Logic and Accuracy Test Information Packet 2016 Primary Election



Boulder County Clerk & Recorder Elections Division

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AGENDA LOGIC AND ACCURACY TEST (LAT) June 1 - 3, 2016

Planned Schedule:

Please check in early at Elections Office front desk to obtain badge

➤ Wednesday, June 1st
 ➤ Thursday, June 2nd
 ➤ Friday, June 3rd
 9:30am - 4:30pm
 9:30am - 4:30pm
 1:00pm - 3:00pm

- Storage of personal items (east wing lockers)
 - The following items are prohibited in the testing area:
 Personal belongings, cell phones, cameras, recording devices, memory devices, laptops,
 PDAs, food or beverages
- 2. Welcome
 - Sign-In and complete name tags with affiliations
 - Review and sign oaths
 - Obtain Information Packet
 - Introduction and Overview
 - Testing Board selection
 - Device selection
- Information packet contents
 - Agenda
 - Guidelines for Observers
 - Requirements of the LAT
 - Test Board Procedures
 - Sample Manual Verification Worksheet (MVW)
 - Statute and Rule references
- 4. Ballot marking and tally
 - One (1) packet of 25 ballots provided to each test board member
 - Vote the test ballots
 - Use Manual Verification Worksheet to create a team tally (2 person process)
- 5. Scanner Test (Mail and In-Person paper voting)
 - Inspect ballots for damage or improper markings
 - Process ballots on scanner
 - Resolve applicable ballots in Ballot Now
 - Write Cast Vote Records (CVRs) to a Mobile Ballot Box (MBB)
 - Tabulate MBB and verify results against team tally
 - Complete device qualification form for selected scanner

Boulder County

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- 6. Direct Record Electronic (DRE) Test (Accessible voting)
 - Cast test ballots on DRE
 - Write Cast Vote Records (CVRs) to Mobile Ballot Box (MBB)
 - Complete device qualification form for selected eSlate, Audio, and VBO
 - Tabulate MBB and verify results against team tally
 - Complete device qualification form for selected JBC
- 7. Prepare Testing Results (optional attendance)
 - Tabulate all MBBs to create cumulative results for the LAT
 - Create cumulative result comparisons
 - Collect, organize and complete test documentation
- 8. Resetting and sealing of equipment
 - Scanners reset
 - DRE equipment reset and sealed
 - Tally reset
- 9. Completion of testing
 - Review test information and results
 - Complete device qualification form for Tally
 - Complete Statement of Qualification
- 10. Secure storage of all LAT material and ballots



GUIDELINES FOR OBSERVERS AT THE LOGIC AND ACCURACY TEST

- The following items are prohibited in the testing area:
 Personal belongings, cell phones, cameras, recording devices, memory devices, laptops, PDAs, food or beverages are prohibited in testing area.
- 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 because of space limitations. (Rule 11.3.2(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. (CRS 1-7-509(2)(b))
- 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. (CRS 1-7-509(2)(b))
- The absence of observers or designees shall not delay or stop the public test. (CRS 1-7-509(2)(b))
- The election official will set up a table which contains name tags and a sign-in sheet (everyone
 participating in or observing the test must wear a name tag and must sign-in). A copy of the LAT
 Information Packet and a copy of the Secretary of State Rules concerning the conducting of the LAT will
 be available for watchers and observers.
- The Logic & Accuracy Testing will take substantially all of the Elections staff time and resources today.
 Therefore, any questions should be directed to Justine Vigil-Tapia, Elections Coordinator or her
 designee. At the conclusion of today's testing a representative of the Clerk's testing staff will be
 available for questions.



Requirements of the LAT

Preparation:

- ✓ The county test deck has been prepared and includes every ballot style and precinct in the election
- ✓ The county test deck includes a mark for every voting position for every contest including write-in candidates, includes situations where a voter may choose two or more options, and includes overvotes and undervotes for each contest
- ✓ Testing board is comprised of one registered elector from each major political party
- ✓ Test board members are registered in Boulder County
- ✓ 25 test ballots have been provided to each test board member
- ✓ All ballots were marked "TEST"
- ✓ Test ballots are marked following the instructions printed on the ballots
- ✓ Test board members have retained a record of their tally (Manual Verification Worksheet)
- ✓ Test board members have randomly selected the machines to test
- ✓ Each type of voting device and each type of ballot is represented in testing

Scanner Test (Mail and In-Person paper voting):

Test Board Members completed the following:

- ✓ Verified the zero report that shows the public counter is reset to zero
- ✓ Observed the separate processing of test ballots on the scan station
- ✓ Reviewed reports generated and verified counts

DRE Test (Accessible voting):

Test board members completed the following:

- ✓ Verified the zero report that shows the public counter is reset to zero
- ✓ Separately cast member's test board ballots on DRE
- ✓ Tested at least one ballot using audio ballot playback and accessible input devices
- ✓ Verified the eSlate and V-VPAT against each test ballot prior to casting the ballot
- ✓ Verified counts on JBC Summary Report from suspending polls

Tabulation:

Test board members witnessed the following:

- ✓ Tabulation counts set to zero
- ✓ Tabulation zero report
- ✓ Tabulation of MBBs from electronic and paper ballot testing
- ✓ Result reports produced for comparison to test board tallies (Manual Verification Worksheet)

Comparison:

- ✓ The tabulation results were compared with individual tallies
- ✓ Test board members have verified that tabulation results match individual tallies (Manual Verification Worksheet)



Storage of test material:

- ✓ Test materials were contained in the testing area and secured in a sealed metal cage when not in use
- ✓ Each Test Board Member verified the seals and initialed the chain-of-custody log
- ✓ If records were opened for inspection, at least two election officials verified the newly attached seals and initialed the chain-of-custody log

Resetting and sealing of equipment:

- ✓ Members witnessed the county reset and seal each tested voting device after the completion of testing
- ✓ Members documented the seal number attached to the device at the end of the test for inclusion in the statement of qualification

Statement of Qualification:

- ✓ Members and Clerk have signed a written statement attesting to the qualification of each device successfully tested
- ✓ The statement includes the seal information at the end of testing, any problems discovered, and other documentation necessary to providing a full and accurate account of the condition of a given device



Logic and Accuracy Test (LAT) Test Board Procedures

Common acronyms:

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

Purpose of LAT (CRS 1-7-509 and Rule 11)

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. V-VPAT becomes official DRE vote record.

Test Board member responsibilities

- As a member of the Test Board, you will be participating and/or witnessing the LAT from beginning to end, ensuring all requirements are met.
- No process shall be delayed due to the absence of a test board member.



Marking your ballots:

The county provides a packet of test ballots to each test board member, for use in testing. The packet includes 25 unique precinct district style ballots, as possible. This is in addition to the ballots prepared to fulfill the county test deck requirements.

- 1. Confirm the appropriate number of ballots is included, and that they are all labeled "TEST".
- 2. When two representatives are sent to participate in the LAT, separate the ballots in half so both participants can mark ballots.
- 3. Mark your ballots following the instructions printed on the ballots and retain a record of the tally.
 - Use black or blue pen and fill in the box completely; no X or V.
- 4. Correcting a mistakes:

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

- Follow the voter instructions for correcting a mistake.
 - CHOICE A (Fill in the box of your choice.)
 - OHOICE B (Draw a line through the choice you do not want.)
- If a mistake (wrong choice, stray mark, hesitant mark) is made in a contest that you did not intend to vote, make a written note in the contest area to clarify your voting intent and/or request a replacement ballot from staff.
- 5. Overvotes on DRE:
 - Test ballots are used for the electronic portion of voting, which does not allow for overvotes. They will therefore be recorded as undervotes on the DRE.
- 6. Write-Ins (Rule 18.6.4 and C.R.S 1-7-114):
 - Write-in A list of write-in candidates are available from staff when applicable
 Target areas must be filled in and the last name of the certified candidate must be
 - included to be counted.
- Uncertified candidate names will be counted as an undervote if no other choice is marked.
 7. When finished with marking ballots, collect and confirm all test ballots are accounted for and alert
- When finished with marking ballots, collect and confirm all test ballots are accounted for and aler staff that you are ready to create your tally.



Creating your tally (2 person process):

The county will pair up each member with another individual and provide you with a manual verification worksheet (MVW). They will also assign you a team number.

Test board members are then provided two sets of MVWs. Set 1 will include columns to capture votes for ballots 1 through 12, totals for Set 1, totals for Set 2, and Grand Total (tally) for each contest option. Set 2 will include columns to capture votes for ballots 13 through 25, and totals for Set 2.

For each set of ballots, use the following procedure to create a tally for your test ballots:

- 1. Print both names on the first page of your MVW and record your team number on all pages.
- 2. Organize, count and label your ballots, recording the ballot number in the top right hand corner of the ballot (i.e. #1, #2, #3) as you count. Confirm you have the appropriate number of ballots.
- 3. Starting with ballot #1, Person A reads aloud the ballot number recorded in the top right corner while Person B verifies this on the MVW.
- 4. Person A reads aloud each contest name and contest selection made, indicating any voting marks that are outside the prescribed voting method.
- 5. Person B will record the selections read aloud by Person A on the manual verification worksheet by making a slash mark for the appropriate contest option read, and will make notation of any abnormal markings as indicated.
 - 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.
- 6. When all ballots have been recorded, team members trade roles to verify the accuracy of the MVW, noting and resolving any discrepancies found.
- 7. For each MVW set, the team then adds up the selections for each contest option and records this number in the applicable Total field. Please validate each other's counts.
- 8. Set 2 Totals are then transferred to sheet 1, and the team adds the totals from Set 1 and Set 2 to create the Grand Total (team tally). Calculators are provided.
- 9. Both members will initial the first page of the MVW 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 by support staff, initialed by the team members, and then entered into the electronic cumulative manual verification spreadsheet.



Scanner Test (Mail and In-Person paper 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 referred to as Cast Vote Records (CVRs). The station also records CVRs to a memory card called a Mobile Ballot Box (MBB), so that the results can be aggregated and tabulated from multiple voting devices.

This test ensures 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. The scanning station also provides for the resolution of voter intent as prescribed by the Colorado Secretary of State. Ballots that have been over voted and properly corrected will be flagged and resolved per state guidelines.

- 1. A "zero" report is provided to the testing board for verification that the Ballot Now system has been reset and the public counter is at zero.
- 2. The ballots are reviewed 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 ballot reader. (Rule 1.1.12)
 - o 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.).
 - o Damaged ballots may include ballots that are marked in a medium other than the medium indicated in the ballot instructions.
 - 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.
- 3. Ballots are then processed on the scanner and votes captured via Ballot Now.
 - Ballots are scanned in and saved, to capture and process ballot images.
 - Scan batch report is produced for count validation by the team.
 - Applicable ballots are resolved for voter intent following state rule and guidelines.
 - After resolution is complete, the voter choices (CVRs) are recorded to an MBB for tabulation.



Scanner results tabulated and verified:

The Tally station reads voting device memory cards (MBBs) containing voter ballot choices (cast vote records), and then tabulates those vote records to produce combined election results. This process confirms that votes are accurately counted and tabulated by the scanner and tabulation system.

- 1. An election is created for individual tabulation of the team's ballots.
- 2. A "zero" report is provided to the testing board for verification that the system has been reset and the public counter is at zero.
- 3. MBB is tabulated, and a results report is generated for the team.
- 4. The team is also provided a device qualification form to complete after tabulation.
- 5. The team compares the results report to their team tally (MVW) to confirm that the system has accurately captured their votes.
- 6. When the team concludes the counts to be accurate, both team members print his or her name on the results report, attesting to the accuracy of the count and machine.
 - They also complete the device qualification form, attesting to the successful completion of testing for the scanner device.

Discrepancy resolution (in order of escalation):

- 1. 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)
- 2. 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
- 3. 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
- 4. If error is identified as a software or ballot programming error
 - Alert LAT DEO for correction
 - Correct software or ballot programming error and restart testing from beginning



Direct Record Electronic (DRE) Test (Accessible voting on DAUs):

Disabled Access Unit (DAU) 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 playback feature with headphones, and can accept adaptive devices for voters with mobility impairments. The LAT includes the testing of DAUs functionality and accuracy, requiring each test board member to cast at least one ballot using the audio playback feature and accessible input devices.

