



November 12, 2012

Colorado Secretary of State  
Attention: Voting Systems Specialist  
1700 Broadway – Suite 270  
Denver CO 80290

To Whom It May Concern:

Pursuant to Colorado Revised Statutes 1-7-514 and Secretary of State Rule 11.5.4, please find attached:

- Post-Election Audit – Central Count AccuVote-OS Procedures
- Post-Election Audit – AccuVote TSx Procedures
- Post-Election Audit form provided by Secretary of State
- Voting System Security – Incident Report

Please contact our office if you have any questions regarding the Post-Election Audit information provided to you.

Sincerely,

**SCOTT DOYLE**  
Larimer County Clerk and Recorder

A handwritten signature in cursive script that reads "Doreen Bellfy".

**Doreen Bellfy**  
Elections Manager

enclosures

**STATE OF COLORADO**  
**Department of State**

1700 Broadway, Suite 200  
Denver, CO 80290



**Scott Gessler**  
**Secretary of State**

**Judd Choate**  
**Director, Elections**

**2012 General Election Post-Election Audit**

**November 8, 2012**

**Scott Doyle, Larimer County Clerk and Recorder**

Pursuant to Section 1-7-514, C.R.S., Election Rule 11, and the vendor specific Conditions for Use, the attached report provides guidance for completing the post-election audit.

The following information is to be used to resolve issues that arise from the selection of devices and races by the Secretary of State's office:

If a device was identified as being available for use but did not have any votes cast on it, please indicate the status as "NO VOTES" in the field for Device Count and Manual/Hand Count.

If backup equipment was selected for the audit contact the Secretary of State's Office.

If any polling place scanner or DRE has votes on it, but any of the races selected for audit do not appear on the device, contact the Secretary of State's Office.

If a central count or vote center scanner has votes on it, but the races selected for audit do not appear in the ballots chosen by the canvass board, then the canvass board must continue to randomly select ballots until all races can be audited.

The report must be signed by the canvass board members and the designated election official. e-mail the completed and signed report to [voting.systems@sos.state.co.us](mailto:voting.systems@sos.state.co.us) no later than 5:00 p.m. on November 23<sup>rd</sup>, 2012.

Please contact the following staff for additional assistance:

- Danny Casias  
(303) 894-2200 ext. 6356  
[danny.casias@sos.state.co.us](mailto:danny.casias@sos.state.co.us)
- Jerome Lovato  
(303) 894-2200 ext. 6355  
[jerome.lovato@sos.state.co.us](mailto:jerome.lovato@sos.state.co.us)

## 2012 General Election Post-Election Audit Larimer County:

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Goode Jr. / Clymer	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Obama / Biden	OK 9 L 9	OK 9 L 9
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Romney / Ryan	OK 15 L 15	OK 15 L 15
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Johnson / Gray	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Stein / Honkala	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Alexander / Mendoza	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Anderson / Rodriguez	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Barr / Sheehan	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Harris / Kennedy	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Hoefling / Ellis	OK 0 L 0	OK 0 L 0
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	La Riva / Ramirez Jr.	OK 0 L 0	OK 0 L 0

## 2012 General Election Post-Election Audit Larimer County:

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Miller / Bertram	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Reed / Cary	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Stevens / Link	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Titile / Turner	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	White / Scherrer	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273682	Presidential Electors	Write-In	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	272732	Larimer County Public Improvement District Referred Issue 5D	Yes	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	272732	Larimer County Public Improvement District Referred Issue 5D	No	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	272732	District Attorney - 8th Judicial District	Riedel	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273400	Larimer County Public Improvement District Referred Issue 5C	Yes	OK 1000	OK 1000
DRE	Premier / AccuVote-TSX	273400	Larimer County Public Improvement District Referred Issue 5C	No	OK 1000	OK 1000

## 2012 General Election Post-Election Audit Larimer County:

Larimer County							Machine Count	Manual/Hand Count
Type	Make / Model	Serial #	Contest Name to Audit	Candidate				
DRE	Premier / AccuVote-TSX	273400	State Senate - District 14	Kefalas	OK	OK	OK	
DRE	Premier / AccuVote-TSX	273400	State Senate - District 14	Anderson	OK	OK	OK	
DRE	Premier / AccuVote-TSX	273400	State Senate - District 14	Johnston	OK	OK	OK	
DRE	Premier / AccuVote-TSX	273400	State Senate - District 14	Rothe	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	State Representative - District 51	Shaffer	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	State Representative - District 51	DelGrosso	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	State Representative - District 51	Renker	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	County Judge, Larimer - Rand	Yes	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	County Judge, Larimer - Rand	No	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	District Judge - 8th Judicial District - Williams	Yes	OK	OK	OK	
CCOS	Premier / AccuVote-OS	74177	District Judge - 8th Judicial District - Williams	No	OK	OK	OK	

