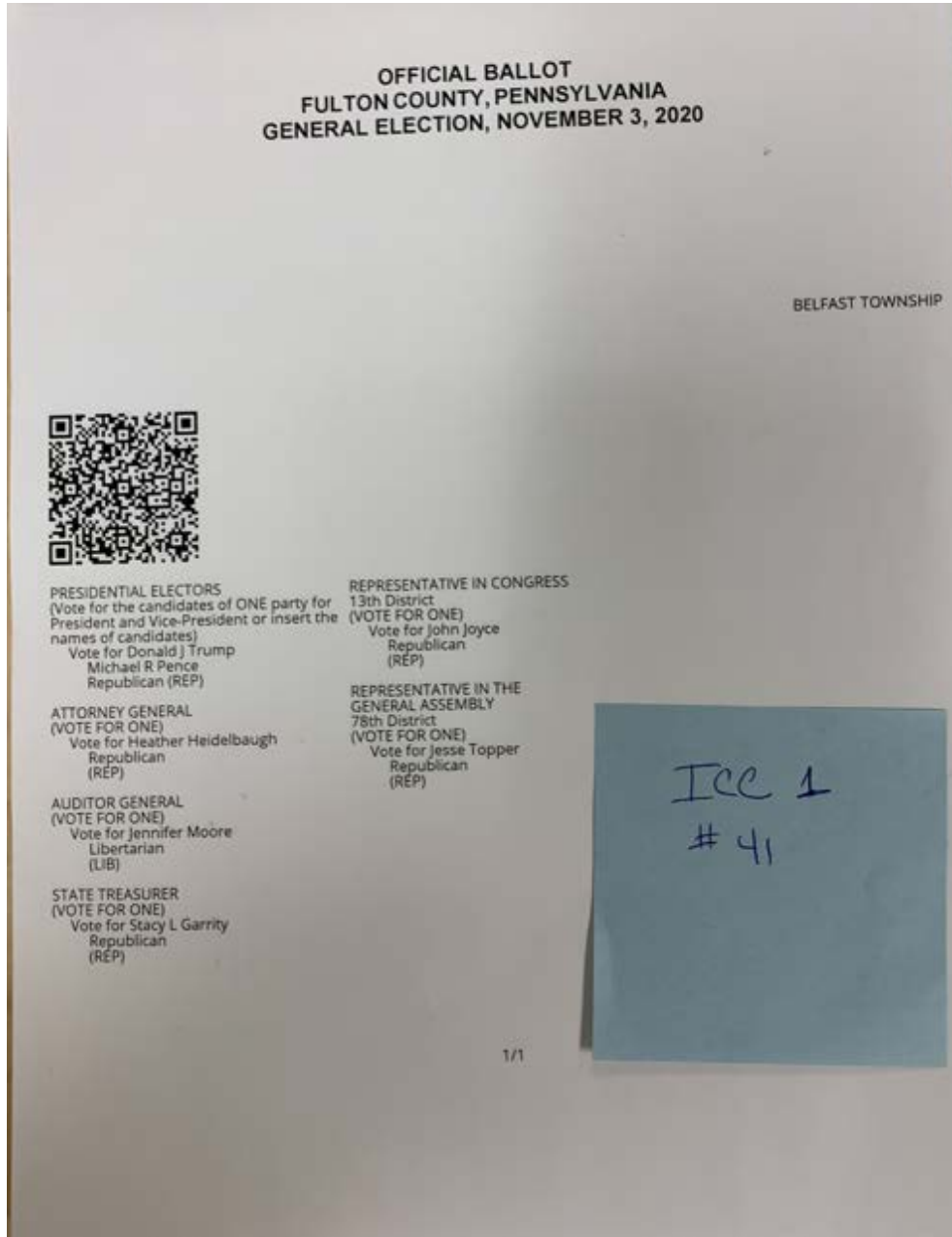


17 Appendix F - BMD Ballot Printout

The picture below is of a ballot printed from one of Belfast Township Precinct BMD devices. The printed ballot meets all requirements of both the HAVA and Commonwealth statutes.

The only possible concern is that the scanner / tabulator reads the machine readable QR code not the human readable printing.

As long as the BMD is programmed correctly this should not be of concern.



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18 Appendix G – County Implementation Attestation Form

This is the form which signifies that the County received all components of the Election Management System from the vendor Dominion when the EMS was installed.