Each Testing Board member will separately cast his or her ballots on the selected device, and examine the tabulation tape or report, verifying that the DRE tabulated the ballots and votes cast in the same manner that the Testing Board member manually marked his or her test ballots. (11.3.2 (4)(b)(iv))

For ballots containing an OVERVOTE, team may confirm that no OVERVOTE is possible, but then change the contest to an UNDERVOTE for reconciliation purposes.

- 1. A "zero" report is provided to the testing board for verification that the device has been reset and the public counter is at zero.
- 2. Organize ballots so they are in the same order as the tally (MVW). This helps members expediently resolve any discrepancies in reconciliation, if necessary.
- 3. Working with partner, members then cast all their test ballots on the device.
- 4. The first ballot on each eSlate is cast using audio and accessible input devices.
 - Turn up sound on headset so audio can be heard by both participants.
 - Use accessible input devices (paddles) to make ballot selections.
- 5. Participants then verify at least one ballot visually and audibly, in order to verify accurate association of titles and content.

NOTE: DRE contest titles may be different than the paper ballot titles due to V-VPAT character limitations. Except for ballot instructions, the audio for the DRE ballot will be consistent to the paper ballot content.

- Person A
 - o Compares audio against paper ballot being voted.
 - o Makes the selection on DRE that matches the paper ballot selection.
- Person B
 - Compares audio against eSlate ballot being voted.
 - o Verifies that the eSlate selection made matches the paper ballot selection.
- 6. Before casting the ballot, the team must verify that V-VPAT voting summary matches the paper ballot selections and MVW.
- 7. Team initials the paper ballot after the V-VPAT has been verified and cast, attesting to its match with the paper ballot selections.
- 8. When all ballots are cast, the team completes a device qualification form for their selected device, demonstrating the completed testing of the eSlate, Audio, and VBO.
- 9. When all voting is complete for the selected JBC, the staff will:
 - Generate the JBC summary report from suspending polls, and present it to the test board members for verification.
 - Record CVRs to MBB for each set of test ballots.
 - Remove and label the MBB for tabulation.
 - o Team number, DRE unit number, and number of CVRs on the MBB



DRE results tabulated and verified:

The Tally station reads voting device memory cards (MBBs) containing voter ballot choices (cast vote records), and then tabulates those vote records to produce combined election results. This process confirms that votes are accurately counted and tabulated by the DRE and tabulation system.

- 1. An election is created for individual tabulation of the team's ballots.
- 2. A "zero" report is provided to the testing board for verification that the system has been reset and the public counter is at zero.
- 3. MBB is tabulated, and a results report is generated for the team.
- 4. The team is also provided a device qualification form to complete after tabulation.
- 5. The team compares the results report to their team tally (MVW) to confirm that the system has accurately captured their votes.
 - NOTE: Overvotes are counted as undervotes for the purpose of comparing DRE votes to the paper tally.
- 6. When the team concludes the counts to be accurate, both team members print his or her name on the results report, attesting to the accuracy of the count and machine.
 - They also complete the device qualification form, attesting to the successful completion of testing for the selected JBC and DRE unit.

Discrepancy resolution (in order of escalation):

- 1. 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)
- 2. 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
- 3. 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
- 4. If error is identified as a software or ballot programming error
 - Alert LAT DEO for correction
 - Correct software or ballot programming error and restart testing from beginning



County Test Deck on scanners:

The county is required to prepare a test deck test deck of ballots that includes every ballot style and, where applicable, precinct. The county test deck must include a sufficient number of ballots to mark every vote position for every contest including write-in candidates, allow for situations where a contest permits an elector to vote for two or more positions, and include overvotes and undervotes for each contest. (Rule 11.3.2 (c)(1))

In addition to the packets provided to the testing board, the county has prepared a deck and tally (MVW) that meets the above requirement.

As is required for the test board member ballots, the county ballots are counted on one or more scanners, and then tabulated for comparison to the county tally (MVW). The test board will oversee this process, and verify the results for accuracy and completeness.

Prepare results (optional attendance):

When all individual results have been verified, the county will create a result report and comparison summary, that includes all tested ballots and devices. This will include cumulative tabulation result reports, manual verification worksheets, and comparison results. The reports will be reviewed with the testing board at the end of the LAT.

- 1. An election is created for the tabulation of all testing MBBs.
- 2. The "zero" report is generated and verified to show the system has been reset and the public counter is at zero.
- 3. All MBBs from testing are read and tabulated.
- 4. Result reports are generated for comparison.
- 5. Cumulative tally and result comparison summaries are created and checked for error.
- 6. Testing documentation is collected, organized.
- 7. Statement of Qualification document is drafted.



Resetting and sealing of voting devices:

After testing, the Testing Board must watch the county reset and seal each voting device, as applicable. As part of the Statement of Qualification, the testing board and Clerk must attest to the seal number attached to the voting device at the end of testing. (11.3.2 (e)(3) and 11.3.2 (e)(4))

- 1. Testing board witnesses the resetting of scan stations, verifying no elections are available on the system at the end of testing.
- 2. Testing board witnesses the resetting and sealing of the DRE equipment, verifying the seals number attached to each device.
- 3. Testing board witness the resetting of the tabulation system, verifying no elections are available on the system at the end of testing.

Completion of testing:

After the devices are reset and sealed, the results of all testing is reviewed with the Clerk and testing board, along with testing documentation. The Testing Board and the county clerk must then sign a written statement attesting to the qualification of each device successfully tested, the number of the seal attached to the voting device at the end of the test, any problems discovered, and any other documentation necessary to provide a full and accurate account of the condition of a given device. (11.3.2 (e)(4))

- 1. Test information and results are reviewed with the Clerk and testing board.
- 2. Cumulative results are verified by the testing board.
- 3. Testing board completes the device qualification form for Tally.
- 4. Testing board and Clerk completes the Statement of Qualification.

Secure storage of test materials:

The county must keep all test materials, when not in use, in a durable, secure box. Each member of the Testing Board must verify the seals and initial the chain-of-custody log maintained by the county clerk. If the records are opened for inspection, at least two election officials must verify the seals and initial the chain-of-custody log. (11.3.2 (e)(1))

2016 Primary Election Logic Accuracy Test: Manual Verification Worksheet

Team #: 1 Charlie Mouse
Member Names (Print): Nancy Horse

Charlie Mouse

Test Board Member #1 (Republican)

- Test board Member #1 (Nepublicari)															
	н	2	က	4	2	9	7	∞	6	Ballot 10	Ballot 11	12			Grand
	Ballot 1	ot	Ballot 3	<u>ot</u>	<u>ot</u>	<u>ot</u>	<u>ot</u>	<u>ot</u>	<u>ot</u>	lot	lot	Ballot 12	Set 1	Set 2	Total
Contests	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Bal	Ba	Ba	Ba	Total	Total	(tally)
United States Senator - REP															
Darryl Glenn	1	1	1	1	1	1	1	1	1	1	1	1	3	1	4
Ryan L. Frazier	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Robert Blaha	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
Jack Graham	1	1	1	1	1	1	1	1	1	1	\times	1	1	0	1
Jon Keyser	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
Jerry Eller (W)	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Overvote	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
Undervote	1	X	1	X	1	1	1	1	1	1	1	1	6	10	16
District 2 - Rep 115th US Congress - REP															
Nicholas Morse	1	1	1	1	1	1	1	1	1	1	1	1			
Overvote															0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1			
District 4 - Rep 115th US Congress - REP									4						
Ken Buck	1	1	1	1	1	1	1	7	1		1	1			
Overvote									$\overline{}$						0
Undervote	1	1	1	1	1	1	1	1			1	1			
At Large - Regent of CU - REP			•			K									
Heidi Ganahl	1	1	1	1	1			1		1	1	1			
Overvote								Ť							0
Undervote	1	1	1	1			1	1	1	1	1	1			
CD 4 - Regent of CU - REP															
Suzanne M. Sharkey	1	1	1				1	1	1	1	1	1			
Overvote		7													0
Undervote	1	1			1	1	1	1	1	1	1	1			
State Senator - District 17 - REP															
No Candidate for Race															0
State Senator - District 18 - REP		Ť													
M. Peter Spraitz	1	1	1	1	1	1	1	1	1	1	1	1			
Overvote	7														0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1			
State Representative - District 10 - REP															
No Candidate for Race	\top														
State Representative - District 11 - REP															
Corey Piper	1	1	1	1	1	1	1	1	1	1	1	1			
Overvote	\top														0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1			
State Representative - District 12 - REP															
Bob Dillon	1	1	1	1	1	1	1	1	1	1	1	1			
Overvote	\top														0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1			
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2016 Primary Election Logic Accuracy Test: Manual Verification Worksheet

Test Board Member #1 (Republican)

rest board Member #1 (Republican)														
	13	Ballot 14	Ballot 15	Ballot 16	Ballot 17	Ballot 18	Ballot 19	Ballot 20	Ballot 21	Ballot 22	Ballot 23	Ballot 24	25	
	Ballot 13	<u>ot</u>	<u>e</u>	<u>ot</u>	<u> o</u>	<u> o</u>	<u> ot</u>	<u>e</u>	<u>e</u>	<u> </u>	<u>e</u>	<u>e</u>	Ballot 25	Set 2
Contests	Ba	Ba	Ba	Ba	Ba	Ba	Ba	Total						
United States Senator - REP	<u> </u>													- 1
Darryl Glenn	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ryan L. Frazier	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Robert Blaha	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Jack Graham	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Jon Keyser	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Jerry Eller (W)	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Overvote	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Undervote	1	1	1	1	1	1	1	1	1	1	1	1	1	10
District 2 - Rep 115th US Congress - REP														
Nicholas Morse	1	1	1	1	1	1	1	1	1	1	1	1	1	
Overvote														0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1	1	
District 4 - Rep 115th US Congress - REP														
Ken Buck	1	1	1	1	1	1	1	7	1	1	1	1	1	
Overvote									$\overline{}$					0
Undervote	1	1	1	1	1	1	1	1			1	1	1	
At Large - Regent of CU - REP						K								
Heidi Ganahl	1	1	1	1	1			1		1	1	1	1	
Overvote														0
Undervote	1	1	1	1			1	1	1	1	1	1	1	
CD 4 - Regent of CU - REP			K											
Suzanne M. Sharkey	1	1	1				1	1	1	1	1	1	1	
Overvote		1												0
Undervote	_1	1	1		1	1	1	1	1	1	1	1	1	
State Senator - District 17 - REP														
No Candidate for Race				-										0
State Senator - District 18 - REP		Ÿ												
M. Peter Spraitz	1	1	1	1	1	1	1	1	1	1	1	1	1	
Overvote														0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1	1	
State Representative - District 10 - REP														
No Candidate for Race														0
State Representative - District 11 - REP														
Corey Piper	1	1	1	1	1	1	1	1	1	1	1	1	1	
Overvote	\top													0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1	1	
State Representative - District 12 - REP														
Bob Dillon	1	1	1	1	1	1	1	1	1	1	1	1	1	
Overvote	+-												_	0
Undervote	1	1	1	1	1	1	1	1	1	1	1	1	1	

Colorado Revised Statutes

- **1-7-509.** Electronic and electromechanical vote counting testing of equipment required definition. (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, provisional, and audio ballots, shall be tested in accordance with rules promulgated by the secretary of state. The tests must 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.
- (III) Repealed.
- (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. **L. 2012:** (1)(c)(III) added, (HB 12-1292), ch. 181, p. 686, § 31, effective May 17. **L. 2013:** (1)(b) amended, (HB 13-1303), ch. 185, p. 723, § 76, effective May 10.

Editor's note: Subsection (1)(c)(III)(B) provided for the repeal of subsection (1)(c)(III), effective January 1, 2015. (See L. 2012, p. 686.)

Cross references: In 2013, subsection (1)(b) was amended by the "Voter Access and Modernized Elections Act". For the short title and the legislative declaration, see sections 1 and 2 of chapter 185, Session Laws of Colorado 2013.

