

Charleston Ballot Audit Report

Charleston Ballot Audit Report  
 Election: Senate 45 Special Democratic Primary  
 Audit Date: 11:25:16, Thu Sep 3, 2015

Prec Nber	Precinct Name	EL30A				Audit				Comments
		Total	Opt	iVo	Flash	iVo	Opt	Man	Delta	
0174	Wadmalaw Island 1	46	0	46	0	46	0	0	0	
0175	Wadmalaw Island 2	91	0	91	0	91	0	0	0	
0440	Johns Island 1A	38	0	38	0	38	0	0	0	
0441	Johns Island 1B	59	0	59	0	59	0	0	0	
0444	Johns Island 3B	23	0	23	0	23	0	0	0	
0445	Johns Island 4	34	0	34	0	34	0	0	0	
0460	St Pauls 1	65	0	65	0	65	0	0	0	
0461	St Pauls 2A	34	0	34	0	34	0	0	0	
0462	St Pauls 2B	115	0	115	0	115	0	0	0	
0463	St Pauls 3	26	0	26	0	26	0	0	0	
0464	St Pauls 4	146	0	146	0	146	0	0	0	
0465	St Pauls 5	40	0	40	0	40	0	0	0	
0466	St Pauls 6	76	0	76	0	76	0	0	0	
Precincts Total:		793	0	793	0	793	0	0	0	
0750	Absentee	61	41	20	0	20	41	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fail safe	0	0	0	0	0	0	0	0	
0900	Provisional	1	1	0	0	0	1	0	0	
Virtual Precincts Total:		62	42	20	0	20	42	0	0	
Grand Total:		855	42	813	0	813	42	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: 5  
 The following precincts have no ballots cast in them: Emergency, Fail safe  
 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
813	813	813
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	812
	Cast By Poll Wkr	1

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Blank Cast by PW	0	
Cancelled Ballots	3	
Wrong Ballot	0	
Voter Left AB	1	(AB = After ballot selected by poll worker.)
Voter Left BB	0	(BB = Before ballot selected by poll worker.)
Voter Request	0	
Printer Problem	0	
Terminal Problem	1	
Other Reason	1	

Number of audio (ADA) events in this election: 0

Note: The following machines(s) have audit records but no ballots were cast on them: ♀ , 5139857  
 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.

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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.

Charleston Vote Audit

Charleston Vote Level Audit Report  
 Election: Senate 45 Special Democratic Primary  
 Audit Date: 11:25:38, Thu Sep 3, 2015

Precinct Number / Name Office	Candidate	Party	Total	Optical	EL30A iVo	Flash	Audit iVo	Delta	Comments
0174 Wadmalaw Island 1 State Senate District 45 found	Chauncey N Barnwell		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	William Bowman Jr		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	Sheree Darien		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	Kent D Fletcher		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	Libbie Henry Green		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	Kenneth F Hodges		16	0	16	0	16	0	
State Senate District 45 found	R Keith Horton		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	Margie Bright Matthews		27	0	27	0	27	0	
State Senate District 45 found	Richmond Truesdale		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	John Edward Washington		2	0	2	0	2	0	
State Senate District 45 found	Korey Williams		1	0	1	0	1	0	
0175 Wadmalaw Island 2 State Senate District 45 found	Chauncey N Barnwell		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	William Bowman Jr		2	0	2	0	2	0	
State Senate District 45 found	Sheree Darien		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	Kent D Fletcher		4	0	4	0	4	0	
State Senate District 45 found	Libbie Henry Green		3	0	3	0	3	0	
State Senate District 45 found	Kenneth F Hodges		32	0	32	0	32	0	
State Senate District 45 found	R Keith Horton		1	0	1	0	1	0	
State Senate District 45 found	Margie Bright Matthews		47	0	47	0	47	0	
State Senate District 45 found	Richmond Truesdale		1	0	1	0	1	0	
State Senate District 45 found	John Edward Washington		1	0	1	0	1	0	
State Senate District 45 found	Korey Williams		0	0	0	0	*	No Audit Data expected or	
0440 Johns Island 1A State Senate District 45 found	Chauncey N Barnwell		0	0	0	0	*	No Audit Data expected or	
State Senate District 45 found	William Bowman Jr		0	0	0	0	*	No Audit Data expected or	

