

**Logic and Accuracy Test
Information Packet
2012 Primary Election**



**Boulder County Clerk & Recorder
Elections Division**



Boulder County Clerk & Recorder Elections Division

AGENDA LOGIC AND ACCURACY TEST (LAT) May 23rd, 2012

1. Welcome Message
 - Name tags and affiliations
 - Housekeeping
 - Review Observer Guidelines
 - Review LAT Procedures Summary and Highlights
2. Planned Schedule
 - Wednesday, May 23rd from 10 a.m. - 4:00 p.m.
 - Thursday, May 24th at 3:30 p.m.
3. Storage of personal items (east wing office area) and participant sign-in
4. Ballot packet
 - One (1) packet of 25 ballots of unique precincts per board member
5. Ballot processing
 - Voting of paper ballots (each participant)
 - Manual Verification Worksheet (MVW) (2 person process)
6. *Electronic (DRE) Test (2 person process)
 - Paper ballots are used as guide for voting electronically
 - Board member must vote two (2) ballots using audio equipment
 - All participants will verify the accuracy of the eSlate content & audio recording
7. *Scan (Mail-in) Test
 - Review of ballots prior to scanning process
 - Any damaged or improperly marked ballots may be rejected prior to scanning and voter may obtain a replacement ballot or adjust MVW
 - Resolution in Ballot Now
 - Write Cast Vote Records (CVRs)
8. Tabulation of votes
 - Team MBB results report created
9. Results audit and resolution
 - Paper ballots
 - Electronic ballots
10. Resetting and resealing of election equipment
11. Closing of LAT process (optional attendance)
 - Cumulative results of LAT
 - Cumulative result comparison
 - Testing documented and summarized
12. Certification of LAT
 - Review testing and complete signed Statement of Qualification
13. Secure storage of all LAT material and ballots



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Logic and Accuracy Test (LAT) Summary of Procedures

1. Before entering testing area:
 - Store all personal belongings:
The following items are prohibited in the testing area:
Person belongings, cell phones, cameras, recording devices, memory devices, laptops, PDAs, food or beverages are prohibited in testing area
 - Sign in and obtain a name tag (provide affiliation)
2. Information packet:
 - Agenda
 - LAT Summary of Procedures (this document)
 - Guidelines for Observers of the LAT
 - Voter instruction sheet
 - LAT Rule and Law
3. Common acronyms:
 - **DRE:** Direct Record Electronic
 - **eSlate:** Hart InterCivic product name for the DRE
 - **DAU:** Disabled Access Unit (interchanged with DRE and eSlate)
 - **JBC:** Judges Booth Controller
 - **MBB:** Mobile Ballot Box
 - **CVR:** Cast Vote Record
 - **MVW:** Manual Verification Worksheet (for hand tally)
 - **V-VPAT:** Voter-Verifiable Paper Audit Trail
4. Purpose of LAT ([CRS 1-7-509 and Rule 11](#))
 - The Logic and Accuracy Test (LAT) is the second of three tests that are required during an election. The first is the Hardware Diagnostic Test, which verifies that all of the voting system's input, output and communication devices contain the proper firmware/ software releases and are in working order. The LAT follows hardware verification and ensures that the equipment will correctly count and tabulate votes. After the election, a post-election audit will compare a manual tally of select ballots against election results in order to provide a statistical assessment that the election results are correct.
 - The purpose of the LAT is to test the compatibility of the election ballots through the scanning and tabulation equipment to confirm that every voting position on the ballot is accurately counted where a properly marked selection is made. It also includes testing the electronic voting machines (DRE/DAU/eSlate) and the voter-verifiable paper audit trail (V-VPAT) for accuracy.
5. Board representative responsibilities:
 - As representative of the Test Board you will be participating and/or witnessing the LAT from beginning to end ensuring key requirements are met
 - Review LAT requirements checklist
 - Schedule requirement:
 - Wednesday, May 23rd from 10 a.m. - 4:00 p.m.
 - Thursday, May 24th at 3:30 p.m.
 - No process shall be delayed due to the absence of a participant



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6. Voting and Individual Tally explanation
 - Voting - mark ballots per voter instructions (fill in box completely; no X or V)
 - Follow voter instructions for correcting a choice when there is intent to vote an option
 - If a mistake (wrong choice, stray mark, hesitant mark) is made in a contest that you did not intend to vote or you are unable to correct your voting choice, make a written note in the contest area confirming mistake and/or request a replacement ballot from staff
 - Ballots that are damaged or improperly marked are reviewed and/or rejected in the scanning portion of testing. Catching and correcting a mistake immediately prevents delays in testing later
 - The manual verification worksheet (MVW) is used to record member ballot tallies, provides the ability to record a summary of contest options voted and is used during the Results Audit portion of testing
 - Overvotes account for a contest in which a choice has been made for more candidates than allowable, per instruction
 - Undervotes account for a contest for which no selection is made and/or less selections are made than allowable, per instruction
 - If the contest shows “No candidate for this office”, there is no selection to be made and no undervote to be accounted for
7. The buddy system:
 - After each participant has voted his/her set of ballots, he or she will team up with another participant and will complete the MVW and electronic voting portion in teams of two
 - Participant will not be associated with the scanning or tabulation process
 - Participant must be affiliated with a separate party (bi-partisan teams)
8. Electronic (DRE) voting (may be completed simultaneously with ballot scanning)
 - Disabled Access Unit (DAU/eSlate) is an electronic voting machine that provides voting accessibility to voters who may be otherwise unable to mark a paper ballot privately and independently
 - DAU includes an audio ballot reader with headphones, and can accept adaptive devices for voters with mobility impairments
 - Today we will test the DAUs for accuracy, with at least two audio ballots voted to ensure proper recording
 - Members will witness the public counter is set to zero and a “zeroed” report will be produced prior to voting
9. Ballot (Mail-in) scanning(may be completed simultaneously with electronic voting)
 - The scan station is designed to capture an image of a voter’s paper ballot, process the image of that ballot using the Ballot Now Software, and capture the voter’s choices
 - These are called Cast Vote Records (CVRs)
 - Today we are testing these systems to ensure the choices are being accurately captured and recorded
 - We want to make sure that a choice for Candidate A is being recorded as a vote for Candidate A, and not Candidate B and that there is compatibility between the ballots (proper printing and alignment), and the equipment
 - Members will witness the public counter is set to zero and a “zeroed” report will be produced prior to scanning



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- The scanning station also provides for the resolution of voter intent as prescribed by the Colorado Secretary of State
 - Ballots that have been overvoted and properly corrected will be flagged and resolved per state guidelines
 - Notations of any corrections required shall be made on the MVW for use in result auditing and discrepancy resolution
- Prior to scanning, there will be a review of the ballots by staff to look for damaged or improperly marked ballots that would require manual review or duplication during the election cycle
 - Damaged Ballots: A damaged ballot is one that has been torn, bent, or otherwise mutilated or rendered unreadable, so that it cannot be processed by the optical scanner. [\(Rule 27.1.3\)](#)
 - Damaged ballots shall include all ballots that contain a foreign substance that could potentially interfere with the optical scan machine (i.e. food, drink, etc.). [\(Rule 27.1.3\(a\)\)](#)
 - Damaged ballots may include ballots that are marked in a medium other than the medium indicated in the ballot instructions. [\(Rule 27.1.3\(b\)\)](#)
 - Improper markings: X's or V's as well as obvious stray marks, hesitant marks, incomplete marks or parts of written notes that are within the target area of a contest option where no other choice has been made

10. Tabulation

- The Tally station is designed to take voter choices (CVRs) from one or more scan systems and tabulate the votes into a combined results report
- Today we will confirm that it is accurately tabulating those results

11. Results audit

- To complete the testing of election equipment, the results report from Tally shall be compared to the manual verification worksheets
- Any discrepancies found will be documented and researched
- This will confirm that there are no issues with the election equipment and that they are qualified for election usage

12. Discrepancy resolution (in order of escalation)

- Review for entry and recording errors
 - Review MVW for too few or too many votes captured
 - Review ballots with MVW for incorrect recording and recount if needed
 - Review Ballot Now for resolution differences (if applicable)
 - Review comparison and recount if needed (if applicable)
- If error is identified as a hardware or software error on single device
 - Validate other tested equipment was not impacted
 - Mark device unsatisfactory, replace and test alternative/new device
- If error is identified on more than one device and devices are failing in similar fashion
 - Test multiple devices that could reasonably have same error
 - Mark devices unsatisfactory, replace and test alternative/new devices
 - If enough resources are not available for replacement, error shall be corrected and retesting will be completed
- If error is identified as a software or ballot programming error
 - Alert DEO for correction
 - Correct software or ballot programming error and restart testing from beginning



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13. Cumulative results of testing

- When all individual results have been audited the county shall provide a cumulative result report of testing
- This will include a cumulative manual verification worksheet, and a cumulative tabulation result report
- The reports will be verified for accuracy and provided to the representatives of the board for review

