

Pickens Ballot Audit Report

Pickens Ballot Audit Report  
 Election: Special Election  
 Audit Date: 13:45:47, Thu Apr 3, 2014

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0127	Skelton	84	0	84	0	84	0	0	0	
0128	Rices Creek	144	0	144	0	144	0	0	0	
0129	West Liberty	133	0	133	0	133	0	0	0	
0130	East Liberty	143	0	143	0	143	0	0	0	
0131	Flat Rock	75	0	75	0	75	0	0	0	
0132	Zion	35	0	35	0	35	0	0	0	
0133	Smith Grove	22	0	22	0	22	0	0	0	
0134	Arial Mill	39	0	39	0	39	0	0	0	
0136	Simpson	46	0	46	0	46	0	0	0	
0137	Woodside	15	0	15	0	15	0	0	0	
0148	McKissick	101	0	101	0	101	0	0	0	
0155	North Liberty	108	0	108	0	108	0	0	0	
0156	Pendleton	50	0	50	0	50	0	0	0	
0157	Fruit Mountain	18	0	18	0	18	0	0	0	
Precincts Total:		1013	0	1013	0	1013	0	0	0	
0750	Absentee	15	2	13	0	13	2	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	1	0	1	0	1	0	0	0	
0900	Provisional	1	1	0	0	0	1	0	0	
Virtual Precincts Total:		17	3	14	0	14	3	0	0	
Grand Total:		1030	3	1027	0	1027	3	0	0	

NOTE: Any manual entries shown on this report are supported by the Manual Entry Log (EL68).

Auditor's Comments:

Total number of iVotronic ballots cast containing no votes: 7  
 The following precincts have no ballots cast in them: Emergency  
 This audit is complete and has no exceptions.

EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots.

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
1027	1027	1027
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	1027
	Cast By Poll Wkr	0
	Blank Cast by PW	0
	Cancelled Ballots	19

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Wrong Ballot	4	
Voter Left AB	0	(AB = After ballot selected by poll worker.)
Voter Left BB	0	(BB = Before ballot selected by poll worker.)
Voter Request	0	
Printer Problem	3	
Terminal Problem	6	
Other Reason	6	

Note: The following machines(s) have audit records but no ballots were cast on them: 5121683, 5135517  
 Because they do not have ballots cast, they cannot be matched to a precinct. This is not  
 an issue as long as the EL30A Ivo Ballots, the EL155 Ballots and the EL152 Ballots match  
 in the table immediately above.

How to read this report.

This is the ballot level report. It compares the number of ballots cast in the tabulation report,  
 the EL30A with the number of ballots cast in the audit data.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt),  
 iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from  
 the actual report. The total lines are the calculated sums of the individual precinct line values.

The Opt totals are the total number of ballots cast on paper ballots that were scanned into the optical  
 scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type  
 of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all  
 of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used  
 to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots  
 cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots  
 cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as  
 part of the audit process. That process combines the individual machine data into two master audit  
 files, the EL155 Vote image log and the EL152 iVotronic event log.  
 The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine  
 counting the number of asterisks in a precinct we get the number of ballots cast in that precinct. That  
 number should always match the number in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total  
 does not match the EL30A Total value, the auditor is prompted to read the paper report from the optical  
 scanner and enter the total ballots cast into the auditing program.

If the sum of the audit iVotronic and Optical ballots cast still do not match the EL30A total value, then  
 the audit software reads the EL68 Manual Entry log for any changes made in that precinct to either the iVo  
 or Opt totals by the CEC staff. It displays any manual entries to the auditor for inclusion into the totals.  
 If accepted by the auditor these entries are automatically added to the Man column from the Manual Entry log.

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Finally, the audit software calculates the Delta value which should be zero unless the sum of the iVo, the Opt and the Man do not match the EL30A Total column. If the Delta is greater than zero then audit data is missing. A comment will be placed on that line in the report indicating missing audit data. If the Delta value is less than zero then there are more ballots in the audit data than there are in the tabulated data and a comment will be placed on that line in the report.

Wherever possible, the audit system will attempt to indicate where the difference is by displaying the iVotronic machine numbers and the number of ballots cast on that machine that exist in the audit data. In the case of missing tabulated data, it might be possible to identify a machine that has the same number of ballots cast as the delta value and that number and ballot count will be highlighted with a < sign. If there is a non zero Delta value there will be an entry by the auditor explaining the variance.

Finally, there is a EL30A iVo to EL155 to EL152 Cross Check and Cancelled Ballots table in the report. This table should indicate that the number ballots cast in the EL30A match the numbers in the EL155 and the EL152 report. Then there are some statistics pulled from the EL152 report that indicate how many ballots were cast by the voter and the number cast by the poll worker. Lastly the number of ballots that were cancelled and the reason they were cancelled. It should be noted that the reason cancelled is chosen from a pull down menu presented to the poll worker when a ballot is cancelled, there is no way to validate the poll worker's choice.