The first three pages are the State’s form which was not used and the following sixteen pages are the form that Dominion utilized.

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Voting System Implementation Attestation

System Name: _____

County: _____

Date Installed/Upgraded: _____

The below hardware/software was installed and verified on the system implemented:

System Component	Software or Firmware Version	Hardware Version	Model	Comments <small>(Please specify the implementation details, single device / (desktop/laptop), Client/server/ as applicable)</small>
EMS Election Event Designer (EED)	5.5.12.1			
EMS Results Tally and Reporting (RTR)	5.5.12.1			
EMS Application Server	5.5.12.1			
EMS File System Service (FSS)	5.5.12.1			
EMS Audio Studio (AS)	5.5.12.1			
EMS Data Center Manager (DCM)	5.5.12.1			
EMS Election Data Translator (EDT)	5.5.12.1			
ImageCast Voter Activation (ICVA)	5.5.12.1			
EMS Adjudication	5.5.8.1			

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EMS Adjudication Service	5.5.8.1			
Smart Card Helper Service	5.5.12.1			
ImageCast Precinct	5.5.3-0002			
ImageCast Central	5.5.3.0002			
ImageCast X	5.5.30			

Further to the key hardware/software components listed above, any of the COTS software and

Fulton County Pennsylvania Election Assessment



ancillary components like switches, ballot boxes, charging carts sold on this contract are EAC certified components of the Dominion Democracy Suite 5.5A electronic voting system. (Attach a list of items sold on this contract.)

Dominion has validated that the systems have been installed and hardened following the EAC certified system hardening instructions and no software other than the voting system software has been installed on any of the components.

Vendor Representative Signature: _____

Vendor Representative Name: _____ **Title:** _____

Telephone: _____ **Email:** _____

County Representative Signature: _____

County Representative Name: _____ **Title:** _____

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Step	Stage	Details	Pass	Fail	Comments / Issues	
ImageCast® X Classic Series Acceptance Test Checklist - Receiving						
		<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p style="font-size: 1.2em; margin: 0;">PH85F55877</p> <p style="font-size: 1.2em; margin: 0;">1906170338</p> </div>	IFWI Version (BIOS): BCX18 BIOS V201			
ImageCast Serial Number:			Firmware Version (Build Number): BCX18 V0.0.98			
Inspection Stage						
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓			
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓			
Power Up and System Status Verification (with Test Election USB Sticks)						
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓			
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓			
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1 Apr 6</u>	✓			
		Write & confirm the Build Number (Firmware) here: <u>S.S. 10.30</u>	✓			
6		Date and Time	Press on "Settings -> " Date & Time" and verify correct local date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓			
Functional Testing						
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓			
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓			
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓			
11		Ensure the "Public Counter" is zero.	✓			
12		Open the Poll	✓			
13		User should be transferred to Login Voter Screen	✓			
14		Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓			
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓			
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓			
18		Inspect the printed ballot and compare with desired votes	✓			
19		Insert a Poll Worker Card	✓			
20	Re-Zero Results	Enable AVS Controller and then remove the Poll Worker Card	✓			
		Insert a Voter Card and begin the AVS voting session	✓			
		Inspect the printed ballot and compare with desired votes	✓			
		Insert a Poll Worker Card and Close the Polls	✓			
20		From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓			
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓			
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓			
23		Sign and date this completed checklist.	✓			
Dominion Voting Systems Rep Name and Initials: <u>Jac [Signature]</u>					Date: <u>8/28/19</u>	

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OFFICIAL BALLOT
General Election
Tuesday, November 3, 2020
Anywhere County

Precinct 1



FAVORITE PAST PRESIDENT
Vote for George Washington/John
Adams (Fed)

FAVORITE SPORTS TEAM
UNDER_VOTE_BY 2
Vote for Philadelphia Eagles

ALL-TIME FAVORITE TALK SHOW
Vote for Johnny Carson

FAVORITE AUTHOR
Vote for Carl Sanburg

FAVORITE MUSICIAN
Vote for Kid Rock

FAVORITE ARTIST
Vote for Leonardo da Vinci

FAVORITE COLLEGE OR UNIVERSITY
Vote for Michigan State

STATE GASOLINE TAX
Vote for Yes

COUNTY PARK COMMISSION PROPOSAL
Vote for Yes

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Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
		PHR5F55863	IFWI Version (BIOS): BCX18 BIOS V201		
ImageCast Serial Number:		1906170510	Firmware Version (Build Number): BCX18 V0.0.98		
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1, App 6,</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct local date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓		
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		
Dominion Voting Systems Rep Name and Initials:		<u>Jac [Signature]</u>	Date: <u>08/28/19</u>		