14. Resetting and resealing of equipment

- At the end of the LAT the test board members will witness the resetting of all equipment used in the LAT back to its original state of readiness for the election and the resealing of equipment where applicable

15. Sign off and Statement of Qualification

- At the end of testing the representatives of the board will review all test result document, ensure all appropriate sign offs have occurred, and sign the Statement of Qualification officiating the successful completion of the Logic and Accuracy Test

16. All testing material will then be sealed and secured at the end of the LAT process



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Requirements of the LAT

Preparation:

- ✓ 25 test ballots were provided to Test Board representatives
- ✓ All ballots were marked "TEST"
- ✓ Voting choices were made secretly and members retained the tally (Manual Verification Worksheet)
- ✓ Each voting device utilized in a given election and each method of counting is represented in testing
- ✓ Members selected each device for testing

Electronic (DRE) ballot testing:

Test Board Members completed the following:

- ✓ Witnessed the public counter set to zero
- ✓ Viewed the zero report
- ✓ Tested two audio ballots
- ✓ Verified V-VPAT against their test ballots
- ✓ Viewed the JBC Summary Report from suspending polls

Scan (Mail-in) ballot testing:

Test Board Members witnessed the following:

- ✓ The public counter set to zero
- ✓ The zero report
- ✓ The processing of test ballots on the Ballot Now station

Tabulation:

Test Board Members witnessed the following:

- ✓ Tabulation counts set to zero
- ✓ Tabulation zero report
- ✓ Tabulation of CVRs from Electronic and Mail-in ballot testing
- ✓ Members were provided with individual results reports from Tally

Comparison:

- ✓ Members manually compared the machine results (from the Tally station) to their individual tally (Manual Verification Worksheet)
- ✓ Members verified that machine results matched individual tallies
- ✓ Members manually verified that the V-VPAT to ensure it matched ballot choice and member tally (Manual Verification Worksheet)

County test ballots:

- ✓ Every precinct and ballot style has been prepared for testing
- ✓ A mark has been made for every voting position on all ballots, which includes every contest and every candidate on the ballot. Overvotes and undervotes were also included.



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Storage of test material:

- ✓ Test material were contained in the testing area and secured in a locked metal cage when not in use
- ✓ Member ballots were secured and sealed individually
- ✓ Members witnessed the sealing and unsealing of their test materials

Resetting and resealing of equipment:

- ✓ Members witnessed the resetting and sealing of each tested voting device after the completion of testing
- ✓ Members verified and documented the newly attached device seals
- ✓ Members have included the newly attached device seals in the Statement of Qualification documentation



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GUIDELINES FOR THE OBSERVERS AT THE LOGIC AND ACCURACY TEST

- The public test shall be open to representatives of the political parties, the press, and the public, subject to the rules promulgated by the secretary of state. ([CRS 1-7-509\(2\)\(b\)](#))
- Each major political party, minor political party, ballot issue committee that has an issue on the ballot, and coordinating entity may designate one person, who shall be allowed to witness all public tests and the counting of pretest votes. If an observer or designee hinders or disturbs the test process, the designated election official may remove the person from the test area. An observer or designee who has been removed from a public test may be barred from future tests. The absence of observers or designees shall not delay or stop the public test. ([CRS 1-7-509\(2\)\(b\)](#))
- The LAT shall be open to representatives of the press and the public to the extent allowable and pursuant to section 1-7-509(2)(b), C.R.S. The designated election official may limit the number of representatives from each group to accommodate for space limitations and other considerations. ([Rule 11.5.3.3](#))
- The election official will set up a table which contains name tags and a sign-in sheet (everyone conducting or observing the test must wear a name tag and must sign-in). Election officials will be provided a copy of the LAT Summary of Procedures and a copy of the Secretary of State Rules concerning the conducting of the LAT.
- The Logic & Accuracy Testing will take substantially all of the Elections staff time and resources today. Therefore, any questions should be directed to Molly Tayer, the Election Coordinator. At the conclusion of today's testing a representative of the Clerk's testing staff will be available for questions.

Voter Instructions

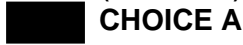
Boulder County Primary Election – June 26, 2012

How do I mark my ballot?

- Only use a **black or blue ballpoint pen** to mark your ballot. Do not use highlighter, marker, pencil or crayon.
- Completely fill in the box provided to the left of your choice on the ballot.
- It is important to follow all of the marking instructions below.

CORRECT MARK:

(Vote for one)



CHOICE A



CHOICE B

INCORRECT MARK:

(Vote for one)



CHOICE A



CHOICE B

INCORRECT MARK:

(Vote for one)



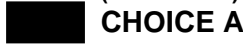
CHOICE A



CHOICE B

TO CHANGE OR CORRECT A SELECTION:

(Vote for one)



CHOICE A



CHOICE B

(Draw a line through the choice you do not want.)

How do I return my ballot?

- ___ Place only your voted ballot in the secrecy sleeve. Do not return the voter instructions (this page).
- ___ Place the secrecy sleeve (with voted ballot) in the official return envelope.
- ___ Make sure your name is printed on the official return envelope.
- ___ Sign and date the "AFFIDAVIT OF VOTER" located on the back side of the official return envelope, under the flap. Review the example below. Sign your name as you would normally provide your signature.
- ___ Seal the envelope.
- ___ Affix adequate postage if you are mailing your ballot: **\$0.45**

By law, your signature is required on the AFFIDAVIT OF VOTER (located on the back side of the official return envelope). If you do not sign the affidavit; your ballot will not be counted. →

It is illegal to vote another person's ballot and/or sign another person's ballot envelope. All signatures are verified.

Only one voter's ballot is permitted in your official return envelope. If more than one ballot is placed in your official return envelope, none of the ballots will be counted.

All valid mail-in ballots are counted in every election in Colorado, regardless of the outcome or closeness of any race.



\$0.45

Postage Required

- You may return your voted ballot by mail (affix adequate postage) or you can deliver your ballot to a designated drop-off location.
- Review designated drop-off locations on the reverse of this page.

When is my ballot due in the Clerk & Recorder's Office?

Ballots must be **received** by the Boulder County Clerk & Recorder or designated drop-off location by 7 p.m. on Primary Election Day, Tuesday, June 26, in order for your vote(s) to be counted. Ballots received after 7 p.m. on June 26 will not be counted. **Postmarks do not count as a received date.**

How do I know you received my ballot?

Check your voter information at www.BoulderCountyVotes.org to verify your ballot was received.

What should I do if I make a mistake, damage or lose my ballot?

You may request a replacement ballot by emailing Vote@BoulderCountyVotes.org or by calling **303-413-7740**.

AFFIDAVIT OF VOTER

I state under penalty of perjury that I am an eligible elector; that my signature and name are as shown on this envelope; that I have not and will not cast any vote in this election except by the enclosed ballot, and that my ballot is enclosed in accord with the provisions of the "Uniform Election Code of 1992."

X George Washington
Voter's Signature -- (Signature Required)

TODAY'S DATE _____

* Witness _____

* In case of applicant's disability or inability to sign personally, his/her mark shall be witnessed by another person.

Designated Service Center Locations

Boulder County Clerk & Recorder's Office

Boulder - 1750 33rd Street

- 8 a.m.- 4:30 p.m., Monday-Friday, June 4-June 15
- 8 a.m. - 6 p.m., Monday-Friday, June 18-June 25
- 9 a.m.- 3 p.m., Saturday, June 23
- 7 a.m.- 7 p.m., Primary Election Day, June 26

Boulder County Clerk & Recorder's Office

Longmont - 529 Coffman Street

- 8 a.m.- 6 p.m., Monday-Friday, June 18-June 25
- 9 a.m.- 3 p.m., Saturday, June 23
- 7 a.m.- 7 p.m., Primary Election Day, June 26

Centaurus High School

Lafayette – 10300 South Boulder Road, Room 144

- 8 a.m.- 6 p.m., Monday-Friday, June 18-June 25
- 9 a.m.- 3 p.m., Saturday, June 23
- 7 a.m.- 7 p.m., Primary Election Day, June 26

Service Centers are available to conduct the following:

- Vote in person on an ADA accessible voting machine or paper ballot
- Update voter registration information
- Receive a replacement ballot
- Drop off a voted ballot
- Unaffiliated voters can affiliate with a party, receive a ballot and vote.