Colorado Revised Statutes

- **1-7-114. Write-in votes.** (1) Eligible electors may cast a write-in vote for a candidate who has filed an affidavit of intent of write-in candidacy pursuant to section 1-4-1101 by writing the name of the person in the blank space provided for write-in candidates on the ballot. Each write-in vote may include a reasonably correct spelling of a given name, an initial or nickname, or both a given name and an initial or nickname, and shall include the last name of the person for whom the vote is intended. Whenever write-in votes are cast, they shall be counted only when the intention of the elector is clearly apparent.
- (2) A vote for a write-in candidate shall not be counted unless that candidate is qualified to hold the office for which the elector's vote was cast.
- (3) If the elector has cast more votes for an office than he or she is lawfully entitled to cast, by voting for both a candidate appearing on the ballot and a valid write-in candidate, neither of the votes for the office shall be counted.
- (4) (a) The designated election official shall make a list of eligible write-in candidates and provide the list to the election judges. The order of the write-in candidates on such list may be determined by the time of filing the affidavit pursuant to section 1-4-1101.
- (b) Except as may be required to accommodate a person with a disability, election judges shall not verbally comment on write-in candidates. Upon request of an eligible elector, an election judge may display to the requesting elector the list of eligible write-in candidates provided to the judges by the designated election official. The list shall not be posted nor may the list be taken into a voting booth.

Source: L. 92: Entire article R&RE, p. 737, § 9, effective January 1, 1993. **L. 93:** (1) amended, p. 1419, § 70, effective July 1. **L. 96:** (4) added, p. 1746, § 41, effective July 1.

Rule 11. Voting Systems

11.3.2 Logic and Accuracy Test

- (a) The county clerk must conduct the public Logic and Accuracy Test no later than the 18th day before election day.
- (b) The county must ensure that the Logic and Accuracy Test is open to the extent allowable in accordance with section 1-7-509(2)(b), C.R.S. The county clerk may limit the number of representatives from each group because of space limitations.
- (c) Preparing for the Logic and Accuracy Test
 - (1) The county must prepare a test deck of ballots that includes every ballot style and, where applicable, precinct. The county test deck must include a sufficient number of ballots to mark every vote position for every contest including write-in candidates, allow for situations where a contest permits an elector to vote for two or more positions, and include overvotes and undervotes for each contest.
 - (2) The county must convene a Testing Board of one registered elector from each of the major political parties. Testing Board members must be registered to vote in the county.
 - (3) The county must provide at least 25 ballots that are clearly marked as test ballots to each Testing Board member.
 - (4) Testing Board members must mark their test ballots following the instructions printed on the ballots and retain a record of the tally.
 - (5) The Testing Board must test the ballots on each type of voting device used in the election and each type of ballot including audio ballots.

(d) Conducting the Test

- (1) The county and Testing Board must observe the tabulation of all test ballots, compare the tabulation with the previously retained records of the test vote count, and correct any discrepancies before the device is used in the election.
- (2) The county must reset the public counter to zero on all devices and present zero tapes to the Testing Board for verification.
- (3) The county must make an appropriate number of voting devices available and the Testing Board may witness the programming and/or downloading of memory devices necessary for the test.

- (4) The Testing Board and designated election official must count the test ballots as follows, if applicable:
 - (A) Optical Scanners:
 - (i) The Testing Board must test at least one central count optical scanner and at least one optical scanner used at a voter service and polling center, if applicable.
 - (ii) The Testing Board must randomly select the machines to test.
 - (iii) The Testing Board must count the board and county's test ballot batches separately and generate reports to verify that the machine count is identical to the predetermined tally.
 - (B) DREs:
 - (i) The Testing Board must test at least one DRE.
 - (ii) The Testing Board must randomly select the machines to test.
 - (iii) Each member of the Testing Board must separately cast his or her test ballots on the selected DREs. Each Testing Board member must cast at least one of his or her test ballots using the audio ballot playback and accessible input devices.
 - (iv) Each Testing Board member must examine the tabulation tape or report and verify that the DRE tabulated the ballots and votes cast in the same manner that the Testing Board member manually marked his or her test ballots.
 - (C) Ballot Marking Devices (BMDs):
 - (i) The Testing Board must test at least one BMD.
 - (ii) At least two members of the Testing Board must use the selected BMD to mark and print at least 25 ballots in the same manner that the testing board member manually marked his or her test ballots. At least two members of the Testing Board must mark at least one of his or her test ballots using the audio ballot playback and accessible input devices.

- (iii) A Testing Board member or county election official must separately scan and tabulate the test ballots marked with and printed from the BMD on one central count or polling location scanner, and generate a results report.
- (iv) Each Testing Board member must verify that the results report generated from the scanner exactly corresponds to the testing board member's tally of the votes on the manually marked paper ballots comprising his or her test ballots.

(e) Completing the test

- (1) The county must keep all test materials, when not in use, in a durable, secure box. Each member of the Testing Board must verify the seals and initial the chain-of-custody log maintained by the county clerk. If the records are opened for inspection, at least two election officials must verify the seals and initial the chain-of-custody log.
- (2) The county must upload the results from all tested scanners and DREs to the tabulation software, and save the tabulation results for the ENR test required under Rule 11.10.3.
- (3) After testing, the Testing Board must watch the county reset and seal each voting device.
- (4) The Testing Board and the county clerk must sign a written statement attesting to the qualification of each device successfully tested, the number of the seal attached to the voting device at the end of the test, any problems discovered, and any other documentation necessary to provide a full and accurate account of the condition of a given device.
- (5) The county may not change the programming of any voting device after completing the logic and accuracy test for an election, except as required to conduct a recount or as authorized by the Secretary of State.

Rule 18. Uniform Ballot Counting Standards

- In any election where a multiple page printed ballot is used, a voter must vote and return all pages of the ballot at the same time. Any voter who returns at least one page of a multiple page printed ballot will be considered to have voted and the county clerk or designated election official must count the votes on the submitted pages. The county clerk must not count votes on additional pages returned at a later time. The county clerk must appropriately mark, set aside, and preserve the ballots as election records in accordance with section 1-7-802, C.R.S.
- 18.2 Uniform Counting Standards for hand-counted Paper Ballots
 - 18.2.1 In accordance with section 1-7-309, C.R.S., and Rule 18.6, judges counting ballots on election day must consider the intent of the voter.
 - 18.2.2 If a race or ballot measure is overvoted, the judges must not count any vote for that race or ballot measure.
 - 18.2.3 If a race or ballot measure contains no markings by the voter, no tally will be made for that race or ballot measure. But all other candidate races or ballot measures properly marked by the voter on the ballot must be counted.
 - 18.2.4 A ballot which has no markings for any candidate races or ballot measures must be tallied as a blank ballot.
- 18.3 Uniform Counting Standards for Optical Scan Ballots
 - 18.3.1 Optical Scan Procedures at a voter service and polling center
 - (a) Voters whose ballots are rejected or sorted by a voter service and polling center scanner as a blank or overvoted ballot must be given the opportunity to correct their ballot.
 - (b) Ballots sorted to a write-in bin must be tallied at the conclusion of the voting and delivered to the central counting center in a secure container.
 - 18.3.2 Central Count Optical Scan Procedures
 - (a) Judges may complete a visual inspection of every ballot for the limited purpose of separating damaged ballots into a unique batch.
 - (b) Judges must resolve, and where applicable, duplicate, every damaged ballot and all ballots sorted by the optical scan machine in accordance with this Rule.
 - (c) A resolution board, consisting of a bipartisan team of two election judges for partisan elections or two qualified election judges for nonpartisan elections, must resolve all ballots sorted by the central count optical scan equipment.
 - (1) The board must be observed by two additional election judges, who in any partisan election must be representatives of each major political party.
 - (2) The resolution board must maintain a log for each step of verification, duplication, and counting.

- (d) Sequence of Resolution Procedures
 - (1) The resolution board must run a zero tape, or similar report, indicating no votes cast or counted before the counting begins.
 - (2) The board must review all ballots with overvotes, blank ballots, and writein ballots sorted by the optical scanner. Ballots sorted by the optical scan equipment are subject to review by the resolution board. If there are no legally qualified write-in candidates, the write-in sort option must not be utilized.
 - (3) A voter's intent must be reviewed for every ballot that requires resolution.
 - (4) All ballots sorted by the optical scanner and resolved by the resolution board by duplication must be marked as duplicated.
 - (5) The resolution board must maintain an official audit log for all ballots resolved setting forth the duplicate ballot number where applicable, specific reason that the ballot was resolved, date of resolution, and the initials of the members of the duplication board responsible for resolving the ballot.
 - (6) The county must separately log the seal number of each box containing one or more valid write-in votes.
- (e) Resolution of damaged ballots
 - (1) The resolution board must duplicate damaged or defective ballots utilizing the ballot duplication procedures in Rule 18.5.
 - (2) The resolution board must examine blank ballots to determine if the ballot is a true blank ballot or one that has been marked with a non-detectable mark. Resolution board members must make a duplicate copy of the ballot which has been marked with a non-detectable mark utilizing the ballot duplication procedures in Rule 18.5. If a ballot is truly blank, the board must rescan the ballot and tabulate it with no races or ballot measures voted.
 - (3) The resolution board must inspect and resolve overvoted ballots in accordance with Rule 18.6.
 - (4) Write-in votes sorted by the optical scan equipment must be delivered to the assigned write-in board for hand counting.
 - (A) During the initial ballot count, the oval must be darkened or the arrow connected according to the appropriate voting instructions. The county may count only votes for legally qualified write-in candidates.
 - (B) If, following the initial count, the number of undervotes in that race could change the outcome or force the election into a mandatory recount if attributed to a legally qualified write-in candidate, the county must count votes for that candidate whether or not the target area designating the selection of a write-in candidate has been marked, provided that the number of

candidates chosen does not exceed the number permitted in that office.

- (5) The resolution board must duplicate ballots by clearly labeling the new duplicate ballot as a "DUPLICATE" and assign a serial number which shall be recorded on both the original and duplicate ballot. For example, the first ballot in Precinct # 1 to be duplicated could be labeled as #1/001 with the duplicate labeled D#1/001. Original ballots must be separated from the duplicate ballots and placed in a sealable container clearly marked "ORIGINAL BALLOTS." The duplicate ballots must be counted in lieu of the original ballots.
- (6) The resolution board must maintain an official audit log setting forth the precinct number, duplicate ballot number, reason (with specificity) that the ballot was duplicated, date of duplication, and the initials of the members of the duplication board responsible for duplicating the ballot.
- (f) Recount Procedures for Optical Scan
 - (1) Optical scan equipment must be set to consistent sensitivity standards for each system type, must be tested before the recount, and must be programmed to sort undervotes for the individual race(s) or ballot measure(s) being recounted.
 - (2) The county will conduct a recount of a race with a write-in candidate as outlined in Rule 18.6.4.
- 18.4 Uniform Counting Standards for DREs. A vote that is properly recorded, as specified by the voting instructions, on the voting device for an office or ballot measure must be counted.
- 18.5 Duplication of Ballots
 - 18.5.1 Using the damaged ballot as the guide, the duplicating team must mark a blank ballot so that the votes recorded are identical to those indicated on the damaged ballot. The duplication must be proofed to ensure it is marked properly and accurately.
 - 18.5.2 Every duplicated ballot must be subject to the process for determining voter intent outlined in Rule 18.6.
 - 18.5.3 A unique number must be assigned to both the original and duplicated ballot. This will reference the two ballots together and provide an audit trail. (Example: the ballots may be marked XX-NNN, where XX is the precinct number and NNN are consecutive numbers starting with the number one.)
 - 18.5.4 The duplicated ballots must be counted in the same manner as all other ballots to be counted.
 - 18.5.5 The damaged or unreadable original ballot must be marked "DUPLICATED" to indicate that the ballot has been duplicated and the duplication is completed. All duplicated original ballots for a precinct along with any applicable printed material must be placed in a sealable container and clearly marked "ORIGINAL BALLOTS."