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
		PHB5F55857	IFWI Version (BIOS): BCX18 BIOS V201		
ImageCast Serial Number:		1906170339	Firmware Version (Build Number): BCX18 V0.0.98		
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1 Apr6</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot Inspect the printed ballot and compare with desired votes	✓		
18		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card and Close the Polls	✓		
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		
Dominion Voting Systems Rep Name and Initials: <u>Joc Lam</u>					Date: <u>8/28/19</u>

Fulton County Pennsylvania Election Assessment



DOMINION VOTING <small>Our customers come first.</small>		ImageCast® X Classic Series Acceptance Test Checklist - Receiving			
ImageCast Serial Number: <u>PHB5F55873</u> <u>1906170875</u>		IFWI Version (BIOS): BCX18 BIOS V201 Firmware Version (Build Number): BCX18 V0.0.98			
Step	Stage	Details	Pass	Fail	Comments / Issues
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1 Apr 6</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card	✓		
19	Enable AVS Controller and then remove the Poll Worker Card	✓			
	Insert a Voter Card and begin the AVS voting session	✓			
20	Re-Zero Results	Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card and Close the Polls	✓		
21	Power Down & Signatures	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
22		Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
23		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
Sign and date this completed checklist.			✓		
Dominion Voting Systems Rep Name and Initials: <u>Jac [Signature]</u>			Date: <u>8/28/19</u>		

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues	
ImageCast® X Classic Series Acceptance Test Checklist - Receiving						
		<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p style="font-size: 1.2em; margin: 0;">PHB 5F55 854</p> <p style="font-size: 1.2em; margin: 0;">1906170778</p> </div>				IFWI Version (BIOS): BCX18 BIOS V201
		ImageCast Serial Number: <u>1906170778</u>				Firmware Version (Build Number): BCX18 V0.0.98
Inspection Stage						
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓			
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓			
Power Up and System Status Verification (with Test Election USB Sticks)						
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓			
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓			
5		Write & confirm the IFWI Version (BIOS) here: <u>S.L.I Apr 6</u>	✓			
		Write & confirm the Build Number (Firmware) here: <u>S.S. 10.30</u>	✓			
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct local date and time is displayed. Adjust if necessary.	✓			
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓			
Functional Testing						
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓			
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓			
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓			
11		Ensure the "Public Counter" is zero.	✓			
12		Open the Poll	✓			
13		User should be transferred to Login Voter Screen	✓			
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓			
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓			
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓			
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓			
18		Inspect the printed ballot and compare with desired votes	✓			
19		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓			
20	Re-Zero Results	Insert a Poll Worker Card and Close the Polls	✓			
21	Power Down & Signatures	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓			
22		Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓			
23		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓			
		Sign and date this completed checklist.	✓			
Dominion Voting Systems Rep Name and Initials: <u>Jac Jan</u>					Date: <u>8/28/19</u>	

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
PHB6755037		IFWI Version (BIOS): BCX18 BIOS V201			
ImageCast Serial Number: 1906170880		Firmware Version (Build Number): BCX18 V0.0.98			
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: FR APRIL 6, 2018	✓		
5		Write & confirm the Build Number (Firmware) here: 5.5.10.30	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	—		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
18		Insert a Poll Worker Card	✓		
19		Enable AVS Controller and then remove the Poll Worker Card	✓		
20		Insert a Voter Card and begin the AVS voting session	✓		
20		Inspect the printed ballot and compare with desired votes	✓		
20	Re-Zero Results	Insert a Poll Worker Card and Close the Polls	✓		
20		From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX.	✓		
23		Sign and date this completed checklist.	✓		
Dominion Voting Systems Rep Name and Initials: JUAN SERRATI					Date: 2/28/2019