Designated Ballot Drop-off Locations

Location	Inside Building Drop-Off Times/Dates	Drive-By Drop-Off Times/Dates
BOULDER <i>County Clerk & Recorder</i> <i>1750 33rd Street</i>	<ul style="list-style-type: none"> • 8 a.m.- 4:30 p.m., Monday - Friday, June 4 - June 15 • 8 a.m.- 6 p.m., Monday - Friday, June 18 - June 25 • 9 a.m.- 3 p.m., Saturday, June 23 • 7 a.m.- 7 p.m., Tuesday, June 26 	<ul style="list-style-type: none"> • 9 a.m.- 3 p.m., Saturday, June 23 • 8 a.m.- 6 p.m., Monday, June 25 • 7 a.m.- 7 p.m., Tuesday, June 26
BOULDER <i>Boulder County Courthouse</i> <i>1325 Pearl Street</i>	<ul style="list-style-type: none"> • 8 a.m.- 4:30 p.m., Monday - Friday, June 18 - June 25 • 7 a.m.- 7 p.m., Tuesday, June 26 	
LONGMONT <i>Boulder County Clerk and Recorder</i> <i>529 Coffman Street</i>	<ul style="list-style-type: none"> • 8 a.m.- 6 p.m., Monday - Friday, June 18 - June 25 • 9 a.m.- 3 p.m., Saturday, June 23 • 7 a.m.- 7 p.m., Tuesday, June 26 	
LONGMONT <i>Drive-up Ballot Collection</i> <i>534 Terry Street</i>		<ul style="list-style-type: none"> • 9 a.m.- 3 p.m., Saturday, June 23 • 8 a.m.- 6 p.m., Monday, June 25 • 7 a.m.- 7 p.m., Tuesday, June 26
LAFAYETTE (new location) <i>Centaurus High School, Room 144</i> <i>10300 South Boulder Road</i>	<ul style="list-style-type: none"> • 8 a.m.- 6 p.m., Monday - Friday, June 18 - June 25 • 9 a.m.- 3 p.m., Saturday, June 23 • 7 a.m.- 7 p.m., Tuesday, June 26 	
LOUISVILLE <i>Boulder County Clerk & Recorder</i> <i>722 Main Street</i>	<ul style="list-style-type: none"> • 8 a.m.- 4:30 p.m., Monday - Friday, June 18 - June 25 • 7 a.m.- 7 p.m., Tuesday, June 26 	
LOUISVILLE <i>Steinbaugh Pavilion</i> <i>824 Front Street</i>		<ul style="list-style-type: none"> • 9 a.m.- 3 p.m., Saturday, June 23 • 8 a.m.- 6 p.m., Monday, June 25 • 7 a.m.- 7 p.m., Tuesday, June 26

Rule 11. Rules Concerning Voting Systems

11.1 Definitions

- 11.1.1 “Central Count” shall mean a ballot counting process whereby cumulative voting totals are tabulated for multiple precincts and multiple ballot styles at a single location.
- 11.1.2 “Election Setup Records” shall mean the electronic records generated by election tabulation software during election setup to create and define ballots, tabulation instruction, and other functions related to the election.
- 11.1.3 “Electronic Ballot” shall mean a ballot that is presented to the voter in a non-paper form such as on a touch screen or through audio feedback. After a voter casts an electronic ballot, the voter’s choices may be:
- Marked and printed on a paper ballot for subsequent counting by a paper ballot scanning device; or
 - Digitally recorded and counted by the touch screen device, commonly referred to as a Direct Record Electronic (DRE) device.
- 11.1.4 “Election Software” shall mean the software to be installed or residing on election equipment firmware or on election management computers that control election setup vote recording, vote tabulation and reporting.
- 11.1.5 “Electronic Voting Device” shall mean a device by which votes are recorded electronically, including a touch screen system.
- 11.1.6 “Electronic Vote-Tabulating Equipment” or “Electronic Vote-Counting Equipment” shall mean any apparatus that examines and records votes automatically and tabulates the result, including but not limited to optical scanning equipment. The term includes any apparatus that counts votes electronically and tabulates the results simultaneously on a paper tape within the apparatus, that uses an electronic device to store the tabulation results, and that has the capability to transmit the votes into a central processing unit for purposed of a printout and an official count.
- 11.1.7 “Electromechanical Voting System” shall mean a system in which an elector votes using a device for marking a paper ballot using ink or another visible substance and the votes are counted with electronic vote-tabulating equipment, or a system in which votes are directly recorded electronically within the equipment on paper tape and are recorded simultaneously on an electronic device that permits tabulation at a counting center.
- 11.1.8 “Firmware” shall mean computer programs, stored on read-only memory devices or other electronic circuitry in voting devices, WHICH control the basic operation and functioning of those devices.
- 11.1.9 “Logic and Accuracy Test (LAT)” shall mean a step by step documented review of a voting device’s ability, prior to use in any election, to produce accurate results on voter choices for the candidates and ballot issues in an election. The Logic and Accuracy test shall fulfill the requirements OF the Public Test as identified in section 1-7-509(2), C.R.S.
- 11.1.10 “Precinct Count” shall mean a ballot counting process whereby voting totals are tabulated for single/multiple precincts OR single/multiple ballot styles at individual polling place locations.

- 11.1.11 “Secure” as USED in section 1-7-505, C.R.S., shall mean any method of preventing the use of the voting equipment prior to and after all legal votes are cast.
- 11.1.12 “Vote Center Count” shall mean a ballot counting process whereby cumulative voting totals are tabulated for multiple precincts and multiple ballot styles at multiple locations.
- 11.1.13 “V-VPAT” shall mean “voter verified paper record” as defined in section 1-1-104(50.6), C.R.S.
- 11.1.14 “Voting System” shall mean a system that facilitates the process of casting, recording, and tabulating votes using electromechanical or electronic devices or ballot cards and includes, but is not limited to, the procedures of casting and processing votes and the operating manuals, hardware, firmware, printouts, and software necessary to operate the voting system.
- 11.1.15 “Voting System Provider” shall mean an individual engaged in private enterprise or a business entity engaged in selling, leasing, marketing, designing, building, or modifying voting systems to the state, a political subdivision of the state, or another entity authorized to hold an election under Title 1 of the Colorado Revised Statutes.
- 11.1.16 “Zero Tape” shall mean a printout of the internal data registers in electronic vote-tabulating equipment indicating that those registers contain values of “Zero (0)” and reflect no voter choices for any candidate or ballot issue.

11.5.3 Logic and Accuracy Test

The designated election official shall conduct a Logic and Accuracy Test according to the following requirements.

- 11.5.3.1 The designated election official shall create a Testing Board consisting of at least two persons, one from each major political party.
- 11.5.3.2 Prior to the commencement of voting, the designated election official shall conduct the public Logic and Accuracy Test.
- 11.5.3.3 The Logic and Accuracy test shall be open to representatives of the press and the public to the extent allowable and pursuant to section 1-7-509(2)(b), C.R.S. The designated election official may limit the number of representatives from each group to accommodate for space limitations and other considerations.
- 11.5.3.4 Testing Board Test Ballots – In preparation for the Logic and Accuracy Test, the designated election official shall provide to each member of the Testing Board, at least twenty-five (25) ballots that are clearly marked as test ballots to be used for the Logic and Accuracy Test.
- 11.5.3.5 The members of the Testing Board shall secretly vote their position and retain a record of the tally of their test votes. The test ballots shall have a known predetermined outcome by the members of the Testing Board's secret vote and tally. Of the twenty-five test ballots, two shall be tested as audio ballots where applicable.
- 11.5.3.6 County Test-Ballots – In preparation for the Logic and Accuracy Test, the designated election official shall prepare a sufficient number of test ballots that represent every precinct which shall include every ballot style, allow for a sufficient number of ballots to mark every vote position for every candidate on every race including write-in candidates, allow for situations where a race may permit an elector to vote for two or more positions, and include overvotes and undervotes for each race.
- 11.5.3.7 The test ballots shall be tested on each type of voting device utilized in a given election and each method of counting. The tests shall include testing of mail-in ballot counting methods, election day counting methods, provisional ballot counting methods, early voting counting methods and audio ballots, if applicable.
- 11.5.3.8 Conducting the Test
 - 11.5.3.8.1 The designated election official and Testing Board shall observe the tabulation of all test ballots by means of the voting device and compare the tabulation with the previously retained records of the test vote count. The cause of any discrepancies shall be corrected prior to the start of vote tabulation.
 - 11.5.3.8.2 Prior to the start of testing, all devices used will have the public counter reset to zero, and presented to the testing board for

verification. For any device capable of producing the trusted build hash value (MD5 or SHA-1) of the firmware or software, the Election Official shall verify and document the accuracy of the value to be included with the records for the device.

11.5.3.8.3 An appropriate number of voting devices will be available and the testing board may witness the necessary programming and/or downloading of memory devices necessary to test the specific precincts.

11.5.3.8.4 The Testing Board and designated election official or his or her designated deputized clerks, as necessary, shall count the test ballots as follows:

(a) Mail-in Ballots:

- (1) All county test ballots shall be counted on at least one, but not more than three, mail-in ballot vote counting devices and have the predetermined total verified to the machine total.
- (2) All Testing Board Member test ballots shall be counted individually with reports generated to verify the machine count to the predetermined hand tally.

(b) Precinct Count Ballots (Optical Scan and DRE):

- (1) The Testing Board shall randomly select 20% but not more than 10 ballots representing unique precincts from the Testing Board's test ballots.
- (2) In the event a selected precinct contains a combination of DRE and Optical Scan voting devices, the Testing Board shall decide on the percentage of ballots to be counted on each type of device used for that precinct.
- (3) The precinct specific county test ballots will be added to the testing board test ballots to be counted on the specific precinct device. The testing board shall manually verify the ballots to be counted prior to any machine count.
- (4) The Testing Board shall verify the manual count to the voting device count.