## 2012 General Election Post-Election Audit Larimer County

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Booras	Yes	OK 315	OK 315
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Booras	No	OK 132	OK 132
CCOS	Premier / AccuVote-OS	74177	State Board of Education - Congressional District 2	Schroeder	OK 276	OK 276
CCOS	Premier / AccuVote-OS	74177	State Board of Education - Congressional District 2	Fattor	OK 243	OK 243
CCOS	Premier / AccuVote-OS	74177	State Board of Education - Congressional District 2	Cottrell	OK 33	OK 33
CCOS	Premier / AccuVote-OS	74177	Regent of the University of Colorado - At Large	Ludwig	OK 261	OK 261
CCOS	Premier / AccuVote-OS	74177	Regent of the University of Colorado - At Large	Belmont	OK 11	OK 11
CCOS	Premier / AccuVote-OS	74177	Regent of the University of Colorado - At Large	Davidson	OK 330	OK 330
CCOS	Premier / AccuVote-OS	74177	Regent of the University of Colorado - At Large	Ong	OK 36	OK 36
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Miller	Yes	OK 244	OK 244
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Miller	No	OK 139	OK 139

## 2012 General Election Post-Election Audit Larimer County:

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
CCOS	Premier / AccuVote-OS	74177	Amendment S (Constitutional)	Yes	OK 296	OK 296
CCOS	Premier / AccuVote-OS	74177	Amendment S (Constitutional)	No	OK 225	OK 225
CCOS	Premier / AccuVote-OS	74177	Town of Berthoud Initiated Question 300	Yes	OK 11	OK 11
CCOS	Premier / AccuVote-OS	74177	Town of Berthoud Initiated Question 300	No	OK 129	OK 129
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Casebolt	Yes	OK 107	OK 107
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Casebolt	No	OK 105	OK 105
CCOS	Premier / AccuVote-OS	74177	City of Fort Collins Initiated Question 301	For The Ordinance	OK 107	OK 107
CCOS	Premier / AccuVote-OS	74177	City of Fort Collins Initiated Question 301	Against The Ordinance	OK 105	OK 105
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Taubman	Yes	OK 128	OK 128
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Taubman	No	OK 128	OK 128

## 2012 General Election Post-Election Audit Larimer County:

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
CCOS	Premier / AccuVote-OS	74177	Larimer County Public Improvement District Referred Issue 5B	Yes	0	0
CCOS	Premier / AccuVote-OS	74177	Larimer County Public Improvement District Referred Issue 5B	No	1	1
CCOS	Premier / AccuVote-OS	74177	City of Loveland Councilor Ward 4	Clark	21	21
CCOS	Premier / AccuVote-OS	74177	City of Loveland Councilor Ward 4	Mueller	25	35
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Graham	Yes	281	281
CCOS	Premier / AccuVote-OS	74177	Court of Appeals - Graham	No	14	74
CCOS	Premier / AccuVote-OS	74177	Representative to the 113th United States Congress - District 2	Lundberg	217	217
CCOS	Premier / AccuVote-OS	74177	Representative to the 113th United States Congress - District 2	Polis	371	371
CCOS	Premier / AccuVote-OS	74177	Representative to the 113th United States Congress - District 2	Luallin	21	21
CCOS	Premier / AccuVote-OS	74177	Representative to the 113th United States Congress - District 2	Hall	19	19

*Handwritten notes and signatures:*  
 Machine Count: 0, 1, 21, 25, 281, 14, 217, 371, 21, 19  
 Manual/Hand Count: 0, 1, 21, 35, 281, 74, 217, 371, 21, 19  
 Initials: [Handwritten initials and signatures]

## 2012 General Election Post-Election Audit Larimer County:

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
CCOS	Premier / AccuVote-OS	74177	St. Vrain Valley School District RE-1J Ballot Issue 3A	Yes	0	3
CCOS	Premier / AccuVote-OS	74177	St. Vrain Valley School District RE-1J Ballot Issue 3A	No	0	0
CCOS	Premier / AccuVote-OS	74177	Amendment 65 (Constitutional)	Yes	433	433
CCOS	Premier / AccuVote-OS	74177	Amendment 65 (Constitutional)	No	134	134
CCOS	Premier / AccuVote-OS	74177	County Judge, Larimer - Carney	Yes	306	306
CCOS	Premier / AccuVote-OS	74177	County Judge, Larimer - Carney	No	111	111
CCOS	Premier / AccuVote-OS	74177	Larimer County Public Improvement District Referred Issue SE	Yes	0	0
CCOS	Premier / AccuVote-OS	74177	Larimer County Public Improvement District Referred Issue SE	No	1	1
CCOS	Premier / AccuVote-OS	74177	District Judge - 8th Judicial District - Odell	Yes	306	306
CCOS	Premier / AccuVote-OS	74177	District Judge - 8th Judicial District - Odell	No	132	132