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
ImageCast Serial Number: <u>PHB5F55860</u> <u>1A061T0879</u>		IFWI Version (BIOS): BCX18 BIOS V201 Firmware Version (Build Number): BCX18 V0.0.98			
Inspection Stage					
1		Ensure that there is no physical damage to the touch screen, and tablet	✓		
2	Inspection	Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1 AP1,61</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card	✓		
		Enable AVS Controller and then remove the Poll Worker Card	✓		
		Insert a Voter Card and begin the AVS voting session	✓		
		Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card and Close the Polls	✓		
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		

ominion Voting Systems Rep Name and Initials: Joc Lane Date: 8/28/19

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
		PHBSF5876	IFWI Version (BIOS): BCX18 BIOS V201		
		ImageCast Serial Number: <u>1906170876</u>	Firmware Version (Build Number): BCX18 V0.0.98		
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1 Apr 6,</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓		
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.			
		Dominion Voting Systems Rep Name and Initials: <u>Joe Law</u>	Date: <u>08/28/19</u>		

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues	
ImageCast® X Classic Series Acceptance Test Checklist - Receiving						
		<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p style="font-size: 1.2em; margin: 0;">PHBSFB5870</p> <p style="font-size: 1.2em; margin: 0;">1906170875</p> </div>				
			IFWI Version (BIOS): BCX18 BIOS V201			
			Firmware Version (Build Number): BCX18 V0.0.98			
Inspection Stage						
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓			
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓			
Power Up and System Status Verification (with Test Election USB Sticks)						
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓			
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓			
5		Write & confirm the IFWI Version (BIOS) here: <u>S.L.L Apr 6</u>	✓			
		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓			
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓			
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓			
Functional Testing						
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓			
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓			
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓			
11		Ensure the "Public Counter" is zero.	✓			
12		Open the Poll	✓			
13		User should be transferred to Login Voter Screen	✓			
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓			
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓			
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓			
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓			
18		Inspect the printed ballot and compare with desired votes	✓			
19		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes Insert a Poll Worker Card and Close the Polls	✓			
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓			
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓			
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓			
23		Sign and date this completed checklist.	✓			
Dominion Voting Systems Rep Name and Initials: <u>Jac Dam</u>					Date: <u>8/28/19</u>	

Fulton County Pennsylvania Election Assessment



 <small>Our customers come first</small>		ImageCast® X Classic Series Acceptance Test Checklist - Receiving			
ImageCast Serial Number: <u>PH85F55 871</u> <u>1906170716</u>		IFWI Version (BIOS): BCX18 BIOS V201 Firmware Version (Build Number): BCX18 V0.0.98			
Step	Stage	Details	Pass	Fail	Comments / Issues
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>S.S.1 APP 61</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>S.S.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct local date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card	✓		
19	Enable AVS Controller and then remove the Poll Worker Card	✓			
	Insert a Voter Card and begin the AVS voting session	✓			
20	Re-Zero Results	Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card and Close the Polls	✓		
21	Power Down & Signatures	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
22		Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
23		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
		Sign and date this completed checklist.	✓		
Dominion Voting Systems Rep Name and Initials: <u>JAC [Signature]</u>			Date: <u>08/28/19</u>		

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues	
ImageCast® X Classic Series Acceptance Test Checklist - Receiving						
		<div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <p style="font-size: 1.2em; margin: 0;">PHB5F5S862</p> <p style="font-size: 1.2em; margin: 0;">1906170874</p> </div>				
		ImageCast Serial Number: <u>1906170874</u>	IFWI Version (BIOS): BCX18 BIOS V201			
			Firmware Version (Build Number): BCX18 V0.0.98			
Inspection Stage						
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓			
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓			
Power Up and System Status Verification (with Test Election USB Sticks)						
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓			
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓			
5		Write & confirm the IFWI Version (BIOS) here: <u>S.L.I App 61</u>	✓			
5		Write & confirm the Build Number (Firmware) here: <u>S.S.10.30</u>	✓			
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓			
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓			
Functional Testing						
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓			
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓			
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓			
11		Ensure the "Public Counter" is zero.	✓			
12		Open the Poll	✓			
13		User should be transferred to Login Voter Screen	✓			
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓			
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓			
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓			
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓			
18		Inspect the printed ballot and compare with desired votes	✓			
18		Insert a Poll Worker Card	✓			
18		Enable AVS Controller and then remove the Poll Worker Card	✓			
19	Insert a Voter Card and begin the AVS voting session	✓				
19	Inspect the printed ballot and compare with desired votes	✓				
19	Insert a Poll Worker Card and Close the Polls	✓				
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓			
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓			
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓			
23		Sign and date this completed checklist.	✓			
		Dominion Voting Systems Rep Name and Initials: <u>Jac Jamm</u>	Date: <u>08/28/19</u>			