(c) Vote Center Count Ballots – Optical Scan:

- (1) All testing board test ballots shall be counted on at least one, but not more than 5 voting devices designated for Vote Center Counting and have the predetermined total verified to the machine total.
- (2) All test ballots shall be counted individually with reports generated to verify the machine count to the predetermined tally of the test ballots.

- (3) The testing board shall randomly select the machines to be tested.
 - (d) Vote Center Count Ballots – DREs:
 - (1) All testing board test ballots shall be counted on at least one, but not more than 5 DREs designated for Vote Center Counting and have the predetermined total verified to the machine total.
 - (2) All test ballots shall be counted individually with reports generated to verify the machine count to the predetermined tally of the test ballots.
 - (3) The testing board shall randomly select the machines to be tested.
 - (e) Early Voting and Provisional Ballots Counted on Optical Scan Devices:
 - (1) All test ballots shall be counted on at least one, but not more than five, optical scan devices designated for Early Voting or Provisional Ballot Counting and have the predetermined total verified to the machine total.
 - (2) All test ballots shall be counted individually with reports generated to verify the machine count to the predetermined tally of the test ballots.
 - (f) Early Voting and Provisional Ballots Counted on DREs:
 - (1) All test ballots shall be counted on at least one, but not more than five, DREs designated for Early Voting or Provisional Ballot Counting and have the predetermined total verified to the machine total.
 - (2) All Testing Board Member test ballots shall be counted individually with reports generated to verify the machine count to the predetermined tally of the Testing Board test ballots.
- 11.5.3.8.5 DREs equipped with V-VPAT devices shall be manually verified (by hand) to determine that the pre-determined total of the testing board ballots, matches the V-VPAT total, which in turn matches the machine total.
- 11.5.3.8.6 At least two of the testing board ballots shall be identified as Audio Ballots to be tested as such, and included with the count.
- 11.5.3.8.7 All test materials, when not in use, shall be kept in a metal box with individual seals for each member of the Testing Board. The designated election official may affix his or her own seal in addition to those of the Testing Board. The designated election official shall be the custodian of the box or boxes but shall not open and/or use the test materials outside of the presence of the Testing Board.

- 11.5.3.8.8 The Testing Board and the designated election official shall sign a written statement attesting to the qualification of each device that was successfully tested, the number of the seal attached to the voting device at the end of the test, any problems discovered, and provide any other documentation as necessary to provide a full and accurate account of the condition of a given device.
- 11.5.3.8.9 Upon completion of the testing, the Testing Board shall witness the resetting and sealing of each tested voting device.

1-7-509. Electronic and electromechanical vote counting - testing of equipment required. (1) (a) An electronic or electromechanical voting system shall be tested at the conclusion of maintenance and testing. The tests shall be sufficient to determine that the voting system is properly programmed, the election is correctly defined on the voting system, and all of the voting system's input, output, and communication devices are working properly.

(b) The designated election official shall conduct at least three tests on all electronic and electromagnetic voting equipment, including a hardware test, a public logic and accuracy test conducted in accordance with subsection (2) of this section, and a postelection test or audit conducted in accordance with rules promulgated by the secretary of state. Each type of ballot, including mail-in, early voting, provisional, precinct, and audio ballots, shall be tested in accordance with rules promulgated by the secretary of state. The tests shall ensure that the equipment will correctly count the votes cast for all offices and on all ballot questions and ballot issues and that the voting system will accurately count ballots of all types.

(c) (I) For all partisan elections, the designated election official shall select a testing board comprising at least two persons, one from each major political party, from the list provided by the major political parties pursuant to section 1-6-102.

(II) For all nonpartisan elections, the designated election official or coordinated election official, as applicable, shall select a testing board comprising at least two persons who are registered electors.

(2) (a) A public test of voting equipment shall be conducted prior to the commencement of voting in accordance with this section by processing a preaudited group of ballots produced so as to record a predetermined number of valid votes for each candidate and on each ballot question or ballot issue. The test shall ensure that the system accurately records votes when the elector has the option of voting for more than one candidate in a race. The test shall ensure that the voting system properly rejects and does not count overvotes and undervotes.

(b) The public test shall be open to representatives of the political parties, the press, and the public, subject to the rules promulgated by the secretary of state pursuant to subsection (6) of this section. Each major political party, minor political party, ballot issue committee that has an issue on the ballot, and coordinating entity may designate one person, who shall be allowed to witness all public tests and the counting of pretest votes. If an observer or designee hinders or disturbs the test process, the designated

election official may remove the person from the test area. An observer or designee who has been removed from a public test may be barred from future tests. The absence of observers or designees shall not delay or stop the public test.

(c) The testing board shall convene and designate at least one member to represent the board during the testing, sign the necessary reports, and report to the board. The programs and ballots used for testing shall be attested to and sealed by the board and retained in the custody of the designated election official. The absence of a member of the testing board shall not delay or stop the test.

(d) Upon completion of the testing conducted pursuant to this section, the testing board or its representative and the representatives of the political parties, ballot issue committees, and coordinating entities who attended the test may witness the resetting of each device that passed the test to a preelection state of readiness and the sealing of each such device in order to secure its state of readiness.

(e) The testing board or its representative shall sign a written statement indicating the devices tested, the results of the testing, the protective counter numbers of each device, if applicable, the number of the seal attached to each device upon completion of the testing, any problems reported to the designated election official as a result of the testing, and whether each device tested is satisfactory or unsatisfactory.

(3) Notice of the fact that the public test will take place shall be posted in the designated public place for posting notices in the county for at least seven days before the public test. The notice shall indicate the general time frame during which the test may take place and the manner in which members of the public may obtain specific information about the time and place of the test. Nothing in this subsection (3) shall preclude the use of additional methods of providing information about the public test to members of the public.

(4) (a) If any tested device is found to have an error in tabulation, it shall be deemed unsatisfactory. For each device deemed unsatisfactory, the testing board shall attempt to determine the cause of the error, attempt to identify and test other devices that could reasonably be expected to have the same error, and test a number of additional devices sufficient to determine that all other devices are satisfactory. The cause of any error detected shall be corrected, and an errorless count shall be made before the voting equipment is approved. The test shall be repeated and errorless results achieved before official ballots are counted.

(b) If an error is detected in the operation or output of an electronic voting device, including an error in spelling or in the order of candidates on a ballot, the problem shall be reported to the testing board and the designated election official. The designated election official shall correct the error.

(c) A voting device deemed unsatisfactory shall be recoded, repaired, or replaced and shall be made available for retesting unless a sufficient number of tested backup devices is available to replace the unsatisfactory device. The backup device may not be used in the election unless the testing board or its representative determines that the device is satisfactory. The designated election official shall announce at the conclusion of the first testing the date, place, and time that an unsatisfactory device will be retested, or, at the option of the testing board, the designated election official shall notify by telephone each person who was present at the first testing of the date, place, and time of the retesting.

(5) The designated election official shall keep records of all previous testing of electronic and electromechanical tabulation devices used in any election. Such records shall be available for inspection and reference during public testing by any person in attendance. The need of the testing board for access to such records during the testing shall take precedence over the need of other attendees for access so that the work of the testing board will not be hindered. Records of testing shall include, for each device, the name of the person who tested the device and the date, place, time, and results of each test. Records of testing shall be retained as part of the official records of the election in which the device is used.

(6) The secretary of state shall promulgate rules in accordance with article 4 of title 24, C.R.S., prescribing the manner of performing the logic and accuracy testing required by this section.

Source: L. 2005: Entire section added, p. 1404, § 27, effective June 6; entire section added, p. 1439, § 27, effective June 6. L. 2007: (1)(b) amended, p. 1779, § 17, effective June 1. L. 2010: (1)(c) amended, (HB 10-1116), ch. 194, p. 833, § 16, effective May 5.

1-7-510. Election software code - escrow - definitions. (1) As used in this section, unless the context otherwise requires, "election setup records" means the electronic records generated by election tabulation software during election setup to define ballots, tabulation instructions, and other functions related to the election.

(2) At the conclusion of programming and after it has been determined that a voting system is in proper working order and ready for voting, the designated election official shall deposit a copy of the election setup records for a county, statewide, or congressional vacancy election with the secretary of state no later than 5:00 p.m. on the seventh day before the election.

(3) If the election setup records are modified or altered after they are submitted to the secretary of state, the designated election official shall immediately report the change to the secretary of state and deposit the modified election setup records with the secretary of state no later than noon on the day of the election.

(4) The secretary of state shall retain election setup records for six months, after which the secretary of state shall return the election setup records to the designated election official. The designated election official shall retain the election setup records for the period of time for which the designated election official is required to retain official election records.

(5) Election setup records deposited with the secretary of state shall not be used for any purpose, except as directed by the secretary of state or ordered by a court. The tape, diskette, cartridge, or other magnetic or electronic storage medium containing election setup records deposited with the secretary of state shall be kept in a secure location when not being used for an official purpose in accordance with this subsection (5).