## 2012 General Election Post-Election Audit Larimer County:

Larimer County						
Type	Make / Model	Serial #	Contest Name to Audit	Candidate	Machine Count	Manual/Hand Count
CCOS	Premier / AccuVote-OS	74177	County Judge, Larimer - Schultz	Yes	253 OKG	253 OKG
CCOS	Premier / AccuVote-OS	74177	County Judge, Larimer - Schultz	No	183 OKG	183 OKG
CCOS	Premier / AccuVote-OS	74177	County Commissioner - District 2	Johnson	385 OKG	385 OKG
CCOS	Premier / AccuVote-OS	74177	Justice of the Colorado Supreme Court - Coats	Yes	300 OKG	300 OKG
CCOS	Premier / AccuVote-OS	74177	Justice of the Colorado Supreme Court - Coats	No	151 OKG	151 OKG
CCOS	Premier / AccuVote-OS	74177	County Commissioner - District 3	Donnelly	218 OKG	218 OKG
CCOS	Premier / AccuVote-OS	74177	County Commissioner - District 3	Stockley	281 OKG	281 OKG
CCOS	Premier / AccuVote-OS	74177	Loveland Rural Fire Protection District Ballot Issue SF	Yes	26 OKG	26 OKG
CCOS	Premier / AccuVote-OS	74177	Loveland Rural Fire Protection District Ballot Issue SF	No	12 OKG	12 OKG
CCOS	Premier / AccuVote-OS	74177	State Representative - District 53	Fye	39 OKG	39 OKG
CCOS	Premier / AccuVote-OS	74177	State Representative - District 53	Fischer	79 OKG	79 OKG



**2012 General Election Post-Election Audit  
Larimer County:**

NOTE: if there is a complaint or a discrepancy between the manual tallies of each voting device and the corresponding tallies recorded by each voting device Section 1-7-514(2)(c), C.R.S., requires the canvass board and the county clerk and recorder to promptly report to the Secretary of State a description of the audit process used, including any initial, interim, and final results of the completed audit.

Designated Election Official:

Doreen Booley  
Signature Elections Manager  
Date 11-13-12

Doreen Booley  
Written Name

Canvass Board Member:

William I. Russell  
Signature  
Date 11.13.12

William I. Russell  
Written Name

Canvass Board Member:

Janet Swell  
Signature  
Date 11-13-12

Janet Swell  
Written Name

Provide additional pages and names as necessary.

## VOTING SYSTEM SECURITY – INCIDENT REPORT

### LARIMER COUNTY 2012 General Election November 6, 2012

Pursuant to section 43.8.11.4 of the Security Procedures for Electronic Voting Systems ( Secretary o f S tate R ule 4 3), ea ch c ounty is r equired t o s ubmit a statement to the Secretary of State's office addressing the existence or absence of any security issues related to the county's use of voting equipment.

By checking this box, we are representing that our county **DOES NOT** have any security related incidents to report with the use of our voting equipment for the 2012 General Election.

By checking this box, we are representing that our county **DOES** have security related incidents to report with the use of our voting equipment for the 2012 General Election and we will be attaching incident reports to this document.

Doreen Bellfy  
Authorized Signature

11-13-12  
Date

DOREEN BELLFY  
Printed Name

# **LARIMER COUNTY PROCEDURES**

## **SUBJECT: POST-ELECTION AUDIT – CENTRAL COUNT ACCUVOTE-OS**

**Last Update Date:** July 16, 2012  
**Last Updated By:** Stephen Gentry  
**Due for Review:** Annually  
**Filed Under:** Voting System

### **Procedure Background:**

After an election, to ensure that votes were accurately recorded and tabulated by the Central Count AccuVote-OS, a random audit must be performed.