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
		 <small>Our customers come first.</small>	IFWI Version (BIOS): BCX18 BIOS V201		
ImageCast Serial Number: <u>PH85F55858</u> <u>1906170717</u>			Firmware Version (Build Number): BCX18 V0.0.98		
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>S.L.I. April 6</u>	✓		
5		Write & confirm the Build Number (Firmware) here: <u>S.S. 10.20</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot Inspect the printed ballot and compare with desired votes	✓		
18		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card and Close the Polls	✓		
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		
Dominion Voting Systems Rep Name and Initials: <u>Joc Don</u>		Date: <u>08/28/19</u>			

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 <small>Our customers come first</small>		ImageCast® X Classic Series Acceptance Test Checklist - Receiving			
ImageCast Serial Number: <u>PHB5F55856</u> <u>1906170877</u>		IFWI Version (BIOS): BCX18 BIOS V201 Firmware Version (Build Number): BCX18 V0.0.98			
Step	Stage	Details	Pass	Fail	Comments / Issues
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>S.L.1 APR,6</u>	✓		
		Write & confirm the Build Number (Firmware) here: <u>S.S.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card	✓		
19		Enable AVS Controller and then remove the Poll Worker Card	✓		
	Insert a Voter Card and begin the AVS voting session	✓			
20	Re-Zero Results	Inspect the printed ballot and compare with desired votes	✓		
		Insert a Poll Worker Card and Close the Polls	✓		
20	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓			
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		

Dominion Voting Systems Rep Name and Initials: Joe Carr
Date: 08/28/19

Fulton County Pennsylvania Election Assessment



DOMINION VOTING <small>© 2019 Dominion Voting Systems, Inc.</small>		ImageCast® X Classic Series Acceptance Test Checklist - Receiving			
ImageCast Serial Number: <u>PHBSF55861</u> <u>1906170878</u>		IFWI Version (BIOS): BCX18 BIOS V201 Firmware Version (Build Number): BCX18 V0.0.98			
Step	Stage	Details	Pass	Fail	Comments / Issues
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1 Apr 16,</u>	✓		
5		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct <u>local</u> date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot Inspect the printed ballot and compare with desired votes	✓		
18		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card and Close the Polls	✓		
20	Re-Zero Results	From Poll Worker Menu, select "Re-Zero". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the 'Power Down' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		

Dominion Voting Systems Rep Name and Initials: Jac Lam Date: 08/28/19

Fulton County Pennsylvania Election Assessment



Step	Stage	Details	Pass	Fail	Comments / Issues
ImageCast® X Classic Series Acceptance Test Checklist - Receiving					
		PHBSF55872	IFWI Version (BIOS): BCX18 BIOS V201		
		ImageCast Serial Number: <u>1906170509</u>	Firmware Version (Build Number): BCX18 V0.0.98		
Inspection Stage					
1	Inspection	Ensure that there is no physical damage to the touch screen, and tablet	✓		
2		Ensure the Smart Card reader is securely intact. Plug the BMD laser printer to the ICX unit. Plug in an ATI to the ICX unit.	✓		
Power Up and System Status Verification (with Test Election USB Sticks)					
3	System Power Up	Insert Test Election & ICX application copied on a USB Memory Stick into the top USB slot.	✓		
4		Connect the power cord to the tablet and turn on the unit. Press on "Settings" -> "About Tablet".	✓		
5		Write & confirm the IFWI Version (BIOS) here: <u>5.1.1, Apr. 6</u>	✓		
5		Write & confirm the Build Number (Firmware) here: <u>5.5.10.30</u>	✓		
6	Date and Time	Press on "Settings -> " Date & Time" and verify correct local date and time is displayed. Adjust if necessary.	✓		
7	Installation of Application	Press "OI File Manager" on the main screen and proceed to install the ICX application.	✓		
Functional Testing					
8	Test Election Application	Press "ImageCast X" and insert a Technician card into the Smart Card Reader	✓		
9		At the top click on "Load Settings". Select the election data and then click on "copy"	✓		
10		Insert a poll worker card and select the BMD tabulator under the "Select Tabulator" pull down menu	✓		
11		Ensure the "Public Counter" is zero.	✓		
12		Open the Poll	✓		
13		User should be transferred to Login Voter Screen	✓		
14	Battery Status Verification	Check the top right corner that there is a charging symbol for the power.	✓		
15		Unplug the power cord from the ICX. The ICX should stay on and the charging symbol should disappear.	✓		
16		Replug the power cord back into the ICX. The charging symbol should reappear	✓		
17	Test Election Results Verification	Insert a Voter Card and begin the standard voting session and complete the session by printing off the ballot	✓		
18		Inspect the printed ballot and compare with desired votes	✓		
18		Insert a Poll Worker Card Enable AVS Controller and then remove the Poll Worker Card Insert a Voter Card and begin the AVS voting session Inspect the printed ballot and compare with desired votes	✓		
19		Insert a Poll Worker Card and Close the Polls	✓		
20	Re-Zero Results	From Poll Worker Menu, select " Re-Zero ". To Re-Zero the results, enter the password provided.	✓		
21	Power Down & Signatures	Power down the ICX through the Poll Worker Menu using the ' Power Down ' button.	✓		
22		Once the ICX is completely powered down, remove the USB Memory Stick from the ICX	✓		
23		Sign and date this completed checklist.	✓		
		Dominion Voting Systems Rep Name and Initials: <u>Jac Sam</u>	Date: <u>08/28/19</u>		