18.6 Determination of Voter Intent

- 18.6.1 If a voter uses a consistent alternate ballot marking method that deviates from the method specified by the voting instructions (such as circling or placing a check mark behind a candidate's name or ballot response) and does not place an "X", check or other appropriate mark in the target area, the voter will be considered to have voted for the appropriate candidates and or ballot responses and the ballot must be duplicated. But if a voter marks any of his or her choices by placing an "X", check or other appropriate mark in any target area on the voter's ballot, only those choices where the target area is marked may be counted.
- 18.6.2 A ballot that has a mark correctly in the target area that partially extends into another target area must be counted as a vote for the candidate or ballot response so marked.
- 18.6.3 When resolving an overvoted race, marks indicating the voter's intent include, circling the candidate's name and strike-outs or corrections of choices.

18.6.4 Write-in votes

- (a) If a voter designates a vote for a named candidate on the ballot and writes in the name of the same candidate in the write-in area, the vote must be counted.
- (b) If a voter designates a named candidate on the ballot and writes in the name of a different candidate in the write-in area, it must be considered an overvote for that office if the number of chosen candidates exceeds the number permitted to be voted for in that office and no vote may be counted.
- (c) During any recount of votes, if the number of undervotes in that race could change the outcome if attributed to a legally qualified write-in candidate, votes for that candidate must be counted whether or not the target area designating the selection of a write-in candidate has been marked, provided that the number of candidates chosen does not exceed the number permitted in that office.

Boulder County

Boulder County Clerk & Recorder Elections Division Logic and Accuracy Test Documentation

BNOW and DAU test information

Election Title:									
2016 Primary Election	on – June 28, 2016								
BOSS Database ID:		Creation Date:							
MB: 160510-140342	DAU: 160517-135335	MB: 05/10/2016	DAU: 05/17/2016						
Test Date(s):		Test Location:							
June 1 – 3, 2016		1750 33 rd St. Boulder, CO							

Title	Printed Name (Team #)	Ballot Now MBB ID Number	DRE MBB ID Number
LAT Coordinator County Test Deck	Justine Vigil-Tapia Boulder County Elections Coordinator	58	N/A
Board Member #1 Team #1D	Pat Feeser Democratic Party Representative	87	06
Board Member #2 Team #1R	Maureen Denig Republican Party Representative	56	04
Participant - Democratic Team #1D	Paul Geissler Democratic Party Representative	87	06
Participant - Republican Team #2R	Cathy Jarrett Republican Party Representative	56	04
Support Member	Patty Stahl (Inspect)	N/A	N/A
Support Member	Robb Menzies (Scan/DRE)	N/A	N/A
Support Member	Iola Freeland (Scan/DRE)	N/A	N/A
Support Member	Crystal Christman (Tabulation)	N/A	N/A
Support Member	Brad Light (DRE)	N/A	N/A
Support Member	Elin Larson (MVW/DRE)	N/A	N/A
Support Member	Kent Werner (MVW/DRE)	N/A	N/A
Support Member	Tricia Grossnickle (MVW/DRE)	N/A	N/A
Support Member	Robert Lopez (DRE)	N/A	N/A
Support Member	Nick Richebacher (MVW/DRE)	N/A	N/A



	DE	VICE DOCUMENTATIO	N		
Device ID	Type of Device	Members Testing Device	Satisfactory / Unsatisfactory	Initials	Seal # (Where applicable)
3 – JBC - 200 Serial # c03dc7	MBB - 4	Maureen Denig Pat Feeser	Satisfactory	On File	On File
Booth - 124 Serial # a0afff	eSlate	Maureen Denig Robert Lopez	Satisfactory	On File	On File
Booth - 124 Serial # v03662	VBO		Satisfactory	On File	On File
Booth - 99 Serial # a0af28	eSlate	Cathy Jarrett Iola Freeland	Satisfactory	On File	On File
Booth - 99 Serial # v03711	VBO		Satisfactory	On File	On File
5 – JBC - 213 Serial # c03f0b	MBB - 6	Maureen Denig Pat Feeser	Satisfactory	On File	On File
Booth - 205 Serial # a0b248	eSlate	Pat Feeser Kent Werner	Satisfactory	On File	On File
Booth - 205 Serial # v03701	VBO		Satisfactory	On File	On File
Booth - 108 Serial # a0af67	eSlate	Paul Geissler Nick Richebacher	Satisfactory	On File	On File
Booth - 108 Serial # v036c6	VBO		Satisfactory	On File	On File

	DEVICE DOCUMENTATION										
Device ID	Type of Device	Members Testing Device	Satisfactory / Unsatisfactory	Initials	Seal # (Where applicable)						
Central Count Scanners											
Scan Station C BNOW CH4MCZ1 RESOLUTION CGZMCZ1	Central Count Scanner MBB	Pat Feeser Maureen Denig	Satisfactory	On File	N/A						
Scan Station E BNOW CHDLCZ1 RESOLUTION CH8LCZ1	Central Count Scanner MBB	Maureen Denig Cathy Jarrett	Satisfactory	On File	N/A						
Scan Station G BNOW CHDPCZ1 RESOLUTION CGRMCZ1	Central Count Scanner MBB	Pat Feeser, Paul Geissler	Satisfactory	On File	N/A						
TALLY CHONCZ1	Central Count Tabulation	Pat Feeser Maureen Denig	Satisfactory	On File	N/A						



Requirements of the LAT

Preparation:

- ✓ The county test deck has been prepared and includes every ballot style and precinct in the election
- ✓ The county test deck includes a mark for every voting position for every contest including write-in candidates, includes situations where a voter may choose two or more options, and includes overvotes and undervotes for each contest
- ✓ Testing board is comprised of one registered elector from each major political party
- ✓ Test board members are registered in Boulder County
- ✓ 25 test ballots have been provided to each test board member
- ✓ All ballots were marked "TEST"
- ✓ Test ballots are marked following the instructions printed on the ballots
- ✓ Test board members have retained a record of the tally (Manual Verification Worksheet)
- ✓ Test board members have randomly selected the machines to test
- ✓ Each type of voting device and each type of ballot is represented in testing

Scanner Test (Mail and In-Person paper voting):

Test Board Members completed the following:

- ✓ Verified the zero report that shows the public counter is reset to zero
- ✓ Observed the separate processing of test ballots on the scan station
- ✓ Reviewed reports generated and verified counts

DRE Test (Accessible voting):

Test board members completed the following:

- ✓ Verified the zero report that shows the public counter is reset to zero
- ✓ Separately cast member's test board ballots on DRE
- ✓ Tested at least one ballot using audio ballot playback and accessible input devices
- ✓ Verified the eSlate and V-VPAT against each test ballot prior to casting the ballot
- ✓ Verified counts on JBC Summary Report from suspending polls

Tabulation:

Test board members witnessed the following:

- ✓ Tabulation counts set to zero
- ✓ Tabulation zero report
- ✓ Tabulation of MBBs from electronic and paper ballot testing
- ✓ Result reports produced for comparison to test board tallies (Manual Verification Worksheet)

Comparison:

- ✓ The tabulation results were compared with individual tallies
- ✓ Test board members have verified that tabulation results match individual tallies (Manual Verification Worksheet)



Storage of test material:

- ✓ Test materials were contained in the testing area and secured in a sealed metal cage when not in use
- ✓ Each Test Board Member verified the seals and initialed the chain-of-custody log
- ✓ If records were opened for inspection, at least two election officials verified the newly attached seals and initialed the chain-of-custody log

Resetting and sealing of equipment:

- ✓ Members witnessed the county reset and seal each tested voting device after the completion of testing
- ✓ Members documented the seal number attached to the device at the end of the test for inclusion in the statement of qualification

Statement of Qualification:

- ✓ Members and Clerk have signed a written statement attesting to the qualification of each device successfully tested
- ✓ The statement includes the seal information at the end of testing, any problems discovered, and other documentation necessary to providing a full and accurate account of the condition of a given device



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 2016 Primary Election on June 28, 2016.

	On File
Pat Feeser, Democratic Representative LAT Testing Board	Maureen Denig, Republican Representative LAT Testing Board
	On File
	Hillary Hall Boulder County Clerk & Recorder
other information or attaching any additional dofull and accurate account of the condition of each Pat Feeser, Democratic Party Representative of	
None 	
Maureen Denig, Republican Party Representativ	ve of LAT Testing Board:
None	
Hillary Hall, Boulder County Clerk & Recorder:	

2016 Primary Election LAT



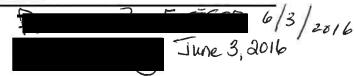
Cumulative Report — Official

Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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Party	Cal	ndidate	Absente)		Early			Electio	n	Т/	otal	
raity		Traine and the second	Absente			Lutty		<u> </u>	Licodo	<u>"</u>	<u> </u>	, tui	
nited State	es Senator, Vote For 1 Den	nocratic											
DEM	Michael Bennet		47	100.00%		0	0.00%		0	0.00%	47	100_00%	
		Cast Votes:	47	10_04%		0	0.00%		0	0,00%	47	10_04%	
		Over Votes:	0	0.00%		0	0.00%		0	0.00%	0	0.00%	
		Under Votes:	421	89,96%		0	0.00%		0	0.00%	421	89.96%	
nited State	es Senator, Vote For 1 Rep	oublican											
REP	Darryl Glenn		85	26,65%		0	0.00%		0	0.00%	85	26.65%	
REP	Ryan L. Frazier		69	21.63%		0	0.00%		0	0.00%	69	21,63%	
REP	Robert Blaha		58	18.18%		0	0.00%		0	0.00%	58	18.18%	
REP	Jack Graham		46	14.42%		0	0.00%		0	0.00%	46	14.42%	
REP	Jon Keyser		37	11.60%		0	0.00%		0	0.00%	37	11.60%	
	Jerry Eller - REP (W)		24	7.52%		0	0.00%		0	0.00%	24		
		Cast Votes:	319	56.46%		0	0.00%		0	0.00%	319	56.46%	
		Over Votes:	11	1.95%		0	0.00%		0	0.00%	11	1.95%	
		Under Votes:	235	41.59%		0	0.00%		0	0.00%	235	41.59%	
epresentat	tive to the 115th United State	es Congress - District 2, Vo	te For 1 Democratic										_
DEM	Jared Polis		42	70.00%		0	0.00%		0	0.00%	42	70.00%	
	Steven Todd - DEM (W)		18	30.00%		0	0.00%		0	0.00%	18		
		Cast Votes:	60	17.05%		0	0.00%		0	0.00%	60	17.05%	
		Over Votes:	8	2.27%		0	0.00%		0	0.00%	8	2.27%	
		Under Votes:	284	80.68%		0	0.00%		0	0.00%	284	80.68%	
			Preci	icts			Vo	oters					
			Counted Total		Percent	Ballots	Regi	stered	Percer	nt			
			0	175	0.00%		352	69,292	0	51%			
	15 4 - 445th H-24-4 C4-4	Common District 2 V	to For 4 Bonublings										
	tive to the 115th United State	es Congress - District 2, vo											
REP	Nicholas Morse		34	100.00%		0	0.00%		0	0.00%	34	100.00%	
		Cast Votes:	34	8.00%		0	0.00%		0	0.00%	34	8.00%	
		Over Votes:	0	0.00%		0	0.00%		0	0.00%	0		
		Under Votes:	391	92.00%		0	0.00%		0	0.00%	391	92.00%	
			Preci	icts			Vo	oters					
			Counted Total		Percent	Ballots		istered	Percer				
			0	175	0.00%		425	21,184	2	.01%			