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found									
State	Senate	District 45	Sheree Darien	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Kent D Fletcher	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Libbie Henry Green	2	0	2	0	2	0
State	Senate	District 45	Kenneth F Hodges	22	0	22	0	22	0
State	Senate	District 45	R Keith Horton	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Margie Bright Matthews	14	0	14	0	14	0
State	Senate	District 45	Richmond Truesdale	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	John Edward Washington	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Korey Williams	0	0	0	0	*	No Audit Data expected or
found									
0441	Johns Island 1B								
State	Senate	District 45	Chauncey N Barnwell	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	William Bowman Jr	1	0	1	0	1	0
State	Senate	District 45	Sheree Darien	1	0	1	0	1	0
State	Senate	District 45	Kent D Fletcher	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Libbie Henry Green	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Kenneth F Hodges	26	0	26	0	26	0
State	Senate	District 45	R Keith Horton	1	0	1	0	1	0
State	Senate	District 45	Margie Bright Matthews	25	0	25	0	25	0
State	Senate	District 45	Richmond Truesdale	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	John Edward Washington	4	0	4	0	4	0
State	Senate	District 45	Korey Williams	1	0	1	0	1	0
0444	Johns Island 3B								
State	Senate	District 45	Chauncey N Barnwell	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	William Bowman Jr	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Sheree Darien	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Kent D Fletcher	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Libbie Henry Green	0	0	0	0	*	No Audit Data expected or
found									
State	Senate	District 45	Kenneth F Hodges	13	0	13	0	13	0
State	Senate	District 45	R Keith Horton	1	0	1	0	1	0
State	Senate	District 45	Margie Bright Matthews	7	0	7	0	7	0

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State found	Senate District 45	Richmond Truesdale	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	John Edward Washington	2	0	2	0	2 0
State found	Senate District 45	Korey Williams	0	0	0	0	* No Audit Data expected or
0445 State found	Johns Island 4 Senate District 45	Chauncey N Barnwell	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	William Bowman Jr	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Sheree Darien	1	0	1	0	1 0
State found	Senate District 45	Kent D Fletcher	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Libbie Henry Green	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Kenneth F Hodges	18	0	18	0	18 0
State found	Senate District 45	R Keith Horton	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Margie Bright Matthews	14	0	14	0	14 0
State found	Senate District 45	Richmond Truesdale	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	John Edward Washington	1	0	1	0	1 0
State found	Senate District 45	Korey Williams	0	0	0	0	* No Audit Data expected or
0460 State found	St Pauls 1 Senate District 45	Chauncey N Barnwell	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	William Bowman Jr	3	0	3	0	3 0
State found	Senate District 45	Sheree Darien	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Kent D Fletcher	1	0	1	0	1 0
State found	Senate District 45	Libbie Henry Green	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Kenneth F Hodges	33	0	33	0	33 0
State found	Senate District 45	R Keith Horton	1	0	1	0	1 0
State found	Senate District 45	Margie Bright Matthews	20	0	20	0	20 0
State found	Senate District 45	Richmond Truesdale	4	0	4	0	4 0
State found	Senate District 45	John Edward Washington	2	0	2	0	2 0
State found	Senate District 45	Korey Williams	1	0	1	0	1 0
0461 State found	St Pauls 2A Senate District 45	Chauncey N Barnwell	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	William Bowman Jr	0	0	0	0	* No Audit Data expected or
State found	Senate District 45	Sheree Darien	0	0	0	0	* No Audit Data expected or

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found									
State	Senate	District 45	Kent D Fletcher	1	0	1	0	1	0
State	Senate	District 45	Libbie Henry Green	1	0	1	0	1	0
State	Senate	District 45	Kenneth F Hodges	12	0	12	0	12	0
State	Senate	District 45	R Keith Horton	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Margie Bright Matthews	12	0	12	0	12	0
State	Senate	District 45	Richmond Truesdale	6	0	6	0	6	0
State	Senate	District 45	John Edward Washington	2	0	2	0	2	0
State	Senate	District 45	Korey Williams	0	0	0	0	* No Audit Data expected or	
found									
0462	St Pauls 2B								
State	Senate	District 45	Chauncey N Barnwell	2	0	2	0	2	0
State	Senate	District 45	William Bowman Jr	2	0	2	0	2	0
State	Senate	District 45	Sheree Darien	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Kent D Fletcher	3	0	3	0	3	0
State	Senate	District 45	Libbie Henry Green	3	0	3	0	3	0
State	Senate	District 45	Kenneth F Hodges	68	0	68	0	68	0
State	Senate	District 45	R Keith Horton	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Margie Bright Matthews	26	0	26	0	26	0
State	Senate	District 45	Richmond Truesdale	6	0	6	0	6	0
State	Senate	District 45	John Edward Washington	2	0	2	0	2	0
State	Senate	District 45	Korey Williams	0	0	0	0	* No Audit Data expected or	
found									
0463	St Pauls 3								
State	Senate	District 45	Chauncey N Barnwell	1	0	1	0	1	0
State	Senate	District 45	William Bowman Jr	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Sheree Darien	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Kent D Fletcher	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Libbie Henry Green	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Kenneth F Hodges	18	0	18	0	18	0
State	Senate	District 45	R Keith Horton	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	Margie Bright Matthews	6	0	6	0	6	0
State	Senate	District 45	Richmond Truesdale	0	0	0	0	* No Audit Data expected or	
found									
State	Senate	District 45	John Edward Washington	1	0	1	0	1	0
State	Senate	District 45	Korey Williams	0	0	0	0	* No Audit Data expected or	
found									