Fulton County Pennsylvania Election Assessment



19 Appendix H - Pennsylvania Election Record Retention Rules

The following information is from the Pennsylvania "County Records Manual" which was issued for the County Records Committee by the Pennsylvania Historical and Museum Commission Bureau of the State Archives Harrisburg 2002 Edition. Updated as of March 2017.

ELECTION RECORDS

ADDITIONAL RETENTION REQUIREMENTS

Currently, Federal election records (including all records and papers pertaining to any application, registration or other act requisite to voting) must be retained 22 months from the date of any general, special, or primary election for federal office under the Civil Rights Act of 1960, codified at Title 42, U.S. Code, Sections 1974 through 1974e inclusive.

EL-1 Absentee Ballot Records

Includes absentee ballots and all related lists, applications, envelopes and files pertaining thereto. Application usually shows personal identification information, reason for request, and elector's signature.

Retain 2 years. (25 P.S. § 3146.9)

EL-2 Ballot Box Documents - Miscellaneous

Consists of all official ballots, the contents of ballot boxes, tally papers, numbered list of voters and election officers' oaths placed in ballot box at polling place. (See also EL-24.)

Retain 4 months, unless notified of extension of retention by the county's District Attorney or a judge of a court of record, due to pending prosecution or litigation. (25 P.S. §§ 2649 and 3065(a)). For one year, the minority inspector is required to retain one set of tally papers, one voter list, and one set of election-officer-oaths. (25 P.S. § 3065(b)).

EL-3 Ballot Preparation Workpapers And Candidate Lists

Includes papers and lists of local candidates' names used to design ballot layout at the county level, based upon ballot position lottery for the primary election, and the primary election results and substitute nominations for the November election.

Retain 11 months. (25 P.S. § 2649).

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EL-4 Campaign Expense Reports And Statements Filed By Candidates And Political Committees

Expense report shows name and address of candidate, committee, individual or lobbyist; office sought; summary of receipts and expenditures; signature of person swearing to accuracy of report; summary of contributions and receipts; itemized lists of contributions, receipts and expenditures; unpaid debts and obligations; and in-kind contributions. Statement includes name and address of candidate, committee or lobbyist; office sought; and certification of compliance with the Election Code.

Retain 5 years from date of filing. (25 P.S. § 3259(4)).

EL-5 Candidate Withdrawal Notices

Notification from candidates of their desire to withdraw from an election. Includes date, office, party, election date and candidate's signature.

Retain 11 months (Counties). (25 P.S. §§ 2649 and 2938).

EL-6 Candidates' Affidavits

Includes candidate's name and address, office sought, affidavit of eligibility, loyalty oath and ethics affidavit. May be part of nomination petition or separate form filed with petition.

Retain 11 months (Counties). (25 P.S. §§ 2649 and 2870).