(6) The secretary of state shall promulgate rules in accordance with article 4 of title 24, C.R.S., to implement this section.

(7) Notwithstanding any other provision of law, election setup records deposited with the secretary of state pursuant to this section shall not be public records for purposes of article 72 of title 24, C.R.S.

Source: L. 2005: Entire section added, p. 1406, § 27, effective June 6; entire section added, p. 1442, § 27, effective June 6.

1-7-511. Election software - voting equipment providers - escrow - definitions. (1) When a voting system provider submits an electronic or electromechanical voting system for certification pursuant to part 6 of article 5 of this title, the voting system provider shall place in escrow with the secretary of state or an independent escrow agent approved by the secretary of state one copy of the election software being certified and supporting documentation. The voting system provider shall place in escrow any subsequent changes to the escrowed election software or supporting documentation.

(2) An officer of the voting system provider with legal authority to bind the voting system provider shall sign a sworn affidavit that the election software in escrow is the same as the election software being used in its voting systems in this state. The officer shall ensure that the statement is true on a continuing basis.

(3) As an additional requirement for certification, the voting system provider shall deposit one copy of the election software with the national software reference library at the national institute of standards and technology.

(4) The secretary of state shall promulgate rules in accordance with article 4 of title 24, C.R.S., prescribing the manner and procedures that voting system providers shall follow to comply with this section.

(5) As used in this section, unless the context otherwise requires, "election software" means the software to be installed or residing on election equipment firmware or on election management computers that controls election setup, vote recording, vote tabulation, and reporting.

(6) Notwithstanding any other provision of law, election software and supporting documentation



Boulder County Clerk & Recorder Elections Division

Participant Logic and Accuracy Reference Sheet

The Logic and Accuracy Test follows hardware verification and ensures that the equipment will correctly count votes. The LAT includes testing the compatibility of the election ballots through the scanning and tabulation equipment and confirms that every voting position on the ballot is accurately counted for all properly voted positions. It also includes testing the electronic voting machines (DRE/DAU/eSlate) and the voter-verifiable paper audit trail (V-VPAT) for accuracy.

Common acronyms:

- **MVW:** Manual Verification Worksheet
- **MBB:** Mobile Ballot Box
- **CVR:** Cast Vote Record
- **eCM:** eSlate Cryptographic Module
- **DRE:** Direct Record Electronic
- **DAU:** Disabled Access Unit (interchanged with DRE and eSlate)
- **eSlate:** Product name (Hart InterCivic) for the DRE
- **JBC:** Judges Booth Controller
- **V-VPAT:** Voter-Verifiable Paper Audit Trail
- **VBO:** Verifiable Ballot Option

Voting your ballot:

1. Mark ballots as indicated on the voter instructions (fill in box completely; no X or v) ([Rule 11.5.3.5](#))
2. Follow the voter instructions for correcting any choice when there is intent to vote scenario.
3. If a mistake (vote, stray mark, hesitant mark) is made in a contest in which you did not intend to vote or you are unable to correct your voting choice, make a written note in the contest area confirming your mistake and request a replacement ballot from staff.

NOTE: Ballots that are damaged or improperly marked are reviewed and/or rejected in the scanning portion of testing. Catching and correcting a mistake immediately prevents delays in testing later.

Overvotes: Keep in mind that member ballots will be used for the electronic portion of voting which does not allow for overvotes. Overvotes will be recorded as undervotes on the DAU and individual tallies will require adjustment.



Boulder County Clerk & Recorder Elections Division

Completing the MVW (2 person process; different affiliations)

For each set of ballots, use the following procedure to complete the manual verification worksheet:

1. Count out the first 10 ballots, labeling the ballot number in the top right hand corner of the ballot (i.e. #1, #2, #3) as you count.
2. Starting with ballot #1, Member 1 reads aloud the ballot number recorded in the top right corner, Member 2 verified this on the MVW.
3. Member 1 reads aloud each contest name and contest selection made, indicating any voting marks that are outside the prescribed voting method.
4. Member 2 will print his/her name on the MVW and record the selections read aloud by Member 1 on the manual verification worksheet by making a slash mark for the appropriate contest option read and makes notation of any abnormal markings as indicated.

NOTE: If a contest has not been voted, a slash mark must be recorded in the Undervote category for that contest.

If the contest shows “No candidate for this office”, there is no selection to be made and NO undervote to be accounted for

5. After 10 ballots have been recorded, member 2 confirms they have accounted for 10 ballots.

NOTE: Board member completes this process for all 25 ballots

6. When all ballots have been recorded, team members will trade roles and repeat the process with a new MVW.
7. When the second MVW has been completed, each team member will individually tally their MVW.
8. Teams will then compare and validate that the results match by reviewing each contest option, noting and resolving any discrepancies found.
9. Both members will initial their MVWs confirming they have verified it to be accurate and true and that all resolution issues have been identified and recorded.
10. After verification has been completed, teams will provide their MVW to an election support staff member.
11. The MVW is copied, initialed by the team members and then entered into the electronic cumulative manual verification spreadsheet.



Boulder County Clerk & Recorder Elections Division

Electronic (DRE) Voting

Note: This process may be completed simultaneously with the scanning portion of testing.
Keep ballots in order for easier auditing and reconciling

1. Zero Report generated
2. Work with partner to vote each members test ballots
 - Member 1 reads aloud voting choice as defined on the paper ballot and makes the selection on the device.
 - Member 2 observes the selection and confirms it matches the paper ballot.
 - Verify V-VPAT with Paper ballot prior to casting ballot
 - Participants will work with a partner to vote at least 2 ballots visually and audibly
 - Ballots must be compared to paper ballot, verifying matching titles and content
 - If OVERVOTES are included; OVERVOTE may be tested, but before moving on, they must be voted as an UNDERVOTE(S) for reconciliation purposes.
3. Generate JBC summary report from suspending polls
4. Cast Vote Records (CVRs) recorded to MBB for each set of test ballots
5. MBB removed for tabulation
6. Record DRE unit number on the MVW and Mobile Ballot Box(MBB)

Ballot (Mail-in) Scanning

1. Zero Report generated
2. Ballots are reviewed for damaged and improperly marked ballots
3. Each member's test ballots are scanned & processed
4. Resolution of voter intent
5. CVRs recorded to MBB for each set of test ballots
6. MBB removed for tabulation

County Test Ballots

1. Voted per requirements of LAT
2. Manual verification worksheet created
3. All test ballots scanned
4. Resolution of voter intent
5. CVRs recorded to MBB
6. MBB removed for tabulation



Boulder County Clerk & Recorder Elections Division

Tabulation

1. New database created
2. Zero Report generated
3. Member MBB tabulated
4. Results report generated
5. Database Finalized

Cumulative Manual Verification and Tabulation

1. New database created
2. Zero Report generated
3. LAT MBBs cumulatively tabulated
4. Results report generated
5. Database Finalized
6. Cumulative electronic MVW completed
7. Audit of cumulative results and summary

Resetting and Resealing of equipment

1. Equipment is reset and resealed (where applicable) back to original state of readiness
2. Newly attached device seals are verified and documented

Certification

1. Review results comparison and confirm all sign off's have been completed
2. Observe the closing and resetting of equipment for the official election process
3. Document any issues with equipment
4. Sign all certification paperwork



Boulder County Clerk & Recorder Elections Division

Logic and Accuracy Test Documentation

BNOW and DAU test information

Election Title:	
2012 Primary Election – June 26th, 2012	
BOSS Database IDs	Date
MB: 100001 DAU: 100001	May 8 th , 2012

Test Date(s)	Test Location
May 23 rd , 2012	1750 33 rd St. Boulder, CO

Title	Printed Name / Team #	BNOW MBB ID Number	DRE MBB ID Number
LAT County Coordinator	Molly Tayer	N/A	N/A
Board Member #1	George Epp Democratic Party Representative	017	010
Board member #2	Daniel Martin Republican Party Representative	016	011
Board member #3	Represented by Support Staff American Constitution Party Representative	018	012
Participant – Republican	Russel Boehm	017	010
Participant – Democratic	Gretchen Diefenderfer	016	011
County Test Deck	Patricia Stahl (REP)	013	N/A
County Test Deck	Crystal Christman (UAF)	013	N/A
County Test Deck	Chris Tourscher (REP)	013	N/A
Support Member	Brad Light (eSlate)	N/A	N/A
Support Member	Patricia Stahl (Scan Room)	N/A	N/A
Support Member	Crystal Christman (Tabulation)	N/A	N/A
Support Member	Chris Tourscher (Scan Room)	N/A	N/A
Support Member	Will DeOreo (DEM) – DRE support for REP	N/A	011
Support Member	Kevin Klose (UAF) – DRE support for Rep	N/A	012
Support Member	Ken Anderson (REP) – DRE support for DEM	N/A	012
Support Member	Mike Dominguez (UAF) – DRE support for REP	N/A	011
Support Member	Taylor Odell (REP) Representative for ACN deck	018	012
Support Member	Elin Larson (UAF) Representative for ACN deck	018	012



