

Berkeley Ballot Audit Report
 Election: School Board 9 Special
 Audit Date: 11:26:44, wed Apr 9, 2014

Prec Nbr	Precinct Name	EL30A				Audit			
		Total	Opt	ivo	Flash	ivo	Opt	Man	Delta
0005	Central	41	0	41	0	41	0	0	0
0008	Carnes Cross Rd 1	19	0	19	0	19	0	0	0
0009	Carnes Cross Rd 2	14	0	14	0	14	0	0	0
0028	Lebanon	12	0	12	0	12	0	0	0
0035	Pimlico	95	0	95	0	95	0	0	0
0038	Sangaree 1	7	0	7	0	7	0	0	0
0039	Sangaree 2	15	0	15	0	15	0	0	0
0040	Sangaree 3	22	0	22	0	22	0	0	0
0049	Wassamassaw 2	9	0	9	0	9	0	0	0
0059	Whitesville 1	0	0	0	0	0	0	0	0
0060	Whitesville 2	0	0	0	0	0	0	0	0
Precincts Total:		234	0	234	0	234	0	0	0
0750	Absentee	4	2	2	0	2	2	0	0
0800	Emergency	0	0	0	0	0	0	0	0
0850	Failsafe	1	0	1	0	1	0	0	0
0900	Provisional	0	0	0	0	0	0	0	0
Virtual Precincts Total:		5	2	3	0	3	2	0	0
Grand Total:		239	2	237	0	237	2	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: 1
 The following precincts have no ballots cast in them: Whitesville 1, Whitesville 2, Emergency, Provisional
 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
237	237	237
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	237
	Cast By Poll Wkr	0
	Blank Cast by PW	0
	Cancelled Ballots	20
	Wrong Ballot	4
	Voter Left AB	0
	Voter Left BB	0

(AB = After ballot selected by poll worker.)
 (BB = Before ballot selected by poll worker.)

Voter Request	0
Printer Problem	2
Terminal Problem	5
Other Reason	9

Note: The following machines(s) have audit records but no ballots were cast on them: 5121583, 5121988, 5129343
 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
 Ocounting 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.

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.

Berkeley EL30A45A Comparison Report

Election: School Board 9 Special

Audit Date: 11:31:30, Wed Apr 9, 2014

Office	Candidate	Party	+-----EL30A-----+				+-----EL45A-----+				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
School Board District 9	Kevin Condon		107	1	106	0	107	1	106	0	0
School Board District 9	Jim Hayes		131	1	130	0	131	1	130	0	0
School Board District 9	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 precince 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.

Berkeley PEB Exceptions Report
Election: School Board 9 Special
Election date: 04/08/2014
Audit Date: 11:26:44, Wed Apr 9, 2014

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5121583	155711	04/08/2014 07:01:35	155711	04/08/2014 19:01:30	Open Time	>>>No Ballots<<<
5121988	155711	04/08/2014 07:00:13	155711	04/08/2014 19:03:23	Open Time	>>>No Ballots<<<
5123835	229807	03/07/2014 16:01:41	229807	04/08/2014 19:09:55	>>Open Date<<	Absentee - 2 Failsafe - 1
5123835	229807	03/07/2014 16:01:41	229807	04/08/2014 19:09:55	Open Time	Absentee - 2 Failsafe - 1
5129343	229807	03/07/2014 15:59:31	229807	04/08/2014 19:09:09	>>Open Date<<	>>>No Ballots<<<
5129343	229807	03/07/2014 15:59:31	229807	04/08/2014 19:09:09	Open Time	>>>No Ballots<<<

The following machines(s) have audit records but no ballots were cast on them: 5121583, 5121988, 5129343
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 Failsafe precinct machines are opened during the middle of the day several days before the election date of 04/08/2014. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.

Berkeley PEB Exceptions Report
Election: School Board 9 Special
Audit Date: 11:26:44, wed Apr 9, 2014

WARNING: Precincts listed in this report have used more than one PEB to open or close iVotronic Machines. Inspect all the precinct materials closely, especially the Precinct Polling Results Tape to be sure that you have collected PEB data from all the iVotronic machines assigned to that precinct.