EL-7 Challenge Affidavits

Consists of challenge affidavit of elector declaring eligibility to vote and supporting affidavit by another qualified elector of the district. Contains names, addresses, date and signatures of elector and supporting elector. Also signed by judge of elections.

Retain 11 months. (25 P.S. §§ 2649 and 3050(d)).

EL-8 County Board Canvass Workpapers

Preliminary tally compiled by the county board of elections showing candidates' names and vote totals.

Retain 11 months. (25 P.S. §§ 2649 and 3068).

EL-9 Election Certification Affidavits

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Sent after the certification of the returns of any primary or election to the Department of State, Bureau of Elections. The form includes name of county, date, certification of official returns, signatures of county board and clerk of elections, and vote totals for each candidate.

Retain 11 months. (Counties). (25 P.S. §§ 2649 and 3158).

EL-10 Election Documents - Miscellaneous

Contains records pertaining to each election such as proof of publication forms and acceptance statements.

Retain 11 months. (Counties). (25 P.S. § 2649).

EL-11 Election Officers' Oaths

Consists of sworn statements signed by election officers including judges, inspectors, clerks, machine inspectors and overseers. Excludes oaths contained in ballot box.

Retain 11 months. (25 P.S. §§ 2649 and 2676 - 2680).

EL-12 Election Officials Index

Listing of district election board members showing names and terms of office.

Retain 11 months. (25 P.S. § 2649).

EL-13 Election Returns

Compiled by county board for general, municipal and primary elections. Returns generally indicate district number, office, candidates' names and party affiliations, votes received, certification of computation attesting to authenticity of vote, signatures of election officials and date. Also may contain results relating to special referendums and questions.

Retain permanently for administrative and historical purposes. (25 P.S. § 3158).

EL-14 Fiscal Records

Includes standard accounting and financial records relating to the funds of the Elections Office.

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See Financial Records, Payroll Records, and Purchasing Records found in Section 2 for retention guidance.

EL-15 General Return Sheets

Prepared by district board, return shows number of votes cast for each candidate; total number of ballots received and cast, declared void, spoiled, cancelled and blank; signatures of election officers and clerks; and certification by overseers if applicable.

Retain 11 months. (25 P.S. §§ 2649 and 3154).

EL-16 Legal Memoranda

Includes legal memoranda respecting a variety of legal issues and matters relating to county elections.

Retain 11 months. (25 P.S. § 2649).

EL-17 Minutes Of The Board Of Elections

Record of the Board of Elections meeting including date, names of members present and absent, issues discussed, motions, reports and actions taken.

Retain permanently for administrative, legal and historical purposes.

EL-18 Local Option Petitions

Petition regarding local option question to be placed on the ballot. Shows issue or question and electors' signatures and addresses.

Retain 2 years. (25 P.S. § 2943).

EL-19 Nomination Certificates

Used to fill vacancies caused by death or withdrawal of candidate, certificate shows office and district, cause of vacancy, applicable rule, names of committee or caucus members as well as new candidate's name, residence and occupation. Signed by presiding officer and secretary of party committee or members of political body's committee.

Retain 2 years. (25 P.S. §§ 2943 and 2939(a)).

EL-20 Nomination Papers

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Relating to nomination of independent candidates, paper usually indicates name of political body; county and electoral district; candidate's name, occupation, residence as well as office and district for which nominated; names of committee members authorized to fill vacancies; electors' signatures, addresses, occupations and date of signing; circulator's affidavit; and candidate's affidavit, loyalty oath and ethics affidavit.

Retain 2 years. (25 P.S. §§ 2943 and 2911(a)).

EL-21 Nomination Petitions

Usually shows electoral district and political party; candidate's name, address, and profession; election date and office sought; signatures, addresses and occupations of qualified electors and date of signing; circulator's affidavit; and sometimes candidate's affidavit, loyalty oath and ethics affidavit.

Retain 2 years. (25 P.S. §§ 2943 and 2867).

EL-22 Notices Of Nominations To Be Made

Used to assist county board in ascertaining offices to be filled, notices from municipalities and the Secretary of the Commonwealth; usually indicate name of office, number of candidates to be elected and number of years the officer shall serve.

Retain 11 months. (25 P.S. §§ 2649, 2864 and 2865).

EL-23 Numbered Lists Of Voters

Numerical list of voters used to determine the number who cast ballots in election. Excludes lists contained in ballot box.