### **Reason for Procedure:**

- C.R.S. 1-7-514
- SOS Rule 11.5.4
- SOS Conditions for Use:
  - Premier Central Count Scanner (2.0.12) Condition 4

### **Supplies/Resources Needed:**

- Counted ballots
- Post-Election Audit form from SOS  
Forms/Labels: S:\Elections\ACCUVOTE\_GEMS\AccuVote Testing\InventoryDatabase\EquipmentInventory.accdb
  - Canvass Board Oath
  - Audit Labels for Voted Ballot Retention Box (Avery 5163)
  - Cover Letter to SOS
  - Hand Tally Sheets (OS)
  - Races to Audit per AccuVote
  - Voting System Security – Incident Report for SOS
  - Batch Audit Reports for the boxes of ballots selected
- Scratch Paper
- Pens
- Rubber Bands
- Rubber Fingers
- Paper Clips
- Calculators
- Audit Materials Storage Box
- Tape Seals (red and blue)
- Combo Seals (wire)
- Generic Tape Seals
- Wire Clippers
- Scissors
- Post-it Notes
- Timesheets
- Name Tags

**File Path:**

S:\Elections\PROCEDURES\Voting System\Final\Post-Election Audit - Central Count AccuVote-OS.docx

**What does a person need to know before completing this procedure?**

How to record votes on a tally sheet:

**How long does this procedure take to complete?**

1-2 days; depends on how many ballots there are to verify

**When does this procedure take place?**

- The SOS will select the AccuVotes and the races to be audited within 48 hours of the close of polls on election night.
- Upon completion of the audit, the results must be reported to the SOS no later than 5:00 pm on the last day of the canvass.

## Steps to complete procedure:

### Preparation – Post-Election

This section is performed by county staff and does not need to be observed by the Canvass Board.

1. Randomly select the Central Count OS units to be audited.  
(Performed by the SOS)
2. Randomly select the races to be audited on each OS unit.  
(Performed by the SOS)
3. Retrieve the selected OS units.
4. Obtain a list of all of the boxes and quantities of voted ballots for each selected OS unit (get this info from the Audit Database).
5. Determine the number of ballots that need to be audited using the chart from Premier Central Count Scanner Condition (2.0.12) 4b:

Total # of Ballots Counted on Device:	Total # of Ballots to audit:	# of errors requiring escalation:
150,000 to 500,000	1,250	6
35,001 to 150,000	800	4
10,001 to 35,000	500	3
3,201 to 10,000	315	2
1,201 to 3,200	200	2
501 to 1,200	125	2
281 to 500	80	1
151 to 280	50	1
91 to 150	32	1
51 to 90	20	1
26 to 50	13	1
16 to 25	8	1
9 to 15	5	1
1 to 8	3 or 100% if less than 3	1

Device = An individual AccuVote

6. Modify the Hand Tally sheets so that only the races selected to audit on that OS unit appear.
7. Print two Hand Tally sheets for each bundle to be audited.
8. Save the Central Count Status Report by Race from the GEMS Admin Reports menu as an .xls file
9. Find the races chosen and select decks that counted those races
  - a. Select decks that counted multiple chosen races
10. Select boxes that contain the selected decks using the Audit Database counting module for that year
11. Print the Audit DB balance form information

## **Audit**

The audit process must be observed by at least two (2) members of the Canvass Board. C.R.S. 1-7-514(4); SOS Rule 11.5.4.8

The number of audit teams depends on the number of ballots to audit. An audit team will be comprised of four (4) people representing both major parties.

## **Hand Tally**

This section is performed by the audit teams.

1. Record the Bundle Letter from the Ballot Bundle document on the Hand Tally Sheet.

# Ballot Bundle

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Bundle Letter

2. Count and record the number of ballots in the bundle on the Hand Tally Sheet.
3. Record the Box # that the batch came out of on the Hand Tally Sheet.
4. Record the AccuVote that originally counted the batch on the Hand Tally Sheet.
5. Manually tally all of the votes for the selected races in each bundle on a new hand tally sheet:
  - a. Using Hand Tally sheets, an audit team will manually tally all of the votes for each race on each ballot.
  - b. Marking Judges direct the pace by calling out the next race on their hand tally sheet to the reading judges
  - c. Two judges will read the votes for that race while the other two judges mark the tally sheets.