Pickens Vote Audit

Pickens Vote Level Audit Report  
 Election: Special Election  
 Audit Date: 13:47:19, Thu Apr 3, 2014

Precinct Number / Name Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	
0127 Skelton									
School Trustee District 4	Roy Costner		11	0	11	0	11	0	
School Trustee District 4	Bob Folkmann		23	0	23	0	23	0	
School Trustee District 4	Bonita Thomas Holland		7	0	7	0	7	0	
School Trustee District 4	Brian D Swords		42	0	42	0	42	0	
School Trustee District 4	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0128 Rices Creek									
School Trustee District 4	Roy Costner		32	0	32	0	32	0	
School Trustee District 4	Bob Folkmann		27	0	27	0	27	0	
School Trustee District 4	Bonita Thomas Holland		12	0	12	0	12	0	
School Trustee District 4	Brian D Swords		73	0	73	0	73	0	
School Trustee District 4	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0129 West Liberty									
School Trustee District 4	Roy Costner		36	0	36	0	36	0	
School Trustee District 4	Bob Folkmann		11	0	11	0	11	0	
School Trustee District 4	Bonita Thomas Holland		15	0	15	0	15	0	
School Trustee District 4	Brian D Swords		71	0	71	0	71	0	
School Trustee District 4	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0130 East Liberty									
School Trustee District 4	Roy Costner		33	0	33	0	33	0	
School Trustee District 4	Bob Folkmann		15	0	15	0	15	0	
School Trustee District 4	Bonita Thomas Holland		14	0	14	0	14	0	
School Trustee District 4	Brian D Swords		80	0	80	0	80	0	
School Trustee District 4	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0131 Flat Rock									
School Trustee District 4	Roy Costner		18	0	18	0	18	0	
School Trustee District 4	Bob Folkmann		8	0	8	0	8	0	
School Trustee District 4	Bonita Thomas Holland		2	0	2	0	2	0	
School Trustee District 4	Brian D Swords		47	0	47	0	47	0	
School Trustee District 4	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0132 Zion									
School Trustee District 4	Roy Costner		1	0	1	0	1	0	
School Trustee District 4	Bob Folkmann		0	0	0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bonita Thomas Holland		1	0	1	0	1	0	
School Trustee District 4	Brian D Swords		33	0	33	0	33	0	
School Trustee District 4	Write-In		0	0	0	0	0	0	* No Audit Data expected or found
0133 Smith Grove									
School Trustee District 4	Roy Costner		6	0	6	0	6	0	

		Pickens	Vote	Audit				
School Trustee District 4	Bob Fol kman	2	0	2	0	2	0	
School Trustee District 4	Boni ta Thomas Hol l and	2	0	2	0	2	0	
School Trustee District 4	Bri an D Swords	12	0	12	0	12	0	
School Trustee District 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0134 Arial Mill								
School Trustee District 4	Roy Costner	8	0	8	0	8	0	
School Trustee District 4	Bob Fol kman	8	0	8	0	8	0	
School Trustee District 4	Boni ta Thomas Hol l and	2	0	2	0	2	0	
School Trustee District 4	Bri an D Swords	20	0	20	0	20	0	
School Trustee District 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
City Council Ward 4	Terry Moore	0	0	0	0	* No Audit Data expected or found		
City Council Ward 4	Chad Roach	0	0	0	0	* No Audit Data expected or found		
City Council Ward 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0136 Simpson								
City Council Ward 4	Terry Moore	12	0	12	0	12	0	
City Council Ward 4	Chad Roach	34	0	34	0	34	0	
City Council Ward 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0137 Woodside								
City Council Ward 4	Terry Moore	1	0	1	0	1	0	
City Council Ward 4	Chad Roach	14	0	14	0	14	0	
City Council Ward 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0148 McKi ssick								
City Council Ward 4	Terry Moore	77	0	77	0	77	0	
City Council Ward 4	Chad Roach	24	0	24	0	24	0	
City Council Ward 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0155 North Liberty								
School Trustee District 4	Roy Costner	28	0	28	0	28	0	
School Trustee District 4	Bob Fol kman	10	0	10	0	10	0	
School Trustee District 4	Boni ta Thomas Hol l and	22	0	22	0	22	0	
School Trustee District 4	Bri an D Swords	46	0	46	0	46	0	
School Trustee District 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0156 Pendl eton								
School Trustee District 4	Roy Costner	7	0	7	0	7	0	
School Trustee District 4	Bob Fol kman	3	0	3	0	3	0	
School Trustee District 4	Boni ta Thomas Hol l and	2	0	2	0	2	0	
School Trustee District 4	Bri an D Swords	37	0	37	0	37	0	
School Trustee District 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
0157 Frui t Mountain								
School Trustee District 4	Roy Costner	4	0	4	0	4	0	
School Trustee District 4	Bob Fol kman	6	0	6	0	6	0	
School Trustee District 4	Boni ta Thomas Hol l and	1	0	1	0	1	0	
School Trustee District 4	Bri an D Swords	6	0	6	0	6	0	
School Trustee District 4	Wri te-In	0	0	0	0	* No Audit Data expected or found		
City Council Ward 4	Terry Moore	0	0	0	0	* No Audit Data expected or found		
City Council Ward 4	Chad Roach	0	0	0	0	* No Audit Data expected or found		