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ai Numbe	er of Voters : 1,03	3 of 123,156 = 0.84%						-recincis Re	porting 0 of 233
Party		Candidate	Absentee	Early	Election	n	То	tal	I
epresentati	ive to the 115th Unite	d States Congress - District 4, Vo	te For 1 Democratic						
DEM	Bob Seay		9 100.00%	0 0.00	0% 0	0.00%	9	100.00%	
		Cast Votes:	9 7,76%	0 0.00	9% 0	0.00%	9	7.76%	=======================================
		Over Votes: Under Votes:	0 0.00% 107 92.24%	0 0.00 0 0.00		0.00% 0.00%	0 107	0.00% 92.24%	
			Precincts		Voters				
					Registered Percen				
			0 58	0.00% 116	18,662 0.	62%			
epresentati	ive to the 115th Unite	d States Congress - District 4, Vo	te For 1 Republican						
REP	Ken Buck		11 100.00%	0 0.00	0% 0	0.00%	11	100.00%	
		Cast Votes:	11 7.86%	0 0.00	0% 0	0.00%	11	7.86%	
		Over Votes:	0 0.00%	0 0.00		0.00%	0	0.00%	
		Under Votes:	129 92.14%	0 0.00	0% 0	0.00%	129	92.14%	
			Precincts		Voters				
				0.00% Ballots	Registered Percer	t 00%			
			0 58	0.00% 140	14,018	00%			
egent of th	e University of Colora	ndo - At Large, Vote For 1 Dem	ocratic						
DEM	Alice Madden		47 100.00%	0 0.00	0% 0	0.00%	47	100.00%	
		Cast Votes:	47 10.04%	0 0.00	0% 0	0.00%	47	10.04%	
		Over Votes:	0 0,00%	0 0.00	0% 0	0.00%	0	0.00%	
		Under Votes:	421 89.96%	0 0.00	0%	0.00%	421	89.96%	
egent of th	e University of Colora	ndo - At Large, Vote For 1 Repu	ıblican						
REP	Heidi Ganahl		46 100.00%	0 0.00	0% 0	0.00%	46	100.00%	
		Cast Votes:	46 8,14%	0 0.00	0% 0	0.00%	46	8.14%	
		Over Votes:	0 0.00%	0 0.00	0%	0.00%	0	0.00%	
		Under Votes:	519 91.86%	0 0.00	0% 0	0.00%	519	91.86%	

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			га	ge 3 OI 7	06/02/2016 10:
al Numb	er of Voters : 1,033 of 123	3,156 = 0.84%			Precincts Reporting 0 of 233 =
Party	Candi	date	Absentee	Early Election	Total
ent of th	e University of Colorado - Con	gressional District 4, Ve	ote For 1 Democratic		
DEM	Bob Owens		9 100.00%	0 0.00% 0 0.00%	9 100.00%
		Cast Votes:	9 7.76%	0 0.00% 0 0,00%	9 7.76%
		Over Votes: Under Votes:	0 0.00% 107 92.24%	0 0.00% 0 0.00% 0 0.00% 0 0.00%	-
			Precincts	Voters	
			Counted Total Percent 0 58 0	Ballots Registered Percent 00% 116 18,662 0.62%	
•	e University of Colorado - Con	gressional District 4, V	•		(€)
REP	Suzanne M. Sharkey		11 100,00%	0 0,00% 0 0,00%	
		Cast Votes:	11 7.86%	0 0.00% 0 0.00%	
		Over Votes: Under Votes:	0 0.00% 129 92.14%	0 0,00% 0 0.00% 0 0.00% 0 0.00%	
			Precincts	Voters	
			Counted Total Percent 0 58 0	Ballots Registered Percent 00% 140 14,018 1.00%	
ite Senato	or - District 17, Vote For 1 De	mocratic			-
DEM	Matt Jones		13 100.00%	0 0.00% 0 0.00%	6 13 100.00%
		Cast Votes:	13 6.91%	0 0.00% 0 0.00%	6 13 6.91%
		Over Votes: Under Votes:	0 0.00% 175 93.09%	0 0.00% 0 0.00% 0 0.00% 0 0.00%	
			Precincts	Voters	
			Counted Total Percent		
			0 94 0	00% 188 35,311 0.53%	
	or - District 17, Vote For 0 Re	publican			
ate Senate	. =			0 0.00% 0 0.00%	6 0.00%
ite Senati	No Candidate for Race		0 0.00%	0 0.00% 0 0,00%	0 0.00%
ate Senate		Cast Votes:	0 0.00%	0 0.00% 0 0.00%	
tate Senate		Cast Votes:			
tate Senate		Cast Votes:	0 0.00% Precincts Counted Total Percent	0 0.00% 0 0.00%	

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Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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				Page 4 of 7		00/0	1212010 10
tal Numb	er of Voters : 1,033 of 123	,156 = 0.84%				Precincts Reporting	0 of 233
Party	Candid	date	Absentee	Early	Election	Total	
tate Senato	or - District 18, Vote For 1 Der	mocratic					
DEM	Stephen Fenberg		28 100.00%	0 0.00%	0 0.00%	28 100.00%	
		Cast Votes:	28 10.94%	0 0.00%	0 0.00%	28 10.94%	
		Over Votes: Under Votes:	0 0.00% 228 89.06%	0 0.00% 0 0.00%	0 0,00% 0 0,00%	0 0.00% 228 89.06%	
			Precincts	Vote			
			Counted Total Perd		ered Percent 49,410 0.52%		
tate Senato	or - District 18, Vote For 1 Rep	publican					
REP	M. Peter Spraitz		26 100.00%	0 0.00%	0 0.00%	26 100.00%	
		Cast Votes:	26 8.70%	o C.00%	0 0.00%	26 8.70%	
		Over Votes: Under Votes:	0 0.00% 273 91.30%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 273 91.30%	
			Precincts	Vote			
			Counted Total Perc		Percent 12,321 2.43%		
			0 120	2.5077	72,02		
tate Repre	sentative - District 10, Vote For	1 Democratic				3	
DEM	Angelique Espinoza		7 46.67%	0 0.00%	0 0.00%	7 46.67%	
DEM	Edie Hooton	2	8 53.33%	0 0.00%	0 0.00%	8 53,33%	
		Cast Votes:	15 12.71%	0 0.00%	0 0.00%	15 12.71% 1 0.85%	
		Over Votes: Under Votes:	1 0.85% 102 86.44%	o 0.00% o 0.00%	0 0.00% 0 0.00%	1 0.85% 102 86.44%	
		861	Precincts	Vote	ers		
			Counted Total Per	cent Ballots Regist	tered Percent		
	21		0 59	0.00% 118	25,622 0.46%		
Stata Banza	sentative - District 10, Vote For	0 Republican					
зиш керге	No Candidate for Race	Tropublican	0 0.00%	0 0.00%	0 0.00%	0 0.00%	
	THE GALLACIES FOR FRANCE	Cast Votes:	0 0.00%	0 0.00%	0 0.00%	0 0.00%	
			Precincts	Vote	ers		
				cent Ballots Regist			

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Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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		Pa	age 5 of 7		06/0	02/2016 10:18 AI
F		Absentee	Early	Election	Precincts Reporting	g 0 of 233 = 0.00
sentative - District 11. Vote For 1	Democratic					
Jonathan Singer		10 100.00%	0 0.00%	0 0.00%	10 100 00%	
	Cast Votes:	10 8.77%	0 0.00%	0 0.00%	10 8.77%	
	Over Votes:	0 0.00%	0 0,00%	0 0.00%	0 0.00%	
	Under Votes:	104 91.23%			104 91.23%	
		Precincts				
	Republican					
Corey Piper			0 0.00%	0 0.00%	10 100.00%	
	Cast Votes:		0 0,00%	0 0,00%	10 7.19%	
	Over Votes: Under Votes:	0 0.00% 129 92.81%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 129 92.81%	
		Precincts	Voters			
sentative - District 12, Vote For 1	Democratic					
Mike Foote		9 100.00%	0 0.00%	0 0.00%	9 100.00%	
	Cast Votes:	9 8.18%	0 0.00%	0 0.00%	9 8.18%	
	Over Votes: Under Votes:	0 0.00% 101 91.82%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 101 91.82%	
		Precincts	Voters			
sentative - District 12, Vote For 1	Republican			49		
Bob Dillon		9 100.00%	0 0,00%	0 0.00%	9 100.00%	
	Cast Votes:	9 7.03%	0 0.00%	0 0.00%	9 7.03%	
	Over Votes: Under Votes:	0 0.00% 119 92.97%	0 0.00% 0 0.00%	0 0.00%	0 0.00% 119 92.97%	
		Precincts	Voters			
		Counted Total Percen	t Ballots Registere	d Percent		
	Candida centative - District 11, Vote For 1 Jonathan Singer centative - District 11, Vote For 1 Corey Piper centative - District 12, Vote For 1 Mike Foote	Cast Votes: Over Votes: Under Votes: Under Votes: Under Votes: Over Votes: Over Votes: Under Votes: Over Votes: Under Votes: Over Votes: Under Votes: Over Votes:	Candidate	Candidate	Candidate	Precincts Reporting Candidate

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al Numbe	er of Voters: 1,033 of 123,	156 = 0.84%										F	Precincts I	Reporting 0	of 233 :
Party	Candida	nte	-	Absentee	•		Early			Electio	n	To	tal		
ate Repres	sentative - District 13, Vote For 1	Democratic		v					S- N-						
DEM	KC Becker			8	100.00%	6	0	0.00%		0	0.00%	8	100,00%		
		Cast Votes:		8	8_16%	6	0	0.00%		0	0.00%	8	8.16%		
	F	Over Votes:		0	0.00%		0	0.00%		0	0.00%	0	0.00%		
		Under Votes:		90	91_84%	6 	0	0.00%		0	0.00%	90	91.84%		
				Precin	cts		5 !! .		oters						
			Counted	Total	48	Percent 0.00%	Ballots	98 Regi	17,946	Percei 0	.55%				
								_			_				-
tate Repres	sentative - District 13, Vote For 0	Republican				,									
	No Candidate for Race		¥	0	0.00%		0	0.00%		0	0.00%	 0	0.00%	_	
		Cast Votes:		0	0.00%	0	0	0.00%		0	0.00%	0	0.00%		
				Precin	cts				ters						
			Counted	Total		Percent	Ballots	l Reai	stered	Percer	it				
itate Repres	sentative - District 33. Vote For 1	Democratic	0		48	0.00%		0	3,248	0	.00%			1	
tate Repres	sentative - District 33, Vote For 1 Matt Gray		0	7	100.00%	0.00%	0	0.00%		0	0.00%	_	100.00%		—: — <u>:</u>
•		Cast Votes:		7 7	100.00%	0.00% 6 6	0	0.00%		0	0.00%	7	25.00%		<u> </u>
-			-	7 7 0	100.00%	0.00% 6 6	0	0.00%		0	0.00%	_			—
•		Cast Votes: Over Votes:		7 7 0	100.00% 25.00% 0.00% 75.00%	0.00% 6 6	0 0 0	0.00% 0.00% 0.00% 0.00%		0 0	0.00% 0.00% 0.00%	7	25.00% 0.00%		<u> </u>
-		Cast Votes: Over Votes:	Counted	7 7 0 21	100.00% 25.00% 0.00% 75.00%	0.00% 6 6 6 6 Percent	0 0 0	0.00% 0.00% 0.00% 0.00%	3,248	0 0 0 0	0.00% 0.00% 0.00% 0.00%	7	25.00% 0.00%	2	-
•		Cast Votes: Over Votes:		7 7 0 21 Precin	100.00% 25.00% 0.00% 75.00%	0.00% 6 6 6 6	0 0 0 0	0.00% 0.00% 0.00% 0.00%	3,248	0 0 0 0	0.00% 0.00% 0.00% 0.00%	7	25.00% 0.00%	v	_
DEM		Cast Votes: Over Votes: Under Votes:	Counted	7 7 0 21 Precin	100.00% 25.00% 0.00% 75.00%	0.00% 6 6 6 6 7	0 0 0 0	0.00% 0.00% 0.00% 0.00%	3,248	0 0 0 0	0.00% 0.00% 0.00% 0.00%	7	25.00% 0.00%		_
DEM	Matt Gray	Cast Votes: Over Votes: Under Votes:	Counted	7 7 0 21 Precin Total	100.00% 25.00% 0.00% 75.00%	0.00%	0 0 0 0	0.00% 0.00% 0.00% 0.00%	3,248	0 0 0 0	0.00% 0.00% 0.00% 0.00%	7	25.00% 0.00%	¥	_
DEM	Matt Gray sentative - District 33, Vote For 1	Cast Votes: Over Votes: Under Votes:	Counted	7 7 0 21 Precin Total	100.00% 25,00% 0.00% 75.00%	0.00% 6 6 6 6 7 Percent 0.00%	0 0 0 0 Ballots	0.00% 0.00% 0.00% 0.00%	3,248	0 0 0 0	0.00% 0.00% 0.00% 0.00%	7 0 21	25.00% 0.00% 75.00%	•	_
DEM	Matt Gray sentative - District 33, Vote For 1	Cast Votes: Over Votes: Under Votes: Republican Cast Votes: Over Votes:	Counted	7 7 0 21 Precin Total 6 6 0	100.009 25.009 0.00% 75.009 octs 14 100.009 0.009	0.00% 6 6 6 7 Percent 0.00%	0 0 0 0 0 Bailots	0.00% 0.00% 0.00% Vc Regi 28	3,248	0 0 0 0 0	0.00% 0.00% 0.00% 0.00% 0.00%	7 0 21 6 6	25.00% 0.00% 75.00% 100.00% 10.00%	*	_
DEM	Matt Gray sentative - District 33, Vote For 1	Cast Votes: Over Votes: Under Votes: Republican Cast Votes:	Counted	7 7 0 21 Precin Total 6 6 0 54	100.00% 25,00% 0.00% 75,00% ects 14 100.00% 10,00% 90,00%	0.00% 6 6 6 7 Percent 0.00%	0 0 0 0 0 Ballots	0.00% 0.00% 0.00% Vc Regi 28 0.00% 0.00% 0.00%	3,248 oters istered 4,931	0 0 0 0 0	0.00% 0.00% 0.00% 0.00% 0.00%	7 0 21 6	25.00% 0.00% 75.00% 100.00%	•	_
DEM	Matt Gray sentative - District 33, Vote For 1	Cast Votes: Over Votes: Under Votes: Republican Cast Votes: Over Votes:	Counted	7 7 0 21 Precin Total 6 6 0	100.009 25.009 0.00% 75.009 ects 14 100.009 0.009 90.009	0.00% 6 6 6 7 Percent 0.00%	0 0 0 0 0 Bailots	0.00% 0.00% 0.00% Vc Regi 28 0.00% 0.00% 0.00%	3,248	0 0 0 0 0	0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	7 0 21 6 6	25.00% 0.00% 75.00% 100.00% 10.00%	¥	_