						Hand Count Total	Unit Total	
Governor	John Hickenlooper							
	Den Maes							
	Scott McInnis							
	Dan "Kilo" Sallis							
	Jaimes Brown							
	Under-Vote							
	Over-Vote							
	Race Not On Ballot							
	Total Votes							

- d. Marking judges will also record undervotes, overvotes, and the number of times the selected races are not on the ballot.
- i. Undervotes – one tally mark for each undervote in a race:
    1. Vote for ONE – (example: Reader says "Undervote", Marker marks 1 tally for Undervote)
    2. Vote for MORE THAN ONE – (example: Reader says "Candidate 1, Undervote, Undervote", Marker marks 1 tally for Candidate 1 and 2 tallies for Undervote)
  - ii. Overvoted Race – one tally mark for the ENTIRE RACE (example: Reader says "Overvoted Race", Marker marks ONE tally for Overvoted Race NOT a mark for each overvote)
  - iii. Race Not On Ballot – self explanatory
- e. When the marking judges get 5 tallies in a box, they will say "Tally" – If both judges do not have a tally, they will find the error and correct it. Use a new tally sheet if necessary.
- f. If a judge puts a tally in the wrong place, they will place a dot above it to show it is a mistake. When that race gets another vote, the judge will connect the dot to the tally mark.
- g. When a Bundle is completed:
  - i. The marking judges will produce a total for each candidate in the Hand Tally column then sum the votes to produce a total for the race at the bottom of the column (votes + undervotes + overvotes + race not on ballot).

- ii. Verify that both judges' numbers match.
  - iii. Hand in the completed hand tally sheet.
  - iv. Start a new Hand Tally Sheet for the next bundle.
6. The Audit Team will repeat steps 2-6 for each bundle.
  7. Once all bundles are hand tallied sum the batches on the Google Docs Master form linked in the Equipment DB

**Central Count** (As bundles in a box are hand tallied)

1. County Staff will load a copy of the GEMS election database and print a Zero Report. The audit team will verify all zeros on the report.
2. Audit team counts the ballots:
  - a. Using the original AccuVote-OS unit that processed the ballots during the election.
    - i. One member of the audit team will feed a Start Card through the AccuVote.
    - ii. That same member will then feed one bundle through the AccuVote at a time to create a deck of 25.
    - iii. The other audit team member will catch the ballots as they come out of the AccuVote, ensuring that each ballot lands on top of the stack of ballots in the output area at the back of the machine.
    - iv. Once all of the ballots in the deck have been processed, an Ender Card will be fed through the AccuVote.
    - v. Print an Election Summary Report for each deck before the next is started.
    - vi. Have another team verify the results against that bundle's hand tally.
3. Repeat step 2 for all decks.
4. County Staff will print a final Election Summary Report for all of the Ballots.
5. The Audit Team will record the vote totals from the Election Summary Report on the Master Hand Tally sheet under the Unit Total column.
  - a. If the hand tallies and the results report match:
    - i. The ballots, Hand Tally sheets, and Elections Summary Report will be placed in the original ballot retention box and sealed and secured with the other official election records for the election at the end of the audit.
  - b. If the hand tally and the results report do not match, follow these procedures:
    - i. SOS Rule 11.5.4.9:
      1. County Staff will create as many copies of the database as there are decks.

2. Within each copy of the database all decks except the one in question will be deleted.
  3. The audit team will manually verify the results for each batch as many times as necessary to confirm that there is no discrepancy in the manual count;
  4. Take any additional steps as necessary to check for voter error, which shall include but not be limited to: over-votes, stray marks on the ballot, or other voter intent indicia; and
  5. Review the situation and take action as necessary in accordance with the canvass board's powers as set forth in 1-10-1, C.R.S.
6. The Canvass Board will certify the audit results and sign the audit report.
  7. Upon completion of the audit, report results and a description of the audit process to the SOS no later than 5:00 pm on the last day of the canvass, by means set forth in SOS Rules 11.5.4.11 & 11.5.4.12:
    - a. Include the following:
      - i. Post-Election Audit form provided by the SOS; signed and sealed:

STATE OF COLORADO Department of State 1700 Broadway, Suite 270 Denver, CO 80202		Mike Coffman Secretary of State J. Wayne Munster D. Acting Director, Election					
Attn: <b>Scott Doyle</b> County Clerk and Recorder		COUNTY: <b>LARIMER</b>					
<b>2008 Post Election Audit</b>							
The following table lists the EQUIPMENT that has been randomly selected for auditing:							
Equipment	Type	Model	Serial	Manufacturer/Model	Manufacturer Name	Manufacturer Model	Current Status
AccuVote	OS	Early	74166	County of Arapahoe - Perimeter	No		
TRC	DRE	Early Voting	274164	County Judge, Larimer County	No		
TRC	DRE	Election Day	273677	State Senator - District 52	Ballot		
TRC	DRE	Election Day	273983	State Senator - District 53	Galaxy		
TRC	DRE	Election Day	273683	State Senator - District 51	Falcom		
TRC	DRE	Election Day	273744	District Attorney - 7th Judicial District	Abolitionist		
TRC	DRE	Early Voting	274164	County Commissioner - District 2	Johnson		
TRC	DRE	Early Voting	274164	County Commissioner - District 2	Edwards		
AccuVote	OS	Mail-In	74172	County Commissioner - District 3	Dowdle		
AccuVote	OS	Mail-In	74172	County Commissioner - District 3	Hoffmann		
AccuVote	OS	Early	74152	Judge of the Colorado Superior Court - End	Yes		
AccuVote	OS	Early	74152	Judge of the Colorado Superior Court - End	No		
AccuVote	OS	Election Day	74185	State Senator - District 51	Marcora		
AccuVote	OS	Election Day	74192	Judge of the Colorado Superior Court - Hobbs Jr	No		