		Pickens	Vote	Audit			
City Council Ward 4	Write-In		0	0	0	0	* No Audit Data expected or found
0750 Absentee							
School Trustee District 4	Roy Costner		1	0	1	0	1 0
School Trustee District 4	Bob Folkmán		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bonita Thomas Holland		2	0	2	0	2 0
School Trustee District 4	Brian D Swords		12	2	10	0	10 0
School Trustee District 4	Write-In		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Terry Moore		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Chad Roach		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Write-In		0	0	0	0	* No Audit Data expected or found
0800 Emergency							
School Trustee District 4	Roy Costner		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bob Folkmán		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bonita Thomas Holland		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Brian D Swords		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Write-In		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Terry Moore		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Chad Roach		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Write-In		0	0	0	0	* No Audit Data expected or found
0850 Fail safe							
School Trustee District 4	Roy Costner		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bob Folkmán		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bonita Thomas Holland		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Brian D Swords		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Write-In		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Terry Moore		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Chad Roach		1	0	1	0	1 0
City Council Ward 4	Write-In		0	0	0	0	* No Audit Data expected or found
0900 Provisional							
School Trustee District 4	Roy Costner		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bob Folkmán		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Bonita Thomas Holland		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Brian D Swords		0	0	0	0	* No Audit Data expected or found
School Trustee District 4	Write-In		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Terry Moore		1	1	0	0	* All votes cast for this candidate in this precinct are optical.
							* No Audit Data for optical.
City Council Ward 4	Chad Roach		0	0	0	0	* No Audit Data expected or found
City Council Ward 4	Write-In		0	0	0	0	* No Audit Data expected or found
There was no unmatched audit data							

How to read this report.

This is the vote level report. It compares the number of votes cast for each candidate in the tabulation report with the number of ballots cast in the audit data for each candidates in each precinct.

## Pickens Vote Audit

The tabulated values as read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. In the EL30A report all Write-in votes are added together and reported as one candidate name - Write-in. The EL30A does not report individual Write-in candidates.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via a memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values on the Audit side come from the iVotronic audit data that is read from the flash cards as part of the audit process. That process combines the individual machine data into a master audit file, the EL155 Vote image log.

The EL155 contains a record of all the votes cast on a ballot. The vote images indicate the machine. Counting the number of times a candidate name for a contest appears in a precinct we get the number of votes cast in that precinct for that candidate. That number should always match the number of votes cast for that candidate in that contest in the iVo column on the EL30A side of the report.

Optical ballots do not have electronically readable audit files. So if the audit data iVotronic total votes does not match the EL30A iVo value one of two things will occur. The first is if the iVotronic tabulated is zero and the Total tabulated votes match the tabulated Optical votes the following comment is made in the Audit side of the report; All votes cast for this candidate in this precinct are optical. No Audit Data for optical, or secondly, if the iVotronic total is not zero, a notation indicating which data Audit data. In the event a candidate or the combined Write-in candidates did not receive any votes in a precinct the EL30A will report a zero vote count. If there are no votes for this candidate in a precinct in the audit data, the following comment will be placed into the audit report by the auditing software; No Audit Data expected or found.

Finally the audit software will search the audit data for any votes that were not found on the EL30A report. If it finds some, it will report those vote totals by contest, candidate name and precinct. If it does not find any unmatched audit data it will report; There was no unmatched audit data

Pickens EL30A45A Compare

Pickens EL30A45A Comparison Report  
 Election: Special Election  
 Audit Date: 13:48:3, Thu Apr 3, 2014

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
School Trustee District 4	Roy Costner		185	0	185	0	185	0	185	0	0
School Trustee District 4	Bob Folkman		113	0	113	0	113	0	113	0	0
School Trustee District 4	Bonita Thomas Holland		82	0	82	0	82	0	82	0	0
School Trustee District 4	Brian D Swords		479	2	477	0	479	2	477	0	0
School Trustee District 4	Write-In		0	0	0	0	0	0	0	0	0
City Council Ward 4	Terry Moore		91	1	90	0	91	1	90	0	0
City Council Ward 4	Chad Roach		73	0	73	0	73	0	73	0	0
City Council Ward 4	Write-In		0	0	0	0	0	0	0	0	0

How to read this report.