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0464	St Pauls 4								
State	Senate	District 45	Chauncey N Barnwell	2	0	2	0	2	0
State	Senate	District 45	William Bowman Jr	2	0	2	0	2	0
State	Senate	District 45	Sheree Darien	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Kent D Fletcher	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Libbie Henry Green	3	0	3	0	3	0
State	Senate	District 45	Kenneth F Hodges	99	0	99	0	99	0
State	Senate	District 45	R Keith Horton	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Margie Bright Matthews	35	0	35	0	35	0
State	Senate	District 45	Richmond Truesdale	2	0	2	0	2	0
State	Senate	District 45	John Edward Washington	2	0	2	0	2	0
State	Senate	District 45	Korey Williams	1	0	1	0	1	0
0465	St Pauls 5								
State	Senate	District 45	Chauncey N Barnwell	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	William Bowman Jr	1	0	1	0	1	0
State	Senate	District 45	Sheree Darien	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Kent D Fletcher	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Libbie Henry Green	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Kenneth F Hodges	23	0	23	0	23	0
State	Senate	District 45	R Keith Horton	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Margie Bright Matthews	16	0	16	0	16	0
State	Senate	District 45	Richmond Truesdale	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	John Edward Washington	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Korey Williams	0	0	0	0	0	* No Audit Data expected or
found									
0466	St Pauls 6								
State	Senate	District 45	Chauncey N Barnwell	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	William Bowman Jr	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Sheree Darien	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Kent D Fletcher	1	0	1	0	1	0
State	Senate	District 45	Libbie Henry Green	0	0	0	0	0	* No Audit Data expected or
found									
State	Senate	District 45	Kenneth F Hodges	37	0	37	0	37	0



Charleston Vote Audit

State Senate District 45	R Keith Horton	1	0	1	0	1	0
State Senate District 45	Margie Bright Matthews	16	0	16	0	16	0
State Senate District 45 found	Richmond Truesdale	0	0	0	0	* No Audit Data expected or	
State Senate District 45	John Edward Washington	21	0	21	0	21	0
State Senate District 45 found	Korey Williams	0	0	0	0	* No Audit Data expected or	
0750 Absentee							
State Senate District 45	Chauncey N Barnwell	1	0	1	0	1	0
State Senate District 45 found	William Bowman Jr	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Sheree Darien	0	0	0	0	* No Audit Data expected or	
State Senate District 45	Kent D Fletcher	1	0	1	0	1	0
State Senate District 45 found	Libbie Henry Green	0	0	0	0	* No Audit Data expected or	
State Senate District 45	Kenneth F Hodges	39	29	10	0	10	0
State Senate District 45 candiate	R Keith Horton	3	3	0	0	* All votes cast for this	
optical .						* in this precinct are	
						* No Audit Data for optical .	
State Senate District 45	Margie Bright Matthews	8	6	2	0	2	0
State Senate District 45	Richmond Truesdale	2	0	2	0	2	0
State Senate District 45	John Edward Washington	3	2	1	0	1	0
State Senate District 45	Korey Williams	2	1	1	0	1	0
0800 Emergency							
State Senate District 45 found	Chauncey N Barnwell	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	William Bowman Jr	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Sheree Darien	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Kent D Fletcher	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Libbie Henry Green	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Kenneth F Hodges	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	R Keith Horton	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Margie Bright Matthews	0	0	0	0	* No Audit Data expected or	
State Senate District 45 found	Richmond Truesdale	0	0	0	0	* No Audit Data expected or	

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State found	Senate District 45	John Edward Washington	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Korey Williams	0	0	0	0 * No Audit Data expected or
0850	Fail safe					
State found	Senate District 45	Chauncey N Barnwell	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	William Bowman Jr	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Sheree Darien	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Kent D Fletcher	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Libbie Henry Green	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Kenneth F Hodges	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	R Keith Horton	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Margie Bright Matthews	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Richmond Truesdale	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	John Edward Washington	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Korey Williams	0	0	0	0 * No Audit Data expected or
0900	Provisional					
State found	Senate District 45	Chauncey N Barnwell	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	William Bowman Jr	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Sheree Darien	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Kent D Fletcher	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Libbie Henry Green	0	0	0	0 * No Audit Data expected or
State found	Senate District 45	Kenneth F Hodges	1	1	0	0 * All votes cast for this
						* in this precinct are
						* No Audit Data for optical.
State found	Senate District 45	R Keith Horton	0	0	0	0 * No Audit Data expected or

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State Senate District 45 found	Margie Bright Matthews	0	0	0	0	0 * No Audit Data expected or
State Senate District 45 found	Richmond Truesdale	0	0	0	0	0 * No Audit Data expected or
State Senate District 45 found	John Edward Washington	0	0	0	0	0 * No Audit Data expected or
State Senate District 45 found	Korey Williams	0	0	0	0	0 * No Audit Data expected or