# Voting System Security – Incident Report; signed:



Larimer County Clerk and Recorder

SCOTT DOYLE  
CLERK & RECORDER

## VOTING SYSTEM SECURITY – INCIDENT REPORT

LARIMER COUNTY  
2008 GENERAL ELECTION  
NOVEMBER 4, 2008

Pursuant to section 43-5-114 of the Security Procedures for Electronic Voting Systems (Secretary of State Rule 43), each county is required to submit a statement to the Secretary of State's office addressing the existence or absence of any security issues related to the county's use of voting equipment.

By checking this box, we are representing that our county **DOES NOT** have any security related incidents to report with the use of our voting equipment for the 2008 General Election.

By checking this box, we are representing that our county **DOES** have security related incidents to report with the use of our voting equipment for the 2008 General Election and we will be submitting incident reports to this date sheet.

*[Signature]*  
Authorized Signature

8/17/2010  
Date

*[Signature]*  
Project Name

Scott Doyle  
Larimer County Clerk and Recorder

Doreen Bellify  
Larimer County Clerk and Recorder

Debra L. Smith  
Larimer County Clerk and Recorder

Debra L. Smith  
Larimer County Clerk and Recorder

Debra L. Smith  
Larimer County Clerk and Recorder

## ii. Cover Letter:

August 16, 2010

Colorado Secretary of State  
Attention: Voting Systems Specialist  
1700 Broadway – Suite 270  
Denver, CO 80290

To Whom It May Concern:

Pursuant to Colorado Revised Statutes 1-7-514 and Secretary of State Rule 11.5.4, please find attached:

- Post-Election Audit – Central Count AccuVote-OS Procedures
- Post-Election Audit – AccuVote ISx
- Post-Election Audit form provided by Secretary of State
- Audit Board Oath
- Voting System Security – Incident Report

Please contact our office if you have any questions regarding the Post-Election Audit information provided to you.

Sincerely,

SCOTT DOYLE  
Larimer County Clerk and Recorder

*[Signature]*  
Doreen Bellify  
Elections Manager

enclosure

- iii. A copy of these procedures.
- b. Scan all forms into a .pdf file.

- i. Save the file to the following location:  
S:\Elections\ACCUVOTE\_GEMS\AccuVote  
Testing\InventoryDatabase\Post Election Audit\ "Year"
- i. Name the file "Audit Results and Procedures"
- ii. Email the file to [voting.systems@sos.state.co.us](mailto:voting.systems@sos.state.co.us);  
Subject line = County Number, County Name, POST-  
ELECTION AUDIT.
- iii. Place the paper forms in the Audit file located in the  
Equipment Auditor's desk.

# LARIMER COUNTY PROCEDURES

## SUBJECT: POST-ELECTION AUDIT – ACCUVOTE-TSX

**Last Update Date:** June 8, 2012

**Last Updated By:** Stephen Gentry

**Due for Review:** Annually

**Filed Under:** Voting System

### Procedure Background:

After an election, to ensure that votes were accurately recorded and tabulated by the AccuVote-TSx, a random audit must be performed.

### Reason for Procedure:

- C.R.S. 1-7-514
- SOS Rule 11.5.4

### Supplies/Resources Needed:

- AccuVote-TSx units to be audited (chosen by SOS)
- All V-VPAT canisters from the selected TSx units
- Election night results tapes from the selected TSx units
- Completed AccuVote-TSx Election Seal Logs for the selected TSx units
- Post-Election Audit form from SOS
- Forms/Labels:
  - S:\Elections\ACCUVOTE\_GEMS\AccuVote
  - Testing\InventoryDatabase\EquipmentInventory.accdb
    - Canvass Board Oath
    - Cover Letter to SOS
    - Hand Tally Sheets (TSx)
      - Canister
      - Canister Totals
    - Races to Audit per AccuVote
    - TSx Canister Seal Logs (Audit)
    - Voting System Security – Incident Report
- Digital Camera
- Scratch Paper
- Pens
- Rubber Bands
- Paper Clips
- Calculators
- Tape Seals (red and blue)
- Spring-Lock Seals
- Combo Seals (wire)
- Clippers
- Scissors
- Post-it Notes