Boulder County Clerk & Recorder Elections Division

LAT DEVICE DOCUMENTATION					
Device ID	Type of Device	Member Testing Device	Accepted/ Rejected	Initials	Seal # (Where applicable)
Boulder C03DB2	JBC	Russell Boehm George Epp	Accepted	On File	97179
Booth 6 A0A804	DAU (DRE/eSlate)	Russel Boehm	Accepted	On File	0454479
Booth 6 V047B1	VBO	Russel Boehm	Accepted	On File	348305
Booth 9 A0A830	DAU (DRE/eSlate)	George Epp	Accepted	On File	0454374
Booth 9 V036B7	VBO	George Epp	Accepted	On File	347280
Lafayette C03D0C	JBC	Elin Larson Taylor Odell	Accepted	On File	97179
Booth 7 A0A814	DAU (DRE/eSlate)	Taylor Odell	Accepted	On File	0454996
Booth 7 V036D8	VBO	Taylor Odell	Accepted	On File	348304
Booth 8 A0A829	DAU (DRE/eSlate)	Elin Larson	Accepted	On File	0454497
Booth 8 V03160	VBO	Elin Larson	Accepted	On File	348308
Longmont C03D06	JBC	Gretchen Diefenderfer Daniel Martin	Accepted	On File	97171
Booth 4 A0AB26	DAU (DRE/eSlate)	Gretchen Diefenderfer	Accepted	On File	0454998
Booth 4 V036A1	VBO	Gretchen Diefenderfer	Accepted	On File	348307
Booth 5 A0A7EA	DAU (DRE/eSlate)	Daniel Martin	Accepted	On File	0454925
Booth 5 V03659	VBO	Daniel Martin	Accepted	On File	347281



Boulder County Clerk & Recorder Elections Division

Requirements of the LAT

Preparation:

- ✓ 25 test ballots were provided to Test Board representatives
- ✓ All ballots were marked "TEST"
- ✓ Voting choices were made secretly and members retained the tally (Manual Verification Worksheet)
- ✓ Each voting device utilized in a given election and each method of counting is represented in testing
- ✓ Members selected each device for testing

Electronic (DRE) ballot testing:

Test Board Members completed the following:

- ✓ Witnessed the public counter set to zero
- ✓ Viewed the zero report
- ✓ Tested two audio ballots
- ✓ Verified V-VPAT against their test ballots
- ✓ Viewed the JBC Summary Report from suspending polls

Scan (Mail-in) ballot testing:

Test Board Members witnessed the following:

- ✓ The public counter set to zero
- ✓ The zero report
- ✓ The processing of test ballots on the Ballot Now station

Tabulation:

Test Board Members witnessed the following:

- ✓ Tabulation counts set to zero
- ✓ Tabulation zero report
- ✓ Tabulation of CVRs from Electronic and Mail-in ballot testing
- ✓ Members were provided with individual results reports from Tally

Comparison:

- ✓ Members manually compared the machine results (from the Tally station) to their individual tally (Manual Verification Worksheet)
- ✓ Members verified that machine results matched individual tallies
- ✓ Members manually verified that the V-VPAT to ensure it matched ballot choice and member tally (Manual Verification Worksheet)

County test ballots:

- ✓ Every precinct and ballot style has been prepared for testing
- ✓ A mark has been made for every voting position on all ballots, which includes every contest and every candidate on the ballot. Overvotes and undervotes were also included.



Boulder County Clerk & Recorder Elections Division

Storage of test material:

- ✓ Test material were contained in the testing area and secured in a locked metal cage when not in use
- ✓ Member ballots were secured and sealed individually
- ✓ Members witnessed the sealing and unsealing of their test materials

Resetting and resealing of equipment:

- ✓ Members witnessed the resetting and sealing of each tested voting device after the completion of testing
- ✓ Members verified and documented the newly attached device seals
- ✓ Members have included the newly attached device seals in the Statement of Qualification documentation



Boulder County Clerk & Recorder Elections Division

Statement of Qualification of Election Devices

I attest that, to the best of my knowledge, each election device used in the Logic and Accuracy Test (LAT) passed the requirements of the LAT and accurately tabulated all properly marked LAT ballots.

It is the determination of the Logic and Accuracy Testing Board that all devices tested are qualified to be used in the 2012 Primary Election on June 26th, 2012.

On File at the Clerk & Recorder
George Epp, Democratic Party
Representative, LAT Testing Board

On File at the Clerk & Recorder
Daniel Martin, Republican Party
Representative, LAT Testing Board

No Representative Participated
N/A, American Constitution Party
Representative, LAT Testing Board

On File at the Clerk & Recorder
Hillary Hall
Boulder County Clerk & Recorder

Any problems discovered during testing are described as follows. Additionally, I am reporting any other information or attaching any additional documentation that might be necessary to provide a full and accurate account of the condition of each piece of equipment:

George Epp, Democratic Party Representative of LAT Testing Board:

None

Daniel Martin, Republican Party Representative of LAT Testing Board:

N/A

N/A, American Constitution Party Representative of LAT Testing Board:

N/A

Hillary Hall, Boulder County Clerk & Recorder:

N/A

2012 Primary Election LAT - Mail-In — Official
Boulder County, Colorado — 2012 Boulder County Primary Election — June 26, 2012

Total Number of Voters : 3,454 of 92,540 = 3.73%

Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee	Early	Election	Total
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REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 2, Vote For 1 Democratic

DEM	Jared Polis	97	100.00%	17	100.00%	0	0.00%	114	100.00%
Cast Votes:		97	11.23%	17	100.00%	0	0.00%	114	12.94%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		767	88.77%	0	0.00%	0	0.00%	767	87.06%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	176	0.00%	881	46,793	1.88%

REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 2, Vote For 1 Republican

REP	Kevin Lundberg	86	62.77%	6	35.29%	0	0.00%	92	59.74%
REP	Eric Weissmann	51	37.23%	11	64.71%	0	0.00%	62	40.26%
Cast Votes:		137	15.87%	17	94.44%	0	0.00%	154	17.48%
Over Votes:		40	4.63%	0	0.00%	0	0.00%	40	4.54%
Under Votes:		686	79.49%	1	5.56%	0	0.00%	687	77.98%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	176	0.00%	881	16,520	5.33%

REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 2, Vote For 1 American Constitution

No Candidate for Race		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Cast Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	176	0.00%	819	59	1,388.14%

REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 4, Vote For 1 Democratic

DEM	Brandon Shaffer	38	100.00%	8	100.00%	0	0.00%	46	100.00%
Cast Votes:		38	13.01%	8	100.00%	0	0.00%	46	15.33%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		254	86.99%	0	0.00%	0	0.00%	254	84.67%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	58	0.00%	300	15,109	1.99%

2012 Primary Election LAT - Mail-In — Official
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Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee	Early	Election	Total
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REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 4, Vote For 1 Republican

REP	Cory Gardner	36	100.00%	6	100.00%	0	0.00%	42	100.00%
Cast Votes:		36	12.33%	6	85.71%	0	0.00%	42	14.05%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		256	87.67%	1	14.29%	0	0.00%	257	85.95%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	58	0.00%	299	13,985	2.14%

REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 4, Vote For 1 American Constitution

ACN	Doug Aden	36	100.00%	6	100.00%	0	0.00%	42	100.00%
Cast Votes:		36	13.43%	6	100.00%	0	0.00%	42	15.33%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		232	86.57%	0	0.00%	0	0.00%	232	84.67%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	58	0.00%	274	74	370.27%

STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 2, Vote For 1 Democratic

DEM	Angelika Schroeder	97	100.00%	17	100.00%	0	0.00%	114	100.00%
Cast Votes:		97	11.23%	17	100.00%	0	0.00%	114	12.94%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		767	88.77%	0	0.00%	0	0.00%	767	87.06%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	176	0.00%	881	46,793	1.88%

STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 2, Vote For 1 Republican

REP	Ann Fattor	96	100.00%	16	100.00%	0	0.00%	112	100.00%
Cast Votes:		96	11.12%	16	88.89%	0	0.00%	112	12.71%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		767	88.88%	2	11.11%	0	0.00%	769	87.29%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	176	0.00%	881	16,520	5.33%

2012 Primary Election LAT - Mail-In — Official
Boulder County, Colorado — 2012 Boulder County Primary Election — June 26, 2012

Total Number of Voters : 3,454 of 92,540 = 3.73%

Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee	Early	Election	Total
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REGENT OF THE UNIVERSITY OF COLORADO - AT LARGE, Vote For 1 Republican

REP	Matt Arnold	122	65.59%	12	57.14%	0	0.00%	134	64.73%
REP	Brian Davidson	64	34.41%	9	42.86%	0	0.00%	73	35.27%
Cast Votes:		186	16.10%	21	84.00%	0	0.00%	207	17.54%
Over Votes:		57	4.94%	0	0.00%	0	0.00%	57	4.83%
Under Votes:		912	78.96%	4	16.00%	0	0.00%	916	77.63%