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

#### Charleston Vote Audit

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

Charleston EL30A45A Compare

Charleston EL30A45A Comparison Report  
 Election: Senate 45 Special Democratic Primary  
 Audit Date: 11:26:27, Thu Sep 3, 2015

Office	Candidate	Party	EL30A				EL45A				Delta
			Tot	Opt	iVo	Flash	Tot	Opt	iVo	Flash	
State Senate District 45	Chauncey N Barnwell		6	0	6	0	6	0	6	0	0
State Senate District 45	William Bowman Jr		11	0	11	0	11	0	11	0	0
State Senate District 45	Sheree Darien		2	0	2	0	2	0	2	0	0
State Senate District 45	Kent D Fletcher		11	0	11	0	11	0	11	0	0
State Senate District 45	Libbie Henry Green		12	0	12	0	12	0	12	0	0
State Senate District 45	Kenneth F Hodges		457	30	427	0	457	30	427	0	0
State Senate District 45	R Keith Horton		8	3	5	0	8	3	5	0	0
State Senate District 45	Margie Bright Matthews		273	6	267	0	273	6	267	0	0
State Senate District 45	Richmond Truesdale		21	0	21	0	21	0	21	0	0
State Senate District 45	John Edward Washington		43	2	41	0	43	2	41	0	0
State Senate District 45	Korey Williams		6	1	5	0	6	1	5	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.

Charleston EL30A45A Compare

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.

Charleston PEBExceptionsReport

Charleston PEB Exceptions Report  
 Election: Senate 45 Special Democratic Primary  
 Election date: 09/01/2015  
 Audit Date: 11:25:16, Thu Sep 3, 2015

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5117900	156646	09/01/2015 07:00:29	156646	09/01/2015 19:08:40	Open Time	Wadmalaw Island 1 - 19 Wadmalaw Island 2 - 32
5121937	156646	09/01/2015 07:02:55	156646	09/01/2015 19:10:17	Open Time	Wadmalaw Island 1 - 20 Wadmalaw Island 2 - 40
5133037	156786	08/04/2015 11:01:58	156786	09/01/2015 19:06:28	>>Open Date<<	Absentee - 20
5133037	156786	08/04/2015 11:01:58	156786	09/01/2015 19:06:28	Open Time	Absentee - 20

The following machines(s) have audit records but no ballots were cast on them: ♀ , 5139857  
 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 09/01/2015. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.

Charleston PEBUsed

Charleston PEB Use Report  
Election: Senate 45 Special Democratic Primary  
Audit Date: 11:25:16, Thu Sep 3, 2015

Precinct	PEBs Used	Comments
Wadmalaw Island 1	156646	
Wadmalaw Island 2	156646	
Johns Island 1A	157228	
Johns Island 1B	157228	
Johns Island 3B	156546	
Johns Island 4	156498	
St Pauls 1	156555	
St Pauls 2A	155939	
St Pauls 2B	155939	
St Pauls 3	156553	
St Pauls 4	165963	
St Pauls 5	153051	
St Pauls 6	153051	
Absentee	156786	

14 precincts processed

The following precinct(s) have no ballots cast in them: Emergency, Failsafe  
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.



# Audit File Descriptions

The audit file package for each election contains six files that are created by the Election Management System, Unity, which is used for elections in South Carolina. These files are used by the audit process created by the South Carolina Election Commission. Each of these text files can be read by any text editor.

The six files are the; EL45A Election Report, EL30A Precinct Report, EL155 Vote Image Log, EL152 Event Log, EL68A System Log and EL68 Manual Entry Log.

## **EL45A Election Report**

The EL45A Election Report is the summary report and shows the grand totals for each contest in the election for the entire county.

### Report Header

First line	Indicates the report is a summary, the county, and status of results (unofficial or official)
Second line	Name of election
Third line	Date of election
Fourth line	Date and time the report was created, name of the report and page number
Fifth line	Column titles

The Optical Scan column contains the votes that were cast on paper ballots, the iVotronic column contains the votes that were cast on voting machines, and Flash Data column contains the votes that had to be recovered from the audit data contained on the Flash Cards. This last column will normally be empty as the need to use flash data to count the votes occurs only in very rare situations.

# Audit File Descriptions

SUMMARY REPT-GROUP DETAIL

Richland County  
Municipal/Referendum Election  
November 05, 2013

Official Results

Run Date:11/12/13 10:16 AM

Report EL45A Page 001

TOTAL VOTES      %      Optical Scan      iVotronic      Flash Data

The next section is the election summary...

PRECINCTS COUNTED (OF 130) . . . . .	128	98.46				
REGISTERED VOTERS - TOTAL . . . . .	247,171					
BALLOTS CAST - TOTAL . . . . .	30,787		610	30,177		0
VOTER TURNOUT - TOTAL . . . . .		12.46				

And the body of the report contains the county wide results of the election...