- Timesheets
- Name Tags

**File Path:**

S:\Elections\PROCEDURES\Voting System\Final\Post-Election Audit -  
AccuVote-TSx.docx

**What does a person need to know before completing this procedure?**

- How to perform a hand tally



**How long does this procedure take to complete?**

1-2 days; depends on the number of TSx units to audit

**When does this procedure take place?**

- The SOS will select the AccuVote-TSx units to be audited and the races to be verified on each unit within 48 hours of the close of polls on election night.
- Upon completion of the audit, the results must be reported to the SOS no later than 5:00 pm on the last day of the canvass board.

## Steps to complete procedure:

### Preparation – Post-Election

This process is internal and does not need to be observed by the Canvass Board.

1. Randomly select the TSx units to be audited.  
(Performed by the SOS)
2. Randomly select the races to be audited on each TSx unit.  
(Performed by the SOS)
3. Retrieve the selected TSx units.
4. Retrieve all of the V-VPAT canisters for each selected TSx unit.
5. Modify the Hand Tally sheets so that only the races selected to audit on a TSx unit appear on the hand tally sheet for that selected TSx unit.

### Audit

The audit process must be observed by at least two (2) members of the Canvass Board. C.R.S. 1-7-514(4); SOS Rule 11.5.4.8

Each selected TSx unit will be audited by one (1) audit team. The audit team will be comprised of four (4) people representing both major parties.

### Hand Tally

This section is performed by the audit teams.

1. Verify the Trusted Build on the selected TSx units:
  - a. Turn the unit on. Once the unit has initiated, touch the umbrella icon in the lower right corner of the screen;
  - b. In the window that appears, verify that the File Signature = **b18ab70141bcceff251469e0e45dfefb**;
  - c. Take a digital picture of the screen that includes the file signature and TSx serial number. Verify that the picture is in focus.
2. Manually tally all of the votes for the selected races in each canister for the first TSx unit:
  - a. Unseal and open the first canister.
    - i. Fill out an AccuVote-TSx Canister Seal Log (Audit). The form has room for six (6) canisters. Place the broken canister seal in the Audit Materials Storage Box.

LARIMER COUNTY CLERK AND RECORDER						
Primary Election - August 10, 2010						
POST-ELECTION AUDIT						
ACCUVOTE-TSX CANISTER SEAL LOG						
AccuVote-TSx Serial #:			DATE:			
Canister #	START			Signature (2)		
	END			Signature (2)		
	START			Signature (2)		
	END			Signature (2)		

- b. Using Hand Tally Sheets, the audit team will manually tally all of the votes for the selected races in the first canister. Two judges will read the votes while the other two judges mark the tally sheets.
- c. Each canister requires new hand tally sheets

Canister #:	# of Ballots:	AccuVote-TSx #:
Andrew Romanoff		
Michael F. Bennet		
Ken Buck		

- d. Marking judges will also record undervotes and the number of times the selected races are not on the ballot.
  - i. Undervotes – one tally mark for each undervote in a race:
    1. Vote for ONE – (example: Reader says "Undervote", Marker marks 1 tally for Undervote)
    2. Vote for MORE THAN ONE – (example: Reader says "Candidate 1, Undervote, Undervote", Marker marks 1 tally for Candidate 1 and 2 tallies for Undervote)
  - ii. Race Not On Ballot – self explanatory
- e. When the marking judges get 5 tallies in a box, they will say "Tally" – If both judges do not have a tally, they will find the error and correct it.
- f. If a judge puts a tally in the wrong place, they will place a dot above it to show it is a mistake. When that race gets

another vote, the judge will connect the dot to the tally mark.

g. Reading judges will keep track of how many ballots are in a canister (scratch paper).

h. When a canister is completed:

i. The marking judge will record the total ballots at the top of the hand tally sheet as tracked by the reading judges.

ii. The marking judges will produce a total (Hand Count column) of tallies for each candidate in the canister.

iii. Then sum the totals for the race at the bottom of the hand tally sheet (votes + undervotes + race not on ballot) which should equal the number of ballots in the canister.

***\*If a race has the option to vote for multiple candidates, this will not be true.***

iv. Verify that both judges' numbers match.

v. A reading judge will record each candidate's total on the Master Hand Tally Sheet for the canister

i. Repeat steps a-g with each remaining canister for the TSx unit.