Retain 11 months. (25 P.S. §§ 2649 and 3050(a.3)).

EL-24 Official Ballots

Consists of paper ballots and ballot labels used with voting machines and electronic voting equipment. Includes the following types of ballots:

- (1) Electronic and punch card write-in ballots.
- (2) Official ballot cards-punch card system.
- (3) Mechanical voting machine write-in paper rolls.
- (4) Spoiled and unused ballot cards-punch card system.
- (5) Spoiled and unused paper ballots.

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Retain 4 months for all official ballots and the contents of ballot boxes, unless notified by the county's district attorney or a judge of a court of record that an extension of retention is required due to pending prosecution or litigation. (25 P.S. §§ 2649, 3031.13(a), 3031.16(a), 3063(a) and 3065(a)).

EL-25 Primary Ballot Position Lottery Workpapers

Used to draw lots for ballot position for primary elections. Papers relate to local candidates and usually include name, party and office sought.

Retain 11 months. (25 P.S. §§ 2649 and 2875).

EL-26 Proclamations Of Elections

Issued by county board. Usually lists date of election, offices and candidates, special referendums or questions, and locations of polling places.

Retain 11 months. (25 P.S. §§ 2649 and 3041).

EL-27 Records Of Assisted Voters

Compiled at polling place. Record indicates municipality, ward and district; date of election; name of voter and reason for assistance; name of person furnishing assistance; and signature of judge of election.

Retain 11 months. (25 P.S. §§ 2649 and 3058).

EL-28 Secretary Of The Commonwealth Ballot Certifications

Includes certifications of Statewide candidates' names to be printed on ballots for the primary and general elections. Sent to county boards by the Secretary and based upon a lottery conducted in Harrisburg.

Retain 11 months for counties. (25 P.S. §§ 2649 and 2876).

EL-29 Specimen Ballots, Specimen Ballot Labels And/Or Voting Machine Diagrams

Contains sample ballots and voting machine diagrams made available to candidates for campaigning purposes and to electors at polling places.

Retain 11 months. (25 P.S. §§ 2649 and 2968).

EL-30 Statements Of Financial Interests

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Required by the State Ethics Commission. Shows name and address, office sought, occupation, names and occupations of spouse and minor dependent children, financial disclosure information and signature.

Retain 5 years. (65 Pa.C.S.A. § 1107(9)).

EL-31 Tally Papers

Prepared by district board, consists of tally of votes cast for each candidate. Excludes papers contained in ballot box.

Retain 11 months. (25 P.S. §§ 2649 and 3062).

EL-32 Voters' Certificates/Voting Check Lists

A few counties continue to use a separate Voter's Certificate, which is completed by a voter at the polling place. (However, most county boards of elections have incorporated the Voter's Certificate into the District Register (Poll Book), which must be kept for 5 years and is also addressed at Voter Registration Records entry # VR-8.) The Voters' Certificate, at 25 P.S. § 3043, is a form usually indicating at least the voter's name, address, signature and approval of an election officer. The Voters' Certificate is required by 25 P.S. § 3052 to be inserted into a binder known as the "Voting Check List," which shall constitute the official list of electors voting at each primary and election. 25 P.S. § 3050(a.3) requires the voter's signature on the Voter's Certificate to be compared with the voter's signature in the District Register to confirm eligibility to vote. With the passage of Act 3 of 2002, the District Register is required to be retained for 5 years at 25 Pa.C.S. § 1405(a). Because the Voter's Certificate is signed by the voter and is used in conjunction with the District Register, it should be retained for 5 years as well.

Retain 5 years. (25 P.S. §§ 3043, 3050(a) and (a.3), 3052 and 25 Pa.C.S. § 1405(a)).

EL-33 Voting Machine Lists And Certifications

Consists of inventory lists showing number of machines, storage locations and registration numbers. Certification form relates to preparation of machines for election and includes custodian's certification that counter is set at zero, that each protective counter has been recorded, and that each machine has been sealed and the seal number recorded. Also shows election, date, and signatures of custodian and deputies.

Retain 11 months. (25 P.S. §§ 2649 and 3011(d)).

EL-34 Voting Machine Proof Sheets

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Relates to voting machines equipped to print paper proof sheets. Printed by district board before and after election and used to check vote totals on each machine.

Retain 11 months. (25 P.S. §§ 2649 and 3067(a)).