REGENT OF THE UNIVERSITY OF COLORADO - AT LARGE, Vote For 1 American Constitution

ACN	Brian X. Scott	135	100.00%	25	100.00%	0	0.00%	160	100.00%
Cast Votes:		135	12.64%	25	100.00%	0	0.00%	160	14.64%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		933	87.36%	0	0.00%	0	0.00%	933	85.36%

STATE SENATE - DISTRICT 17, Vote For 1 Democratic

DEM	Matt Jones	51	100.00%	11	100.00%	0	0.00%	62	100.00%
Cast Votes:		51	11.18%	11	100.00%	0	0.00%	62	13.28%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		405	88.82%	0	0.00%	0	0.00%	405	86.72%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	94	0.00%	467	24,414	1.91%

STATE SENATE - DISTRICT 17, Vote For 1 Republican

REP	Charlie Plagainos	47	100.00%	7	100.00%	0	0.00%	54	100.00%
Cast Votes:		47	10.33%	7	70.00%	0	0.00%	54	11.61%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		408	89.67%	3	30.00%	0	0.00%	411	88.39%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	94	0.00%	465	18,585	2.50%

2012 Primary Election LAT - Mail-In — Official
Boulder County, Colorado — 2012 Boulder County Primary Election — June 26, 2012

Total Number of Voters : 3,454 of 92,540 = 3.73%

Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee	Early	Election	Total
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STATE REPRESENTATIVE - DISTRICT 10, Vote For 1 Democratic

DEM	Dickey Lee Hullinghorst	12 100.00%	2 100.00%	0 0.00%	14 100.00%
	Cast Votes:	12 4.69%	2 100.00%	0 0.00%	14 5.43%
	Over Votes:	0 0.00%	0 0.00%	0 0.00%	0 0.00%
	Under Votes:	244 95.31%	0 0.00%	0 0.00%	244 94.57%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	59	0.00%	258	19,687	1.31%

STATE REPRESENTATIVE - DISTRICT 10, Vote For 1 Republican

REP	William H. Eckert	12 100.00%	2 100.00%	0 0.00%	14 100.00%
	Cast Votes:	12 4.69%	2 100.00%	0 0.00%	14 5.43%
	Over Votes:	0 0.00%	0 0.00%	0 0.00%	0 0.00%
	Under Votes:	244 95.31%	0 0.00%	0 0.00%	244 94.57%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	59	0.00%	258	5,532	4.66%

STATE REPRESENTATIVE - DISTRICT 10, Vote For 1 American Constitution

	No Candidate for Race	0 0.00%	0 0.00%	0 0.00%	0 0.00%
	Cast Votes:	0 0.00%	0 0.00%	0 0.00%	0 0.00%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	59	0.00%	250	24	1,041.67%

STATE REPRESENTATIVE - DISTRICT 11, Vote For 1 Democratic

DEM	Jonathan Singer	38 100.00%	8 100.00%	0 0.00%	46 100.00%
	Cast Votes:	38 13.19%	8 100.00%	0 0.00%	46 15.54%
	Over Votes:	0 0.00%	0 0.00%	0 0.00%	0 0.00%
	Under Votes:	250 86.81%	0 0.00%	0 0.00%	250 84.46%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	57	0.00%	296	11,331	2.61%

2012 Primary Election LAT - Mail-In — Official
Boulder County, Colorado — 2012 Boulder County Primary Election — June 26, 2012

Total Number of Voters : 3,454 of 92,540 = 3.73%

Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee	Early	Election	Total
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STATE REPRESENTATIVE - DISTRICT 11, Vote For 1 Republican

REP	Ellyn Hilliard	37	100.00%	7	100.00%	0	0.00%	44	100.00%
Cast Votes:		37	12.85%	7	87.50%	0	0.00%	44	14.86%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		251	87.15%	1	12.50%	0	0.00%	252	85.14%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	57	0.00%	296	9,889	2.99%

STATE REPRESENTATIVE - DISTRICT 11, Vote For 1 American Constitution

No Candidate for Race		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Cast Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	57	0.00%	270	54	500.00%

STATE REPRESENTATIVE - DISTRICT 12, Vote For 1 Democratic

DEM	Mike Foote	33	64.71%	3	50.00%	0	0.00%	36	63.16%
DEM	Angie Layton	18	35.29%	3	50.00%	0	0.00%	21	36.84%
Cast Votes:		51	18.21%	6	100.00%	0	0.00%	57	19.93%
Over Votes:		15	5.36%	0	0.00%	0	0.00%	15	5.24%
Under Votes:		214	76.43%	0	0.00%	0	0.00%	214	74.83%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	55	0.00%	286	15,085	1.90%

STATE REPRESENTATIVE - DISTRICT 12, Vote For 1 Republican

REP	Russ Lyman	34	100.00%	4	100.00%	0	0.00%	38	100.00%
Cast Votes:		34	12.14%	4	80.00%	0	0.00%	38	13.33%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		246	87.86%	1	20.00%	0	0.00%	247	86.67%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	55	0.00%	285	9,941	2.87%

2012 Primary Election LAT - Mail-In — Official
Boulder County, Colorado — 2012 Boulder County Primary Election — June 26, 2012

Total Number of Voters : 3,454 of 92,540 = 3.73%

Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee	Early	Election	Total
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STATE REPRESENTATIVE - DISTRICT 33, Vote For 1 Democratic

DEM	Dianne Primavera	24	100.00%	4	100.00%	0	0.00%	28	100.00%
Cast Votes:		24	25.00%	4	100.00%	0	0.00%	28	28.00%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		72	75.00%	0	0.00%	0	0.00%	72	72.00%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	14	0.00%	100	2,850	3.51%

STATE REPRESENTATIVE - DISTRICT 33, Vote For 1 Republican

REP	David J. Pigott	25	100.00%	5	100.00%	0	0.00%	30	100.00%
Cast Votes:		25	26.32%	5	100.00%	0	0.00%	30	30.00%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		70	73.68%	0	0.00%	0	0.00%	70	70.00%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	14	0.00%	100	2,284	4.38%

STATE REPRESENTATIVE - DISTRICT 33, Vote For 1 American Constitution

No Candidate for Race	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Cast Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%

Precincts			Voters		
Counted	Total	Percent	Ballots	Registered	Percent
0	14	0.00%	87	1	8,700.00%

DISTRICT ATTORNEY- 20TH JUDICIAL DISTRICT, Vote For 1 Democratic

DEM	Stan Garnett	134	100.00%	24	100.00%	0	0.00%	158	100.00%
Cast Votes:		134	11.59%	24	96.00%	0	0.00%	158	13.38%
Over Votes:		0	0.00%	0	0.00%	0	0.00%	0	0.00%
Under Votes:		1,022	88.41%	1	4.00%	0	0.00%	1,023	86.62%

DISTRICT ATTORNEY- 20TH JUDICIAL DISTRICT, Vote For 1 Republican

No Candidate for Race	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Cast Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%

2012 Primary Election LAT - Mail-In — Official
Boulder County, Colorado — 2012 Boulder County Primary Election — June 26, 2012

Total Number of Voters : 3,454 of 92,540 = 3.73%

Precincts Reporting 0 of 234 = 0.00%

Party	Candidate	Absentee		Early		Election		Total	
DISTRICT ATTORNEY- 20TH JUDICIAL DISTRICT, Vote For 1 American Constitution									
	No Candidate for Race	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Cast Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%
COUNTY COMMISSIONER - DISTRICT 1, Vote For 1 Democratic									
DEM	Garry Sanfaçon	135	71.05%	25	100.00%	0	0.00%	160	74.42%
DEM	Elise Jones	55	28.95%	0	0.00%	0	0.00%	55	25.58%
	Cast Votes:	190	16.44%	25	100.00%	0	0.00%	215	18.20%
	Over Votes:	55	4.76%	0	0.00%	0	0.00%	55	4.66%
	Under Votes:	911	78.81%	0	0.00%	0	0.00%	911	77.14%
COUNTY COMMISSIONER - DISTRICT 1, Vote For 1 Republican									
	No Candidate for Race	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Cast Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%
COUNTY COMMISSIONER - DISTRICT 1, Vote For 1 American Constitution									
	No Candidate for Race	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Cast Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%
COUNTY COMMISSIONER - DISTRICT 2, Vote For 1 Democratic									
DEM	Deb Gardner	134	100.00%	24	100.00%	0	0.00%	158	100.00%
	Cast Votes:	134	11.59%	24	96.00%	0	0.00%	158	13.38%
	Over Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Under Votes:	1,022	88.41%	1	4.00%	0	0.00%	1,023	86.62%
COUNTY COMMISSIONER - DISTRICT 2, Vote For 1 Republican									
REP	Maureen A. Denig	132	100.00%	22	100.00%	0	0.00%	154	100.00%
	Cast Votes:	132	11.43%	22	88.00%	0	0.00%	154	13.05%
	Over Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Under Votes:	1,023	88.57%	3	12.00%	0	0.00%	1,026	86.95%
COUNTY COMMISSIONER - DISTRICT 2, Vote For 1 American Constitution									
	No Candidate for Race	0	0.00%	0	0.00%	0	0.00%	0	0.00%
	Cast Votes:	0	0.00%	0	0.00%	0	0.00%	0	0.00%