This is EL30A EL45A Crosscheck Report. It sums each candidates vote totals in each precinct in the EL30A Precinct Detail Report and compares it to the EL45A Election Summary Report that contains the tabulated total for each candidate in the county.

The values read from the EL30A report are reported in four categories; Total, Optical (Opt), iVotronic (iVo) and Flash. None of these values on each line are calculated but parsed from the actual report. The total lines are the calculated sums of the individual precinct line values.

The Opt totals are the total number of votes cast on paper ballots that were scanned into the optical scanner and transferred to the tabulation computer via memory stick or ZipDisk (depending on the type of device, M100 or M650 used to scan the ballots.) Optical totals should exist only in some but not all of the Virtual Precincts at the bottom of the table.

The iVo totals are the results gathered from the PEBs (Personal Electronic Ballot) which are used to open and close an iVotronic voting machine and, after the polls have closed, gather the ballots cast for transmission to the tabulation system.

The Flash totals are the totals that are read from the flash cards in the rare event that the ballots cannot be copied from the machine to the PEB or from the PEB to the tabulating machine.

The values read from the EL45A report are reported in same four categories; Total, Optical (Opt), iVotronic (iVo) and Flash as the EL30A. Like the EL30A they are parsed from the actual EL45A report. The summary candidate totals are compared against the calculated sums for each candidate from the EL30A report. Each of the values in each line on the EL30A side must match the same value on the EL45A side and the Delta value must be zero.



Pickens PEB Use Report  
 Election: Special Election  
 Audit Date: 13:45:47, Thu Apr 3, 2014

Precinct	PEBs Used	Comments
Skelton	139152	
Rices Creek	150578	
West Liberty	150817	
East Liberty	137172	
Flat Rock	152271	
Zion	138067	
Smith Grove	138479	
Arial Mill	229478	
Simpson	150234	
Woodsde	150170	
McKissick	151551	
North Liberty	139499	
Pendleton	151177	
Fruit Mountain	151440	
Absentee	137435	
Fail safe	137435	

16 precincts processed

The following precinct(s) have no ballots cast in them: Emergency  
 Note: if there are no ballots cast in a precinct the machines in that precinct cannot be identified so these precinct(s) will not appear in this report.

How to read this report.

This is the PEB Used report. It lists the precincts found in the Audit data and lists all the PEBs that were used by the poll workers to open and close the iVotronic machines in that precinct.

If more than one PEB is used to open and close all the iVotronic machines in a precinct, then the County Election Commission must read ALL the PEBs used in that precinct to assure that they have collected all the ballots from that precinct. A county whose report shows a precinct that has machines open or closed by more than one PEB should double check the Ballot Audit Report against the iVotronic paper tapes and the Poll Book to make sure that all the ballots have been collected and tabulated.

Pickens PEBExceptionsReport

Pickens PEB Exceptions Report  
Election: Special Election  
Election date: 04/01/2014  
Audit Date: 13:45:47, Thu Apr 3, 2014

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5129893	137435	03/13/2014 18:30:17	137435	04/01/2014 19:04:13	>>Open Date<<	Absentee - 13 Fail safe - 1
5129893	137435	03/13/2014 18:30:17	137435	04/01/2014 19:04:13	Open Time	Absentee - 13 Fail safe - 1

The following machines(s) have audit records but no ballots were cast on them: 5121683, 5135517  
Because they do not have ballots cast, they cannot be matched to a precinct.

How to read this report.

This is the PEB Exceptions Report. It checks for the following conditions in the iVotronic Event Log;

- 1: A machine that was opened and closed by different PEBs
- 2: A Machine that was not opened on Election Date - could be either an absentee or test machine
- 3: A Machine that was not closed on Election Date - could have had problem closing
- 4: A Machine that was not opened by 7 am - note most Absentee machines will show up here
- 5: A Machine that was closed before 7pm - polls close at 7 PM
- 6: A Machine that was not closed ever.
- 7: A machine that has no ballots cast on it.

Each of the events above detected are reported on a separate line, each line contains the following information:  
iVotronic machine number, Opening PEB Number, Open Time, Closing PEB Number, Closing Time, the Exception Type and the Precinct and the Ballots Cast on that machine.

Absentee and Fail safe precinct machines are opened during the middle of the day several days before the election date of 04/01/2014. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.