Mayor of Columbia

Vote for up to 1

Moe Baddourah . . . . .	5,594	34.49	184	5,410		0
Steve Benjamin. . . . .	10,402	64.13	187	10,215		0
Larry A Sypolt. . . . .	167	1.03	15	152		0
Write-In. . . . .	57	.35	1	56		0
Total . . . . .	16,220		387	15,833		0

Columbia City Council At Large

Vote for up to 1

Tommy Burkett . . . . .	5,400	34.73	168	5,232		0
Tameika Isaac Devine. . . . .	10,068	64.75	207	9,861		0
Write-In. . . . .	81	.52	3	78		0
Total . . . . .	15,549		378	15,171		0

Columbia City Council Dist. 1

Vote for up to 1

Sam Davis . . . . .	2,431	69.80	41	2,390		0
Bruce A Trezevant. . . . .	1,041	29.89	28	1,013		0
Write-In. . . . .	11	.32	0	11		0
Total . . . . .	3,483		69	3,414		0

Columbia City Council Dist. 4

Vote for up to 1



# Audit File Descriptions

Leona K Plough. . . . .	2,692	68.48	80	2,612	0
Todd Walter. . . . .	1,226	31.19	30	1,196	0
Write-In. . . . .	13	.33	0	13	0
Total . . . . .	3,931		110	3,821	0

## The EL30A Election Report

The EL30A Election Report is the precinct report. It is similar to the EL45A report but it shows the totals in each precinct for each contest that was included in that precinct. These contests can vary from precinct to precinct depending on the location of the district lines in the county. It is possible that a precinct may include two or more seats in a contest but each voter in that precinct can vote for a candidate for only one district.

### Report Header

First line	Indicates the report is a summary, the county, and status of results (unofficial or official)
Second line	Name of election
Third line	Date of election
Fourth line	Date and time the report was created, name of the report and page number
Fifth line	Column titles

The Optical Scan column contains the votes that were cast on paper ballots, the iVotronic column contains the votes that were cast on voting machines, and Flash Data column contains the votes that had to be recovered from the audit data contained on the Flash Cards. This last column will normally be empty as the need to use flash data to count the votes occurs only in very rare situations.



# Audit File Descriptions

PREC REPORT-GROUP DETAIL

Richland County  
Municipal/Referendum Election  
November 05, 2013

Unofficial Results

Run Date:11/12/13 10:16 AM

Report EL30A Page 0101-01

0101 Ward 1

TOTAL VOTES	%	Optical Scan	iVotronic	Flash Data
-------------	---	--------------	-----------	------------

The next section is the precinct summary...

REGISTERED VOTERS - TOTAL . . . . .	1,852			
BALLOTS CAST - TOTAL . . . . .	231		0	231
VOTER TURNOUT - TOTAL . . . . .		12.47		

And the body of the report contains the precinct wide results of the election...

Mayor of Columbia

Vote for up to 1				
Moe Baddourah . . . . .	71	31.28	0	71
Steve Benjamin. . . . .	152	66.96	0	152
Larry A Sypolt. . . . .	0		0	0
Write-In. . . . .	4	1.76	0	4
Total . . . . .	227		0	227

Columbia City Council At Large

Vote for up to 1				
Tommy Burkett . . . . .	73	33.18	0	73
Tameika Isaac Devine. . . . .	144	65.45	0	144
Write-In. . . . .	3	1.36	0	3
Total . . . . .	220		0	220

COUNTY REFERENDUM

Vote for up to 1				
Yes, in favor of the question. . . . .	156	68.72	0	156
No, opposed to the question . . . . .	71	31.28	0	71
Total . . . . .	227		0	227

# Audit File Descriptions

Followed by the next precinct...

PREC REPORT-GROUP DETAIL

Richland County  
Municipal/Referendum Election  
November 05, 2013

Unofficial Results

Run Date:11/12/13 10:16 AM

Report EL30A Page 0102-01

0102 Ward 2

	TOTAL VOTES	%	Optical Scan	iVotronic	Flash Data
REGISTERED VOTERS - TOTAL . . . . .	943				
BALLOTS CAST - TOTAL . . . . .	111		0	111	0
VOTER TURNOUT - TOTAL . . . . .		11.77			

Mayor of Columbia

Vote for up to 1					
Moe Baddourah . . . . .	9	8.18	0	9	0
Steve Benjamin. . . . .	98	89.09	0	98	0
Larry A Sypolt. . . . .	2	1.82	0	2	0
Write-In. . . . .	1	.91	0	1	0
Total . . . . .	110		0	110	0

Columbia City Council At Large

Vote for up to 1					
Tommy Burkett . . . . .	17	15.89	0	17	0
Tameika Isaac Devine. . . . .	88	82.24	0	88	0
Write-In. . . . .	2	1.87	0	2	0
Total . . . . .	107		0	107	0

COUNTY REFERENDUM

Vote for up to 1					
Yes, in favor of the question. . . . .	71	72.45	0	71	0
No, opposed to the question . . . . .	27	27.55	0	27	0
Total . . . . .	98		0	98	0

Each precinct is reported separately.