2012 Primary Election Logic Accuracy Test:
Cumulative Results Comparison

All Ballots
May 24, 2012

Party	Contests	Cumulative DEM MVW	Cumulative REP MVW	Cumulative ACN MVW	* Combined County MVW	Blank Ballots (2,589)	MVW Total	Machine Total	Difference Column
DEM	REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 2								
DEM	Jared Polis	34	0	0	80		114	114	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	120	647	767	767	0
REP	REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 2								
REP	Kevin Lundberg	0	12	0	80		92	92	0
REP	Eric Weissmann	0	22	0	40		62	62	0
REP	Overvote	0	0	0	40		40	40	0
REP	Undervote	0	2	0	40	645	687	687	0
ACN	REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 2								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 4								
DEM	Brandon Shaffer	16	0	0	30		46	46	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	45	209	254	254	0
REP	REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 4								
REP	Cory Gardner	0	12	0	30		42	42	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	2	0	45	210	257	257	0
ACN	REPRESENTATIVE TO THE 113TH UNITED STATES CONGRESS - DISTRICT 4								
ACN	Doug Aden	0	0	12	30		42	42	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	15	217	232	232	0
DEM	STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 2								
DEM	Angelika Schroeder	34	0	0	80		114	114	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	120	647	767	767	0
REP	STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 2								
REP	Ann Fattor	0	32	0	80		112	112	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	4	0	120	645	769	769	0

2012 Primary Election Logic Accuracy Test:
Cumulative Results Comparison

All Ballots
May 24, 2012

Party	Contests	Cumulative DEM MVW	Cumulative REP MVW	Cumulative ACN MVW	* Combined County MVW	Blank Ballots (2,589)	MVW Total	Machine Total	Difference Column
ACN	STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 2								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 4								
DEM	No Candidate Filed	0	0	0	0		0	0	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	0	0	0	0	0
REP	STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 4								
REP	Pamela P. Mazanec	0	12	0	30		42	42	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	2	0	45	210	257	257	0
ACN	STATE BOARD OF EDUCATION - CONGRESSIONAL DISTRICT 4								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	REGENT OF THE UNIVERSITY OF COLORADO - AT LARGE								
DEM	Stephen C. Ludwig	46	0	0	110		156	156	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	4	0	0	165	856	1025	1025	0
REP	REGENT OF THE UNIVERSITY OF COLORADO - AT LARGE								
REP	Matt Arnold	0	24	0	110		134	134	0
REP	Brian Davidson	0	18	0	55		73	73	0
REP	Overvote	0	2	0	55		57	57	0
REP	Undervote	0	6	0	55	855	916	916	0
ACN	REGENT OF THE UNIVERSITY OF COLORADO - AT LARGE								
ACN	Brian X. Scott	0	0	50	110		160	160	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	55	878	933	933	0
DEM	STATE SENATE - DISTRICT 17								
DEM	Matt Jones	22	0	0	40		62	62	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	60	345	405	405	0

2012 Primary Election Logic Accuracy Test:
Cumulative Results Comparison

All Ballots
May 24, 2012

Party	Contests	Cumulative DEM MVW	Cumulative REP MVW	Cumulative ACN MVW	* Combined County MVW	Blank Ballots (2,589)	MVW Total	Machine Total	Difference Column
REP	STATE SENATE - DISTRICT 17								
REP	Charlie Plaginos	0	14	0	40		54	54	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	6	0	60	345	411	411	0
ACN	STATE SENATE - DISTRICT 17								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	STATE SENATE - DISTRICT 18								
DEM	Rollie Heath	22	0	0	50		72	72	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	75	480	555	555	0
REP	STATE SENATE - DISTRICT 18								
REP	Barry P. Thoma	0	18	0	50		68	68	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	4	0	75	480	559	559	0
ACN	STATE SENATE - DISTRICT 18								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	STATE REPRESENTATIVE - DISTRICT 10								
DEM	Dickey Lee Hullinghorst	4	0	0	10		14	14	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	15	229	244	244	0
REP	STATE REPRESENTATIVE - DISTRICT 10								
REP	William H. Eckert	0	4	0	10		14	14	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	0	0	15	229	244	244	0
ACN	STATE REPRESENTATIVE - DISTRICT 10								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0

2012 Primary Election Logic Accuracy Test:
Cumulative Results Comparison

All Ballots
May 24, 2012

Party	Contests	Cumulative DEM MVW	Cumulative REP MVW	Cumulative ACN MVW	* Combined County MVW	Blank Ballots (2,589)	MVW Total	Machine Total	Difference Column
DEM	STATE REPRESENTATIVE - DISTRICT 11								
DEM	Jonathan Singer	16	0	0	30		46	46	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	45	205	250	250	0
REP	STATE REPRESENTATIVE - DISTRICT 11								
REP	Ellyn Hilliard	0	14	0	30		44	44	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	2	0	45	205	252	252	0
ACN	STATE REPRESENTATIVE - DISTRICT 11								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	STATE REPRESENTATIVE - DISTRICT 12								
DEM	Mike Foote	6	0	0	30		36	36	0
DEM	Angie Layton	6	0	0	15		21	21	0
DEM	Overvote	0	0	0	15		15	15	0
DEM	Undervote	0	0	0	15	199	214	214	0
REP	STATE REPRESENTATIVE - DISTRICT 12								
REP	Russ Lyman	0	8	0	30		38	38	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	2	0	45	200	247	247	0
ACN	STATE REPRESENTATIVE - DISTRICT 12								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	STATE REPRESENTATIVE - DISTRICT 13								
DEM	Claire Levy	10	0	0	20		30	30	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	30	181	211	211	0
REP	STATE REPRESENTATIVE - DISTRICT 13								
REP	Adam Ochs	0	8	0	20		28	28	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	2	0	30	181	213	213	0

2012 Primary Election Logic Accuracy Test:
Cumulative Results Comparison

All Ballots
May 24, 2012

Party	Contests	Cumulative DEM MVW	Cumulative REP MVW	Cumulative ACN MVW	* Combined County MVW	Blank Ballots (2,589)	MVW Total	Machine Total	Difference Column
ACN	STATE REPRESENTATIVE - DISTRICT 13								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	STATE REPRESENTATIVE - DISTRICT 33								
DEM	Dianne Primavera	8	0	0	20		28	28	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	0	0	0	30	42	72	72	0
REP	STATE REPRESENTATIVE - DISTRICT 33								
REP	David J. Pigott	0	10	0	20		30	30	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	0	0	30	40	70	70	0
ACN	STATE REPRESENTATIVE - DISTRICT 33								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	DISTRICT ATTORNEY- 20TH JUDICIAL DISTRICT								
DEM	Stan Garnett	48	0	0	110		158	158	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	2	0	0	165	856	1023	1023	0
REP	DISTRICT ATTORNEY- 20TH JUDICIAL DISTRICT								
REP	No Candidate Filed	0	0	0	0		0	0	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	0	0	0	0	0	0	0
ACN	DISTRICT ATTORNEY- 20TH JUDICIAL DISTRICT								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	COUNTY COMMISSIONER - DISTRICT 1								
DEM	Garry Sanfaçon	50	0	0	110		160	160	0
DEM	Elise Jones	0	0	0	55		55	55	0
DEM	Overvote	0	0	0	55		55	55	0
DEM	Undervote	0	0	0	55	856	911	911	0

2012 Primary Election Logic Accuracy Test:
Cumulative Results Comparison

All Ballots
May 24, 2012

Party	Contests	Cumulative DEM MVW	Cumulative REP MVW	Cumulative ACN MVW	*Combined County MVW	Blank Ballots (2,589)	MVW Total	Machine Total	Difference Column
REP	COUNTY COMMISSIONER - DISTRICT 1								
REP	No Candidate Filed	0	0	0	0		0	0	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	0	0	0	0	0	0	0
ACN	COUNTY COMMISSIONER - DISTRICT 1								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
DEM	COUNTY COMMISSIONER - DISTRICT 2								
DEM	Deb Gardner	48	0	0	110		158	158	0
DEM	Overvote	0	0	0	0		0	0	0
DEM	Undervote	2	0	0	165	856	1023	1023	0
REP	COUNTY COMMISSIONER - DISTRICT 2								
REP	Maureen A. Denig	0	44	0	110		154	154	0
REP	Overvote	0	0	0	0		0	0	0
REP	Undervote	0	6	0	165	855	1026	1026	0
ACN	COUNTY COMMISSIONER - DISTRICT 2								
ACN	No Candidate Filed	0	0	0	0		0	0	0
ACN	Overvote	0	0	0	0		0	0	0
ACN	Undervote	0	0	0	0	0	0	0	0
Grand Total									

Total Ballots Counted: 3,454 (75 DRE & 3,379 scanned ballots)

*County test deck used to verify remaining scanning stations not selected by Testing Board