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Total Number of Voters: 1,033 of 123,156 = 0.84%

Precincts Reporting 0 of 233 = 0.00%

	Der 01 Voters : 1,033 01 123,	100 - 0.04%								riedindis	Reporting 0 of 2
Party	Candida	ate	Absente	ee	Early		Elect	tion	To	tal	
District Atto	orney - 20th Judicial District, Vote	For 1 Democratic	— <u>X</u>		318E		015				21
DEM	Stan Garnett		47	100.00%	0	0.00%	. O	0.00%	47	100.00%	
		Cast Votes:	47	10.04%	0	0.00%	0	0.00%	47	10.04%	
		Over Votes: Under Votes:	0 421	0.00% 89.96%	0	0.00% 0.00%	0 0	0.00% 0.00%	0 421	0.00% 89.96%	
District Atto	orney - 20th Judicial District, Vote	For 0 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 Cor	nmissioner District 1, Vote For 1	Democratic									
DEM	Elise Jones		44	100.00%	0	0.00%	0	0.00%	44	100.00%	
		Cast Votes:	44	9.40%	0	0.00%	0	0.00%	44	9.40%	
		Over Votes: Under Votes:	0 424		0 0	0.00% 0.00%	0 0	0.00% 0.00%	0 424	0,00% 90.60%	
County Cor	nmissioner District 1, Vote For 1	Republican									
REP	Kevin Sipple		45	100.00%	₂₇ 0	0.00%	0	0.00%	45	100,00%	
		Cast Votes:	45	7.96%	0	0.00%	0	0.00%	45	7.96%	
		Over Votes: Under Votes:	0 520		0 0	0.00% 0.00%	0 0	0.00% 0.00%	0 520	0.00% 92.04%	
County Cor	mmissioner District 2, Vote For 1	Democratic	×								
DEM	Deb Gardner		45	100.00%	0	0.00%	0	0.00%	45	100,00%	
		Cast Votes:	45	9.62%	0	0.00%	0	0.00%	45	9.62%	
		Over Votes: Under Votes:	0 423		0 0	0.00% 0.00%	0 0	0.00% 0.00%	0 423	0.00% 90.38%	
County Co	mmissioner District 2, Vote For 1	Republican				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	•			
REP	Paul Danish		45	100.00%	0	0.00%	0	0.00%	45	100.00%	
		Cast Votes:	45	7.96%	0	0.00%	0	0.00%	45	7.96%	
		Over Votes: Under Votes:	0 520		0	0.00% 0.00%	0	0.00% 0.00%	0 520	0.00% 92.04%	
			320	32.0470	0	0.0070	-	0.0070	320	32.0470	

Paper Results Test Board Member #1

Test Board Member #2

County Test Deck

Cumulative Results

SECTION AND ADDRESS OF THE PARTY OF THE PART	MVW	Machine		MVW	Machine	S (Silver)	MVW	Machine	A Joseph Land	MVW	Machine	F 15 H 15
Contests	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference
United States Senator - DEM												
Michael Bennet	25	25	0	0	0	0	22	22	0	47	47	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	421	421	0	421	421	0
United States Senator - REP												
Darryl Glenn	0	0	0	8	8	0	77	77	0	85	85	0
Ryan L. Frazier	0	0	0	3	3	0	66	66	0	69	69	0
Robert Blaha	0	0	0	3	3	0	55	55	0	58	58	0
Jack Graham	0	0	0	2	2	0	44	44	0	46	46	0
Jon Keyser	0	0	0	4	4	0	33	33	0	37	37	0
Jerry Eller (W)	0	0	0	2	2	0	22	22	0	24	24	0
Overvote	0	0	0	0	0	0	11	11	0	11	11	0
Undervote	0	0	0	3	3	0	232	232	0	235	235	0
District 2 - Rep 115th US Congress - DEM												
Jared Polis	18	18	0	0	0	0	24	24	0	42	42	0
Steven Todd (W)	2	2	0	0	0	0	16	16	0	18	18	0
Overvote	0	0	0	0	0	0	8	8	0	8	8	0
Undervote	2	2	0	0	0	0	282	282	0	284	284	0
District 2 - Rep 115th US Congress - REP												
Nicholas Morse	0	0	0	18	18	0	16	16	0	34	34	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	389	389	0	391	391	0
District 4 - Rep 115th US Congress - DEM												
Bob Seay	3	3	0	0	0	0	6	6	0	9	9	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	107	107	0	107	107	0
District 4 - Rep 115th US Congress - REP												
Ken Buck	0	0	0	5	5	0	6	6	0	11	11	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	129	129	0	129	129	0

S. F. S. L. S.	MVW	Machine	TOTAL V	MVW	Machine	S. A. T. C.	MVW	Machine	The state of	MVW	Machine	-
Contests	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference
At Large - Regent of CU - DEM												
Alice Madden	25	25	0	0	0	0	22	22	0	47	47	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	421	421	0	421	421	0
At Large - Regent of CU - REP		0		-		1 1						
Heidi Ganahl	0	0	0	24	24	0	22	22	0	46	46	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	1	1	0	518	518	0	519	519	0
CD 4 - Regent of CU - DEM												
Bob Owens	3	3	0	0	0	0	6	6	0	9	9	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	107	107	0	107	107	0
CD 4 - Regent of CU - REP												
Suzanne M. Sharkey	0	0	0	5	5	0	6	6	0	11	11	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	129	129	0	129	129	0
State Senator - District 17 - DEM												
Matt Jones	5	5	0	0	0	0	8	8	0	13	13	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	175	175	0	175	175	0
State Senator - District 17 - REP									20	11.2		100
No Candidate for Race	0	0	0	0	0	0	0	0	0	0	0	0
State Senator - District 18 - DEM												
Stephen Fenberg	18	18	0	0	0	0	10	10	0	28	28	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	228	228	0	228	228	0
State Senator - District 18 - REP									- J			
M. Peter Spraitz	0	0	0	16	16	0	10	10	0	26	26	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	273	273	0	273	273	0

1 10 south 1 1 st. 5 5 5 7	MVW	Machine	all the sale	MVW	Machine	" and the	MVW	Machine		MVW	Machine	2 10 10
Contests	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference
State Representative - District 10 - DEM												
Angelique Espinoza	4	4	0	0	0	0	3	3	0	7	7	0
Edie Hooton	6	6	0	0	0	0	2	2	0	8	8	0
Overvote	0	0	0	0	0	0	1	1	0	1	1	0
Undervote	1	1	0	0	0	0	101	101	0	102	102	0
State Representative - District 10 - REP												
No Candidate for Race	0	0	0	0	0	0	0	0	0	0	0	0
State Representative - District 11 - DEM												
Jonathan Singer	4	4	0	0	0	0	6	6	0	10	10	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	104	104	0	104	104	0
State Representative - District 11 - REP												
Corey Piper	0	0	0	4	4	0	6	6	0	10	10	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	1	1	0	128	128	0	129	129	0
State Representative - District 12 - DEM												
Mike Foote	3	3	0	0	0	0	6	6	0	9	9	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	101	101	0	101	101	0
State Representative - District 12 - REP												
Bob Dillon	0	0	0	3	3	0	6	6	0	9	9	0
Overvote	0	0 .	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	117	117	0	119	119	0
State Representative - District 13 - DEM												
KC Becker	4	4	0	0	0	0	4	4	0	8	8	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	90	90	0	90	90	0
State Representative - District 13 - REP										5		
No Candidate for Race	0	0	0	0	0	0	0	0	0	0	0	0

THE PROPERTY AND PARTY AND	MVW	Machine		MVW	Machine	5	MVW	Machine		MVW	Machine	(A) (1) (A)
Contests	Total	Total	Difference									
State Representative - District 33 - DEM												
Matt Gray	3	3	0	0	0	0	4	4	0	7	7	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	21	21	0	21	21	0
State Representative - District 33 - REP												
Karen Nelson	0	0	0	2	2	0	4	4	0	6	6	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	54	54	0	54	54	0
District Attorney - 20th - DEM												
Stan Garnett	25	25	0	0	0	0	22	22	0	47	47	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	421	421	0	421	421	0
District Attorney - 20th - REP							7					
No Candidate for Race	0	0	0	0	0	0	0	0	0	0	0	0
County Commissioner District 1 - DEM				1		h i	Til					
Elise Jones	22	22	0	0	0	0	22	22	0	44	44	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	3	3	0	0	0	0	421	421	0	424	424	0
County Commissioner District 1 - REP						1	THE .	104	4			
Kevin Sipple	0	0	0	23	23	0	22	22	0	45	45	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	518	518	0	520	520	0
County Commissioner District 2 - DEM							1.11					
Deb Gardner	23	23	0	0	0	0	22	22	0	45	45	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	2	2	0	0	0	0	421	421	0	423	423	0
County Commissioner District 2 - REP	1 1						177 -	JTw		100		
Paul Danish	0	0	0	23	23	0	22	22	0	45	45	0
Overvote	0	0	0	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	518	518	0	520	520	0

Cumulative Report — Official

Completive Results - e State Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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06/02/2016 10:41 AM

Total Number of Voters: 50 of 123,156 = 0.04% Precincts Reporting 0 of 233 = 0.00% Candidate Absentee Early Election Total United States Senator, Vote For 1 Democratic DEM Michael Bennet 25 100.00% 0 0.00% 0.00% 0 25 100.00% 25 100.00% 0.00% 0.00% 100.00% Cast Votes: 0 0 25 0.00% 0.00% 0.00% Over Votes: 0 0.00% 0 0 0 **Under Votes:** 0.00% 0 0.00% 0 0.00% 0 0.00% 0 United States Senator, Vote For 1 Republican REP Darryl Glenn 36.36% 8 0 0.00% 0.00% 0 8 36,36% REP Ryan L. Frazier 13,64% 0 0.00% 0 0.00% 3 13.64% REP Robert Blaha 13.64% 0 0.00% 0 0.00% 3 13.64% REP Jack Graham 9.09% 0.00% 0 0 0.00% 2 9.09% REP Jon Keyser 18,18% 0 0.00% 0 0.00% 18.18% Jerry Elier - REP (W) 9.09% 2 0 0.00% 9.09% 0 0.00% 88.00% Cast Votes: 22 0 0.00% 0 0.00% 22 88.00% 0.00% 0 0.00% 0 0.00% 0 0.00% Over Votes: 0 Under Votes: 12.00% 0.00% 0 0.00% 3 12,00% 3 0 District 2 - Representative to the 115th United States Congress, Vote For 1 Democratic DEM Jared Polis 18 90.00% 0.00% 0 0 0.00% 18 90.00% Steven Todd - DEM (W) 2 10.00% 0 0.00% 10.00% 0 0.00% 2 90.91% 0.00% 90.91% Cast Votes: 20 0 0.00% 0 20 0.00% 0 0.00% 0 0.00% 0 0.00% 0 Over Votes: **Under Votes:** 2 9.09% 0 0.00% 0 0.00% 2 9.09% Voters **Precincts** Ballots Percent Counted Total Percent Registered 0.03% 0.00% 69,292 175 District 2 - Representative to the 115th United States Congress, Vote For 1 Republican REP Nicholas Morse 18 100.00% 0.00% 0 0 0.00% 18 100.00% Cast Votes: 18 90.00% 0 0.00% 0 0.00% 18 90.00% Over Votes: 0 0.00% 0 0.00% 0 0.00% 0 0.00% **Under Votes:** 2 10,00% 0 0.00% 0 0.00% 10.00% **Precincts** Voters Counted Total Percent **Ballots** Registered Percent 175 0.00% 20 0.09%