3. Verify the vote totals on the Master Hand Tally sheet for the selected races against the Election night results tape from the selected TSx unit:

a. If the hand tally and the results tape match:

i. Roll the AccuVote tape back into the canister

ii. The security canisters will be resealed.

iii. The sealed canisters and results tapes will be sealed in the audit materials storage box and secured with the remainder of the official election records for the election.

iv. The Canvass Board will certify the audit results and sign the audit report.

b. If the hand tally and the results tape do not match, the Canvass Board members will follow the procedures outlined in SOS Rule 11.5.4.9:

i. Manually verify the results as many times as necessary to confirm that there is no discrepancy in the manual count; and

ii. Review the situation and take action as necessary in accordance with the canvass board's powers as set forth in 1-10-1, C.R.S.

4. Complete the Post-Election Audit form provided by the SOS

a. For each unit and race record the Machine Count from the results tape.

b. For each unit and race record the Manual Hand Count from the Master Hand Tally Sheet.

- c. The two observing canvass board members will initial next to each unit/race/candidate listing.

**Report Results**

This section is performed by county staff.

1. Upon completion of the audit, report results and a description of the audit process to the SOS no later than 5:00 pm on the last day of the canvass, by means set forth in SOS Rules 11.5.4.11 & 11.5.4.12:
  - a. Include the following forms:
    - i. Post-Election Audit form provided by the SOS; signed and sealed:

STATE OF COLORADO  
Department of State  
1700 Broadway, Suite 220  
Denver, CO 80202



Mike Coffman  
Secretary of State  
J. Wayne Hunter  
Acting Director, SI  
Elections

Attn: Scott Dente  
County Clerk and Recorder

2008 Post Election Audit

COUNTY: LARIMER

The following table from the REGISTRATION list has been randomly selected for auditing:

Registration	Unit	Ballot	Issue/Description	Registered	Registered/County	Registered/State
AccuVote	OS	Early	74396	Center of A grade - District	No	
TR	DR2	Early Voting	274844	County Judge, Larimer - County	No	
TR	DR2	Electoral Day	275077	State Senate - District 10	Yes	
TR	DR2	Electoral Day	275485	State Senate - District 10	Yes	
TR	DR2	Electoral Day	275683	State Senate - District 10	Yes	
TR	DR2	Electoral Day	275744	County Attorney - No Judicial District	Yes	
TR	DR2	Early Voting	274844	County Commissioner - District 2	Yes	
TR	DR2	Early Voting	274844	County Commissioner - District 2	Yes	
AccuVote	OS	Mail-In	24272	County Commissioner - District 3	Yes	
AccuVote	OS	Early	24112	Member of the Colorado Superior Court - Dist	Yes	
AccuVote	OS	OS	24112	Member of the Colorado Superior Court - Dist	Yes	
AccuVote	OS	Electoral Day	24163	State Senate - District 10	Yes	
AccuVote	OS	Electoral Day	74396	Member of the Colorado Superior Court - District 10	No	

- ii. Voting System Security – Incident Report; signed:



Larimer County Clerk and Recorder

SCOTT DOYLE  
CLERK & RECORDER

VOTING SYSTEM SECURITY - INCIDENT REPORT

LARIMER COUNTY  
2008 GENERAL ELECTION  
NOVEMBER 4, 2008

Pursuant to section 45.B.17.4 of the Security Procedures for Electronic Voting Systems (Secretary of State Rule 45), each county is required to submit a statement to the Secretary of State's office addressing the existence or absence of any security events related to the county's use of voting equipment.

By checking this box, we are representing that our county **DOES NOT** have any security related incidents to report with the use of our voting equipment for the 2008 General Election.

By checking this box, we are representing that our county **DOES** have security related incidents to report with the use of our voting equipment for the 2008 General Election and we will be attaching incident reports to this document.

*Scott Doyle*  
Authorized Signature

11-17-08  
Date

*Scott Doyle*  
Printed Name

State System Division  
P.O. Box 1000  
1600 Lincoln Street  
Denver, CO 80202

Database Division  
P.O. Box 1000  
1600 Lincoln Street  
Denver, CO 80202

Processing Division  
P.O. Box 1000  
1600 Lincoln Street  
Denver, CO 80202

Law Enforcement  
P.O. Box 1000  
1600 Lincoln Street  
Denver, CO 80202

Chief File Address  
1837 W. 10th Avenue  
Suite 1000  
Denver, CO 80202

iii. Audit Procedures Cover Letter:

August 16, 2010

Colorado Secretary of State  
Attention: Voting Systems Specialist  
1700 Broadway - Suite 270  
Denver, CO 80290

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Larimer County Clerk and Recorder

*Doreen Bellix*  
Doreen Bellix  
Elections Manager

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