# Audit File Descriptions

The last precincts in the election contain the “Virtual Precincts”: Absentee, Emergency, Failsafe, Provisional and Failsafe / Provisional. When for some reason a voter cannot cast his or her ballot on a voting machine in the precinct to which a voter is assigned, that vote is cast in one of these precincts. Examples of reasons a vote must be cast in a virtual include absentee voting and cases when a voter’s right to vote has been challenged in their assigned precinct.

Municipal/Referendum Election  
November 05, 2013

Run Date:11/12/13 10:16 AM

Report EL30A Page 0750-01

0750 Absentee

	TOTAL VOTES	%	Optical Scan	iVotronic	Flash Data
REGISTERED VOTERS - TOTAL . . . . .	0				
BALLOTS CAST - TOTAL. . . . .	2,449		586	1,863	0

Mayor of Columbia

Vote for up to 1

Moe Baddourah . . . . .	396	31.81	176	220	0
Steve Benjamin. . . . .	823	66.10	178	645	0
Larry A Sypolt. . . . .	25	2.01	15	10	0
Write-In. . . . .	1	.08	1	0	0
Total . . . . .	1,245		370	875	0

Columbia City Council At Large

Vote for up to 1

Tommy Burkett . . . . .	391	32.86	159	232	0
Tameika Isaac Devine. . . . .	794	66.72	201	593	0
Write-In. . . . .	5	.42	2	3	0
Total . . . . .	1,190		362	828	0

Columbia City Council Dist. 1

Vote for up to 1

Sam Davis . . . . .	175	64.34	41	134	0
Bruce A Trezevant. . . . .	95	34.93	28	67	0
Write-In. . . . .	2	.74	0	2	0
Total . . . . .	272		69	203	0

Columbia City Council Dist. 4

Vote for up to 1

Leona K Plough. . . . .	173	70.61	79	94	0
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# Audit File Descriptions

Todd Walter. . . . .	71	28.98	28	43	0
Write-In. . . . .	1	.41	0	1	0
Total . . . . .	245		107	138	0

PREC REPORT-GROUP DETAIL

Richland County  
Municipal/Referendum Election  
November 05, 2013

Unofficial Results

Run Date:11/12/13 10:16 AM

Report EL30A Page 0750-02

0750 Absentee

TOTAL VOTES	%	Optical Scan	iVotronic	Flash Data
-------------	---	--------------	-----------	------------

COUNTY REFERENDUM

Vote for up to 1

Yes, in favor of the question. . . . .	1,715	71.73	301	1,414	0
No, opposed to the question . . . . .	676	28.27	257	419	0
Total . . . . .	2,391		558	1,833	0

The Emergency, Failsafe, Provisional and Failsafe / Provisional precinct reports are identical to the Absentee Report shown above.

## The EL68A System Log

The EL68A System Log is a record of every event that occurred in the Election Management System (Unity) from the time that the election database was loaded prior to the election until the time the report was run.

### Report Header

First line	Indicates the report is a summary, the county, and status of results (unofficial or official)
Second line	Name of election
Third line	Date of election
Fourth line	Date and time the report was created, name of the report and page number
Fifth line	Column titles



# Audit File Descriptions

The User column is always blank and Counted Information applies only to certain events or operations contained in the log.

The first entry will always be the date and time that the database was created (loaded on to the Unity machine).

```

SYSTEM LOG LISTING                               Richland County
                                                Municipal/Referendum Election
                                                November 05, 2013
RUN DATE:11/12/13 10:17 AM                                ELECTION ID: 40110513
USER DATE    TIME      SYSTEM ACTION OR ERROR INFORMATION          COUNTED INFORMATION
09-26  10:07 am  DATABASE CREATED
  
```

Here is an example where counted information is included in an event.

```

11-05  07:42 pm                                PRC 0750 PACK RECEIVED VTR (BALS=309 TOT=309)
11-05  07:42 pm                                PRC 0850 PACK RECEIVED VTR
  
```

The auditor will refer to this log if an exception to the audit is detected by the automatic audit process or a “deeper dive” into the events of an election is required for any reason. It is not part of the automated audit process.

## The EL68 Manual Entry Log

The EL68 Manual Entry Log is a record of every manual entry that occurred in the Election Management System (Unity) from the time that the election database was loaded prior to the election until the time the report was run.

### Report Header

First line	Indicates the report is the Manual Changes Log Listing and the county
Second line	Name of election
Third line	Date of election
Fourth line	Date and time the report was created and the election ID
Fifth line	Column titles



# Audit File Descriptions

The Election ID contains eight characters and is NORMALLY the county number and the date of the election in the form of mmddyy.

The User column is always blank, the GRP column indicates the Report Group in which the change was made if applicable. Group 3 is the Optical group, group 4 is the voting machine group.