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Cumulative Report — Official

Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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Party	per of Voters : 50 of	Candidate		Absente	e	1	Early			Electi	on	-	To	otal		
						4		_				4			_	
istrict 4 - F	Representative to the 11	5th United States Congress, Vo	ote For 1 Demo	cratic												
DEM	Bob Seay			3	100.00%		0	0.00%		0	0.00%		3	100.00%		_
		Cast Votes:		3	100.00%		0	0.00%		0	0.00%		3	100.00%		
		Over Votes:		0	0.00%		0	0.00%		0	0.00%		0			
		Under Votes:		0	0.00%		0	0.00%		0	0.00%		0	0.00%		
				Preci	ncts			V	oters							
			Counted	Tota		Percent	Ballots	Re	gistered	Perce						
			0		58	0.00%		3	18,662		0.02%					
istrict 4 - I	Representative to the 11	5th United States Congress, V	ote For 1 Repub	olican												-
REP	Ken Buck				100.00%		0	0.00%		0	0.00%		5	100.00%		
· · ·	rten Baek	Q .417.4			100.00%			0.00%		0	0.00%		5			-
		Cast Votes:					0									
		Over Votes: Under Votes:		0	0.00% 0.00%		0	0.00%		0	0.00% 0.00%		0	0.00% 0.00%		
				Preci					oters							
			Counted	Tota		Percent	Ballots		gistered	Perce	nt					
			0	1012	58	0.00%	Danots	5	14,018		0.04%					
					_											
t Large - F	Regent of the University	of Colorado, Vote For 1 Dem	ocratic													
DEM	Alice Madden			25	100.00%		0	0.00%		0	0.00%		25	100.00%		_
		Cast Votes:	,	25	100.00%		0	0.00%		0	0.00%		25	100.00%		
		Over Votes:		0	0.00%		0	0.00%		0	0.00%		0	0.00%		
		Under Votes:		0	0.00%		0	0.00%		0	0.00%		0	0.00%		-
t Large - F	Regent of the University	of Colorado, Vote For 1 Rep	ublican													
REP	Heidi Ganahl			24	100.00%		0	0.00%		0	0.00%		24	100.00%		
		Cast Votes:	1.	24	96.00%		0	0.00%		0	0.00%		24	96.00%		
		Over Votes:		0	0.00%		0	0.00%		0	0.00%		0	0.00%		
		Under Votes:		1	4.00%		0	0.00%		0	0.00%		1	4.00%		

Cumulative Report — Official

Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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I & [
	er of Voters : 50 of 123,150			- LT		Precincts Reporting 0	of 2
Party	Candid	ate	Absentee	Early	Election	Total	
ongression	nal District 4 - Regent of the Uni	versity of Colorado, Vo	ote For 1 Democratic				
DEM	Bob Owens		3 100.00%	0 0,00%	0 0,00%	3 100 00%	
		Cast Votes:	3 100.00%	0 0.00%	0 0.00%	3 100,00%	
		Over Votes: Under Votes:	0 0.00%	0 0.00%	0 0.00%	0 0.00%	
		Officer votes.	0 0.00%	0 0.00%	0 0.00%	0 0,00%	
			Precincts	Voters	L Browns		
			Counted Total Percent	Ballots Registered 3 18,6			
					<u>'</u>		
•	nal District 4 - Regent of the Uni	versity of Colorado, Vo					
REP	Suzanne M. Sharkey		5 100.00%	0 0.00%	0 0.00%	5 100.00%	_
		Cast Votes:	5 100,00%	0 0.00%	0 0.00%	5 100.00%	
		Over Votes: Under Votes:	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	
		1	Precincts	Voters			
			Counted Total Percent	Ballots Registered	Percent		
			0 58 0.00%	5 14,0	0.04%		
District 17 -	State Senator, Vote For 1 Den	nocratic					
DEM	Matt Jones						
	Wiatt Julies		5 100.00%	0 0.00%	0 0.00%	5 100.00%	
	Matt Jones	Cast Votes:	5 100,00%	0 0.00%	0 0.00%	5 100.00%	_
	watt Julies	Cast Votes: Over Votes:		-			
	matt Julies		5 100.00%	0 0.00%	0 0.00%	5 100.00%	
	watt Julies	Over Votes:	5 100.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00%	5 100.00% 0 0.00%	***
	matt Julies	Over Votes:	5 100.00% 0 0.00% 0 0.00% Precincts Counted Total Percent	0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered	0 0.00% 0 0.00% 0 0.00%	5 100.00% 0 0.00%	
	matt Julies	Over Votes:	5 100.00% 0 0.00% 0 0,00% Precincts	0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered	0 0.00% 0 0.00% 0 0.00%	5 100.00% 0 0.00%	
	State Senator, Vote For 0 Rep	Over Votes: Under Votes:	5 100.00% 0 0.00% 0 0.00% Precincts Counted Total Percent	0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered	0 0.00% 0 0.00% 0 0.00%	5 100.00% 0 0.00%	
		Over Votes: Under Votes:	5 100.00% 0 0.00% 0 0.00% Precincts Counted Total Percent	0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered	0 0.00% 0 0.00% 0 0.00%	5 100.00% 0 0.00%	
	State Senator, Vote For 0 Rep	Over Votes: Under Votes:	5 100,00% 0 0,00% Precincts Counted Total Percent 0 94 0.00%	0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered 5 35,3	0 0.00% 0 0.00% 0 0.00% Percent	5 100.00% 0 0.00% 0 0.00%	
	State Senator, Vote For 0 Rep	Over Votes: Under Votes: publican	5 100.00% 0 0.00% Precincts Counted Total Percent 0 94 0.00%	0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered 5 35,3	0 0.00% 0 0.00% 0 0.00% 1 Percent 311 0.01%	5 100.00% 0 0.00% 0 0.00%	
	State Senator, Vote For 0 Rep	Over Votes: Under Votes: publican	5 100.00% 0 0.00% 0 0.00% Precincts Counted Total Percent 0 94 0.00% 0 0.00%	0 0.00% 0 0.00% 0 0.00%	0 0.00% 0 0.00% 0 0.00% 1 Percent 311 0.01% 0 0.00%	5 100.00% 0 0.00% 0 0.00%	

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Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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	Candio	date	Absentee	Early	Election	Total	
strict 18 -	State Senator, Vote For 1 Der	mocratic		7		- 1	
DEM	Stephen Fenberg		18 100.00%	0 0.00%	0 0.00%	18 100.00%	
		Cast Votes:	18 100.00%	0 0.00%	0 0.00%	18 100.00%	
		Over Votes: Under Votes:	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	
			Precincts	Voters			
			Counted Total Percent 0 128 0.00°	Ballots Registered % 18 49,4			
istrict 18 -	State Senator, Vote For 1 Rep	publican					0
REP	M. Peter Spraitz		16 100.00%	0 0.00%	0 0.00%	16 100.00%	
		Cast Votes:	16 100.00%	0 0.00%	0.00%	16 100.00%	
		Over Votes: Under Votes:	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	
			Precincts	Voters			
			Counted Total Percent	5 7 4 5 5 5 4	I Descript		
				Ballots Registered			
			0 128 0.00				
District 10 -	State Representative, Vote For	1 Democratic					
DEM	Angelique Espinoza	1 Democratic	0 128 0.00° 4 40.00%	% 16 12,3 0 0.00%		4 40,00%	
		1 Democratic	0 128 0.00	% 16 12,3	0.13%	4 40.00% 6 60.00%	_
DEM	Angelique Espinoza	1 Democratic Cast Votes:	0 128 0.00° 4 40.00%	0 0.00%	0 0.00%		
DEM	Angelique Espinoza		0 128 0.00° 4 40.00% 6 60.00%	0 0.00% 0 0.00%	0 0.00% 0 0.00%	6 60.00%	
DEM	Angelique Espinoza	Cast Votes: Over Votes:	0 128 0.00° 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09%	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00%	_
DEM	Angelique Espinoza	Cast Votes: Over Votes:	0 128 0.00° 4 40.00% 6 60.00% 10 90.91% 0 0.00%	0 0.00% 0 0.00% 0 0.00% 0 0.00%	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00%	_
DEM	Angelique Espinoza	Cast Votes: Over Votes:	0 128 0.00° 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09% Precincts	0 0.00% 0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00%	_
DEM DEM	Angelique Espinoza Edie Hooton	Cast Votes: Over Votes: Under Votes:	0 128 0.00 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09% Precincts Counted Total Percent	0 0.00% 0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00%	_
DEM DEM	Angelique Espinoza Edie Hooton State Representative, Vote For	Cast Votes: Over Votes: Under Votes:	0 128 0.00 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09% Precincts Counted Total Percent 0 59 0.00	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered 11 25,6	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00% 1 9.09%	_
DEM DEM	Angelique Espinoza Edie Hooton	Cast Votes: Over Votes: Under Votes: 0 Republican	0 128 0.00 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09% Precincts Counted Total Percent 0 59 0.000	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered 11 25,6	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00% 1 9.09% 0 0.00%	_
DEM DEM	Angelique Espinoza Edie Hooton State Representative, Vote For	Cast Votes: Over Votes: Under Votes:	0 128 0.00 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09% Precincts Counted Total Percent 0 59 0.00% 0 0.00%	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered 11 25,6	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00%	6 60.00% 10 90.91% 0 0.00% 1 9.09%	
DEM DEM	Angelique Espinoza Edie Hooton State Representative, Vote For	Cast Votes: Over Votes: Under Votes: 0 Republican	0 128 0.00 4 40.00% 6 60.00% 10 90.91% 0 0.00% 1 9.09% Precincts Counted Total Percent 0 59 0.000	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% Voters Ballots Registered 11 25,6	0 0.00% 0 0.00% 0 0.00% 0 0.00% 0 0.00% d Percent 522 0.04%	6 60.00% 10 90.91% 0 0.00% 1 9.09% 0 0.00%	