Precinct	PEBs Used	Comments
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Berkeley Vote Level Audit Report

Election: School Board 9 Special

Audit Date: 11:29:30, Wed Apr 9, 2014

Precinct Number / Name

Office	Candidate	Party	EL30A				Audit		Comments
			Total	Optical	iVo	Flash	iVo	Delta	

0005 Central

School Board District 9	Kevin Condon		23	0	23	0	23	0	
School Board District 9	Jim Hayes		18	0	18	0	18	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0008 Carnes Cross Rd 1

School Board District 9	Kevin Condon		2	0	2	0	2	0	
School Board District 9	Jim Hayes		17	0	17	0	17	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0009 Carnes Cross Rd 2

School Board District 9	Kevin Condon		7	0	7	0	7	0	
School Board District 9	Jim Hayes		7	0	7	0	7	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0028 Lebanon

School Board District 9	Kevin Condon		0	0	0	0			* No Audit Data expected or found
School Board District 9	Jim Hayes		12	0	12	0	12	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0035 Pimlico

School Board District 9	Kevin Condon		58	0	58	0	58	0	
School Board District 9	Jim Hayes		36	0	36	0	36	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0038 Sangaree 1

School Board District 9	Kevin Condon		1	0	1	0	1	0	
School Board District 9	Jim Hayes		6	0	6	0	6	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0039 Sangaree 2

School Board District 9	Kevin Condon		6	0	6	0	6	0	
School Board District 9	Jim Hayes		9	0	9	0	9	0	
School Board District 9	Write-In		0	0	0	0			* No Audit Data expected or found

0040 Sangaree 3

School Board District 9	Kevin Condon	7	0	7	0	7	0
School Board District 9	Jim Hayes	15	0	15	0	15	0
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0049 Wassamassaw 2

School Board District 9	Kevin Condon	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Jim Hayes	9	0	9	0	9	0
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0059 Whitesville 1

School Board District 9	Kevin Condon	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Jim Hayes	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0060 Whitesville 2

School Board District 9	Kevin Condon	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Jim Hayes	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0750 Absentee

School Board District 9	Kevin Condon	3	1	2	0	2	0
School Board District 9	Jim Hayes	1	1	0	0	* All votes cast for this candidate in this precinct are optical. *	
						* No Audit Data for optical.	
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0800 Emergency

School Board District 9	Kevin Condon	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Jim Hayes	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0850 Failsafe

School Board District 9	Kevin Condon	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Jim Hayes	1	0	1	0	1	0
School Board District 9	Write-In	0	0	0	0	* No Audit Data expected or found	

0900 Provisional

School Board District 9	Kevin Condon	0	0	0	0	* No Audit Data expected or found	
School Board District 9	Jim Hayes	0	0	0	0	* No Audit Data expected or found	
School Board District 9	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.

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 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 candidates. 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

Berkeley Vote Level Audit Exception Report

Precinct Number / Name

Office Delta	Comments	Audit Candidate	Party	Total	Optical	iVo	Flash	iVo
0005	Central School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0008	Carnes Cross Rd 1 School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0009	Carnes Cross Rd 2 School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0028	Lebanon School Board District 9 expected or found	Kevin Condon		0	0	0	0	* No Audit Data
	School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0035	Pimlico School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0038	Sangaree 1 School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0039	Sangaree 2 School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0040	Sangaree 3 School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0049	Wassamassaw 2 School Board District 9 expected or found	Kevin Condon		0	0	0	0	* No Audit Data
	School Board District 9 expected or found	Write-In		0	0	0	0	* No Audit Data
0059	Whitesville 1 School Board District 9 expected or found	Kevin Condon		0	0	0	0	* No Audit Data
	School Board District 9 expected or found	Jim Hayes		0	0	0	0	* No Audit Data

School Board District 9 expected or found	Write-In	0	0	0	0 * No Audit Data
0060 whitesville 2 School Board District 9 expected or found	Kevin Condon	0	0	0	0 * No Audit Data
School Board District 9 expected or found	Jim Hayes	0	0	0	0 * No Audit Data
School Board District 9 expected or found	Write-In	0	0	0	0 * No Audit Data
0750 Absentee School Board District 9 cast for this candidate	Jim Hayes	1	1	0	0 * All votes * in this * No Audit Data
precinct are optical. for optical.					
School Board District 9 Data expected or found	Write-In	0	0	0	0 * No Audit
0800 Emergency School Board District 9 Data expected or found	Kevin Condon	0	0	0	0 * No Audit
School Board District 9 Data expected or found	Jim Hayes	0	0	0	0 * No Audit
School Board District 9 Data expected or found	Write-In	0	0	0	0 * No Audit
0850 Failsafe School Board District 9 Data expected or found	Kevin Condon	0	0	0	0 * No Audit
School Board District 9 Data expected or found	Write-In	0	0	0	0 * No Audit
0900 Provisional School Board District 9 Data expected or found	Kevin Condon	0	0	0	0 * No Audit
School Board District 9 Data expected or found	Jim Hayes	0	0	0	0 * No Audit
School Board District 9 Data expected or found	Write-In	0	0	0	0 * No Audit
There was no unmatched audit data					

How to read this report.
precinct.

cast for transmission to the tabulation system.