MANUAL CHANGES LOG LISTING		Sample County							
		Sample Election							
		Samplemonth 1, 2013							
RUN DATE:11/12/13 10:17 AM								ELECTION ID: 40110513	
PRECINCT	CANDIDATE	USER	DATE	TIME	GRP	OLD	NEW		
0101 Precinct 1	VOTERS		11-05	04:21 pm		0	1,852		
0102 Precinct 2			11-05	04:21 pm		0	943		
0103 Precinct 3			11-05	04:21 pm		0	1,476		

If the candidate column contains the word "VOTERS" and the Old column contains a zero, this is a manual entry for the number of registered voters in the precinct. This is a normal entry performed on Election Day usually sometime between 9 AM and 7 PM. Note that in the example above the word "VOTERS" appears only in the first entry, the subsequent entries are all blank.

In the following example we can see that the same thing happens in the precinct column.

0750 Absentee	BALLOTS CAST - TOTAL	04-08	10:13 am	3	0	3
	Candidate A	04-06	01:04 pm	4	0	1
		04-08	10:05 am	3	0	1
		04-08	10:11 am	4	1	0
	Candidate B	04-06	01:04 pm	4	10	12
		04-08	10:05 am	3	0	2
		04-08	10:08 am	4	12	22
		04-08	10:11 am	4	22	10

Care must be taken when evaluating a situation where the value was changed more than once. As you can see, manual entries were made for these candidates on 04/06 and 04/08.

On 04/06

- At 1:04 PM Candidate A group 3 (Optical) was set to 1
- And Candidate B group 4 (iVotronic) was changed from 10 to 12

# Audit File Descriptions

On 04/08

- At 10:05 AM Candidate A group 3 (Optical) was set to 1
- And Candidate B group 3 (Optical) was set to 2
- At 10:08 AM Candidate B Group 4 (iVotronic) 10 votes were manually added to the 12 that were there after the 04/06 manual entry
- At 10:11 AM Candidate B Group 4 (iVotronic) 12 votes were removed, returning the count to 10.
- At 10:13 AM The Total Ballots Cast in Group 3 (Optical) was set to 3.

A review of the EL68A System log indicates that there were 10 iVotronic ballots cast in the Absentee precinct that were electronically read in at 01:02 PM on 04/06. The audit confirmed that all 10 Absentee iVotronic ballots were cast for Johnson when checking the EL30A iVotronic total versus the EL155 Vote Image File.

The EL30A report for the Absentee precinct in this election is below.

0750 Absentee				
	TOTAL VOTES	%	Optical Scan	iVotronic
REGISTERED VOTERS - TOTAL . . . . .	0			
BALLOTS CAST - TOTAL. . . . .	13		3	10
State House of Rep. Dist 64				
Seat to Fill 1				
Candidate A . . . . .	1	7.69	1	0
Candidate B . . . . .	12	92.31	2	10
Write-In. . . . .	0		0	0
Total . . . . .	13		3	10

The above example is why the SEC Audit process automatically creates an exception when it detects that a manual entry was made. The auditor must perform a manual evaluation of the events and confirm that a mistake in the vote count was not made.

# Audit File Descriptions

## EL155 Vote Image Log

The EL155 Vote Image Log is a record of every ballot cast on the iVotronic voting machines in the county.

### Report Header

First line	Date and time the report was created the precinct number and name and the the Election ID
Second line	Column titles

The Election ID contains eight characters and is NORMALLY the county number and the date of the election in the form of mmddyy.

The VOTR. column contains the serial number of the iVotronic voting machine upon which the vote was cast, the B/I column contains the Ballot Index which indicates which ballot style that appears in the precinct was used to cast that ballot (Note: the ballot index can be different in each precinct for a ballot style that is common to the precincts.

There is a number before the candidate name that is used to indicate precinct totals for each candidate in the precinct footer at the bottom of the each precinct. In this case candidate 2 is Steve Benjamin who received 37 votes in this precinct and candidate 7 is Tamekia Isaac Devine who received 33 voted in this precinct.

The office that the candidate is seeking is placed in the final column in this report. There is no header for that column.

Note the asterisk (\*) in some of the records in this report. This indicates the first record in each ballot. So the ballot image for the first ballot shown in this report voted for Steve Benjamin, Tamekia Isaac Devine and Yes, in favor of the question put forward in the county resolution.