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Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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			Pag	e 5 of 7	06/02/2016 10:4
tal Numb	er of Voters : 50 of 123,156	= 0.04%			Precincts Reporting 0 of 233 =
Party	Candidat	te	Absentee	Early Election	Total
strict 11 -	State Representative, Vote For 1	Democratic			
DEM	Jonathan Singer		4 100.00%	0 0.00% 0 0.00	9% 4 100.00%
		Cast Votes:	4 100.00%	0 0.00% 0 0.00	9% 4 100.00%
		Over Votes: Under Votes:	0 0.00% 0 0.00%	0 0.00% 0 0.00 0 0.00% 0 0.00	
			Precincts	Voters	
			Counted Total Percent	Ballots Registered Percent	
			0 57 0.00	% 4 17,680 0.02%	
strict 11 -	State Representative, Vote For 1	Republican			
REP	Corey Piper		4 100.00%	0 0.00% 0 0.00	9% 4 100.00%
		Cast Votes:	4 80.00%	0 0.00% 0 0.00	9% 4 80.00%
		Over Votes:	0 0.00%	0 0.00% 0 0.00	
		Under Votes:	1 20.00%	0 0.00% 0 0.00	1 20.00%
			Precincts	Voters	
			Counted Total Percent 0 57 0.00	Ballots Registered Percent % 5 12,271 0.04%	
			0 0, 0.00	70 12,271 0,0770	
strict 12 -	State Representative, Vote For 1	Democratic			
DEM	Mike Foote		3 100.00%	0 0.00% 0 0.00	3 100.00%
		Cast Votes:	3 100.00%	0 0.00% 0 0.00	3 100.00%
		Over Votes:	0 0.00%	0 0.00% 0 0.00	0.00%
		Under Votes:	0 0.00%	0 0.00% 0 0.00	9% 0 0.00%
			Precincts	Voters	
			Counted Total Percent	Ballots Registered Percent	
			0 55 0.00	% 3 21,775 0.01%	
strict 12 -	State Representative, Vote For 1	Republican			
REP	Bob Dillon		3 100.00%	0 0.00% 0 0.00	% 3 100.00%
		Cast Votes:	3 60.00%	0 0,00% 0 0.00	% 3 60,00%
		Over Votes:	O 0.00%	0 0.00% 0 0.00	% 0 0.00%
		Under Votes:	2 40.00%	0 0.00% 0 0.00	% 2 40.00%
			Precincts	Voters	
			Counted Total Percent	Ballots Registered Percent	
			0 55 0.00	% 5 10,834 0.05%	

Cumulative Report — Official

Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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Party Candidate Absentee istrict 13 - State Representative, Vote For 1 Democratic DEM KC Becker 4 100.009 Cast Votes: 4 100.009 Over Votes: 0 0.009 Under Votes: 0 0.009	% o	0.00% 0.00% 0.00%	0 0,00% 0 0,00% 0 0,00%	4 100.00% 4 100.00%	
DEM KC Becker 4 100.009 Cast Votes: 4 100.009 Over Votes: 0 0.009 Under Votes: 0 0.009	% o	0.00%	0 0.00%		
Cast Votes: 4 100.009 Over Votes: 0 0.009 Under Votes: 0 0.009	% o	0.00%	0 0.00%		
Over Votes: 0 0.00% Under Votes: 0 0.00%	6 0	0.00%		4 100.00%	
Under Votes: 0 0.00%			0 0.00%		
Precincts		0.00%	0 0.00%	0 0.00% 0 0.00%	
1 recincts	II.	Voters			
Counted Total	Percent Ballots	Registered	Percent	*:	9
0 48	0.00%	4 17,946	0.02%		
istrict 13 - State Representative, Vote For 0 Republican					
No Candidate for Race 0 0.00%	6 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		Percent		
0 48	0.00%	0 3,248	0.00%		
vistrict 33 - State Representative, Vote For 1 Democratic					
DEM Matt Gray 3 100,009	% o	0.00%	0 0.00%	3 100.00%	
Cast Votes: 3 100.009	% 0 -	0.00%	0 0.00%	3 100.00%	
Over Votes: 0 0.009		0.00%	0 0.00%	0 0.00%	
Under Votes: 0 0.009		0.00%	0 0.00%	0 0.00%	
Precincts		Voters			
Counted Total	Percent Ballots	Registered	Percent		
0 14	0.00%	3 4,931	0.06%		
District 33 - State Representative, Vote For 1 Republican					=
REP Karen Nelson 2 100.00%	% o	0.00%	0 0.00%	2 100.00%	
Cast Votes: 2 100.009	% o	0.00%	0 0.00%	2 100.00%	
Over Votes: 0 0.00%	% 0	0.00%	0 0.00%	0 0.00%	
Under Votes: 0 0.009	% 0	0.00%	0 0.00%	0 0.00%	
Precincts		Voters			
Counted Total 0 14	Percent Ballots 0.00%	Registered	Percent 0.05%		

Cumulative Report — Official

Boulder County, Colorado — 2016 Boulder County Primary Election — June 28, 2016

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06/02/2016 10:41 AM

Total Number of Voters : 50 of 123,156 = 0.04%

Precincts Reporting 0 of 233 = 0.00%

otal Nulli	per of voters : 50 of 123, 156	- 0.0478							Reporting 0 of 2		
Party	ty Candidate		Absentee	Absentee		Early		Election		Total	
District Att	orney - 20th Judicial District, Vote	For 1 Democratic	**\ 								-
DEM	Stan Garnett		25 10	00.00%	0	0.00%	0	0.00%	25	100.00%	
		Cast Votes:	25 10	00.00%	0	0.00%	0	0.00%	25	100.00%	
		Over Votes: Under Votes:	0	0.00% 0.00%	0	0.00% 0.00%	0	0.00% 0.00%	0	0.00% 0.00%	
District Att	orney - 20th Judicial District, Vote	For 0 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 Co	mmissioner District 1, Vote For 1	Democratic									
DEM	Elise Jones		22 10	00.00%	0	0.00%	0	0.00%	22	100,00%	
		Cast Votes:	22	88.00%	0	0.00%	0	0.00%	22	88.00%	
		Over Votes: Under Votes:		0,00% 12.00%	0 0	0.00% 0.00%	0 0	0.00% 0.00%	0	0.00% 12.00%	
County Co	mmissioner District 1, Vote For 1	Republican									
REP	Kevin Sipple		23 10	00.00%	0	0.00%	0	0.00%	23	100,00%	
		Cast Votes:	23	92.00%	0	0.00%	0	0.00%	23	92.00%	
		Over Votes: Under Votes:	0 2	0.00% 8.00%	0 0	0.00% 0.00%	0 0	0.00% 0.00%	0 2	0.00% 8.00%	
County Co	mmissioner District 2, Vote For 1	Democratic									
DEM	Deb Gardner		23 10	00.00%	0	0,00%	0	0.00%	23	100.00%	
		Cast Votes:	23	92.00%	0	0.00%	0	0.00%	23	92.00%	
		Over Votes: Under Votes:	0 2	0,00% 8.00%	0 0	0.00% 0.00%	0 0	0.00% 0.00%	0 2	0.00% 8.00%	
County Co	mmissioner District 2, Vote For 1	Republican			· · · · · · · · · · · · · · · · · · ·				<u> </u>		
REP	Paul Danish		23 10	00.00%	0	0.00%	0	0.00%	23	100.00%	
		Cast Votes:	23	92.00%	0	0.00%	0	0.00%	23	92.00%	
		Over Votes: Under Votes:	0 2	0.00% 8.00%	0	0.00% 0.00%	0 0	0.00% 0.00%	0 2	0.00% 8.00%	

DRE Results

Test Board Member #1

Test Board Member #2

Cumulative Results

	MVW	Machine		MVW	Machine		MVW	Machine	
Contests	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference
United States Senator - DEM								1000	
Michael Bennet	25	25	0	0	0	0	25	25	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
United States Senator - REP									
Darryl Glenn	0	0	0	8	8	0	8	8	0
Ryan L. Frazier	0	0	0	3	3	0	3	3	0
Robert Blaha	0	0	0	3	3	0	3	3	0
Jack Graham	0	0	0	2	2	0	2	2	0
Jon Keyser	0	0	0	4	4	0	4	4	0
Jerry Eller (W)	0	0	0	2	2	0	2	2	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	3	3	0	3	3	0
District 2 - Rep 115th US Congress - DEM									
Jared Polis	18	18	0	0	0	0	18	18	0
Steven Todd (W)	2	2	0	0	0	0	2	2	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	2	2	0	0	0	0	2	2	0
District 2 - Rep 115th US Congress - REP						2 L - L 2		A megani	
Nicholas Morse	0	0	0	18	18	0	18	18	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	2	2	0
District 4 - Rep 115th US Congress - DEM									
Bob Seay	3	3	0	0	0	0	3	3	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
District 4 - Rep 115th US Congress - REP						The same of	La de la		
Ken Buck	0	0	0	5	5	0	5	5	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0

2016 Primary Election Logic Accuracy Test:

Cumulative Results Comparison

	MVW	Machine		MVW	Machine		MVW	Machine	
Contests	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference
At Large - Regent of CU - DEM							DEDE		
Alice Madden	25	25	0	0	0	0	25	25	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
At Large - Regent of CU - REP									
Heidi Ganahl	0	0	0	24	24	0	24	24	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	1	1	0	1	1	0
CD 4 - Regent of CU - DEM		1-47	4 3 5 00	13 14 16			Want !		
Bob Owens	3	3	0	0	0	0	3	3	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	. 0	0	0	0	0	0	0
CD 4 - Regent of CU - REP									
Suzanne M. Sharkey	0	0	0	5	5	0	5	5	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
State Senator - District 17 - DEM			ac mek					i ev iĝi usi	
Matt Jones	5	5	0	0	0	0	5	5	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
State Senator - District 17 - REP	SOLI ELEKT								
No Candidate for Race	0	0	0	0	0	0	0	0	0
State Senator - District 18 - DEM									
Stephen Fenberg	18	18	0	0	0	0	18	18	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
State Senator - District 18 - REP					***		W. 1115		
M. Peter Spraitz	0	0	0	16	16	0	16	16	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0

Contests State Representative - Distr	ict 10 - DFM
Angelique Espinoza	ICC TO DEIVI
Edie Hooton	
Overvote	
Undervote	
State Representative - Distr	ict 10 - REP
No Candidate for Race	
State Representative - Distr	ict 11 - DEM
Jonathan Singer	
Overvote	
Undervote	
State Representative - Distr	ict 11 - REP
Corey Piper	
Overvote	
Undervote	
State Representative - Distr	ict 12 - DEM
Mike Foote	
Overvote	
Undervote	
State Representative - Distr	ict 12 - REP
Bob Dillon	
Overvote	
Undervote	
State Representative - Distr	ict 13 - DEM
KC Becker	
Overvote	
Undervote	
State Representative - Distr	ict 13 - REP
No Candidate for Race	

MVW	Machine	
Total	Total	Differenc
4	4	0
6	6	0
0	0	0
1	1	0
0	0	0
	hen H	
4	4	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
3	3	0
0	0	0
0	0	0
	(CHI)	
0	0	0
0	0	0
0	0	0
4	4	0
0	0	0
0	0	0
		BEET!
0	0	0

MVW		
Total	Total	Difference
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
4	4	0
0	0	0
1	1	0
0	0	0
0	0	0
0	0	0
3	3	0
0	0	0
2	2	0
0	0	0
0	0	0
0	0	0
0	0	0

MVW	W Machine						
Total	Total	Difference					
4	4	0					
6	6	0					
0	0	0					
1	1	0					
0	0	0					
4	4	0					
0	0	0					
0	0	0					
4	4	0					
		-					
	0	0					
3	3	0					
0	0	0					
0	0	0					
3	3	0					
0	0	0					
2	2	0					
4	4	0					
0	0	0					
0	0	0					
0	0	0					

	MVW	Machine		MVW	Machine		MVW	Machine	
Contests	Total	Total	Difference	Total	Total	Difference	Total	Total	Difference
State Representative - District 33 - DEM						KET CERNIER E			
Matt Gray	3	3	0	0	0	0	3	3	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
State Representative - District 33 - REP						× 2,51 ,151		- 45 - 15 TA	
Karen Nelson	0	0	0	2	2	0	2	2	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
District Attorney - 20th - DEM		1 4 5					1000		
Stan Garnett	25	25	0	0	0	0	25	25	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	0	0	0	0	0	0
District Attorney - 20th - REP			S. C. L.		the season of				
No Candidate for Race	0	0	0	0	0	0	0	0	0
County Commissioner District 1 - DEM		AND BY E							
Elise Jones	22	22	0	0	0	0	22	22	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	3	3	0	0	0	0	3	3	0
County Commissioner District 1 - REP		J. 31516							
Kevin Sipple	0	0	0	23	23	0	23	23	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	2	2	0
County Commissioner District 2 - DEM					A STATE OF				
Deb Gardner	23	23	0	0	0	0	23	23	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	2	2	0	0	0	0	2	2	0
County Commissioner District 2 - REP									
Paul Danish	0	0	0	23	23	0	23	23	0
Overvote	0	0	0	0	0	0	0	0	0
Undervote	0	0	0	2	2	0	2	2	0