RUN DATE:11/12/13 10:16 AM

PRECINCT 850 - Failsafe

ELECTION ID: 40110513

VOTR. B/I CANDIDATES RECEIVING A VOTE

# Audit File Descriptions

5131060	2 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	2	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	2	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	2 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	2	6 Tommy Burkett	MUNCOLU City Council At Large														
5131060	2	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	2 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	2	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	2	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	2 *	1 Moe Baddourah	MUNCOLU Mayor														
5131060	2	6 Tommy Burkett	MUNCOLU City Council At Large														
5131060	2	30 No, opposed to the question	COUNTY REFERENDUM														
5131060	4 *	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	3 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	3	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	3	10 Sam Davis	CTYCO01 City Council District 1														
5131060	3	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	4 *	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	4 *	30 No, opposed to the question	COUNTY REFERENDUM														
5131060	2 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	2	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	2	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	4 *	30 No, opposed to the question	COUNTY REFERENDUM														
5131060	3 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	3	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	3	10 Sam Davis	CTYCO01 City Council District 1														
5131060	3	30 No, opposed to the question	COUNTY REFERENDUM														
5131060	5 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	5	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	5	14 Leona K Plaugh	CTYCO04 City Council District 4														
5131060	5	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	2 *	2 Steve Benjamin	MUNCOLU Mayor														
5131060	2	7 Tameika Isaac Devine	MUNCOLU City Council At Large														
5131060	2	29 Yes, in favor of the question	COUNTY REFERENDUM														
5131060	4 *	29 Yes, in favor of the question	COUNTY REFERENDUM														
----- PRECINCT TOTALS -----																	
CAND VOTES	CAND VOTES	CAND VOTES	CAND VOTES	CAND VOTES	CAND VOTES	CAND VOTES	CAND VOTES	CAND VOTES									
1	3	2	37	6	7	7	33	10	11	11	2	14	2	15	1	29	53
30	13																

Although the precinct, voting machine and the votes cast on each ballot can be determined, the order in which the ballots are cast is randomly presented in this report so neither the time of day the ballot was cast nor the voter's identity can be discovered.

# Audit File Descriptions

## The EL152 Event Log

EL152 Event Log is a record of every event or operation that occurred on every iVotronic voting machine used in the election. Each machine is reported sequentially in ascending serial number order. Each event or operation on a machine is reported in chronological order.

### Report Header

First line	Date and time the report was created the precinct number and name and the Election ID
Second line	Column titles

The Election ID contains eight characters and is NORMALLY the county number and the date of the election in the form of mmddyy.

The Votronic column contains the serial number of the iVotronic voting machine on which the event occurred, the PEB# column contains the serial number of the PEB (Personal Electronic Ballot, the device that is used to open a terminal session on the voting machine to perform an operation such as allowing a voter to cast his or her ballot), the Type column contains the type of PEB being used, normally SUP.

Date and time are read from an internal clock on each machine that can be set during the set up during the machine configuration prior to each election. If this operation is not performed or performed incorrectly during set up, the time and date will be incorrect.

RUN DATE:01/22/14 10:11 AM

ELECTION ID: 42012114

Votronic	PEB#	Type	Date	Time	Event
5119365	138511	SUP	01/24/2013	15:22:20	0000601 Zero terminal config data
		SUP	01/24/2013	15:22:21	0001607 Clear-n-test term flash successful
		SUP	01/24/2013	15:22:25	0000116 Select: Configure Terminal
		SUP	01/24/2013	15:22:27	0000117 Select: Set Time and Date
		SUP	01/24/2013	15:27:27	0001656 Set terminal date and/or time

# Audit File Descriptions

	SUP	01/24/2013	15:27:45	0000117	Select: Set Time and Date
	SUP	01/24/2013	15:27:45	0001656	Set terminal date and/or time
	SUP	01/24/2013	15:27:51	0001633	Terminal shutdown
	SUP	01/13/2014	13:48:30	0001715	Super PEB type - clear and test
	SUP	01/13/2014	13:48:30	0001649	Term - entered service menus
	SUP	01/13/2014	13:48:33	0000114	Select: Setup & Configuration Menu
	SUP	01/13/2014	13:48:33	0000300	Start password procedure
	SUP	01/13/2014	13:49:05	0000116	Select: Configure Terminal
	SUP	01/13/2014	13:49:08	0000117	Select: Set Time and Date
	SUP	01/13/2014	13:58:08	0001656	Set terminal date and/or time
	SUP	01/13/2014	13:58:14	0001633	Terminal shutdown
139391	SUP	01/21/2014	06:44:12	0002808	Terminal - opening state
	SUP	01/21/2014	06:44:48	0001303	Transfer PEB vote data to terminal
	SUP	01/21/2014	06:44:53	0002804	Terminal - blank state
	SUP	01/21/2014	06:44:53	0002802	Terminal - open state
	SUP	01/21/2014	06:44:54	0002808	Terminal - opening state
	SUP	01/21/2014	06:44:54	0001319	Update PEB's terminal record
	SUP	01/21/2014	06:44:54	0001303	Transfer PEB vote data to terminal
	SUP	01/21/2014	06:44:57	0001210	Transfer terminal vote data to PEB
	SUP	01/21/2014	06:45:22	0001211	Terminal votes to PEB successful
	SUP	01/21/2014	06:45:30	0002802	Terminal - open state
	SUP	01/21/2014	06:45:30	0001672	Terminal Opened
	SUP	01/21/2014	06:45:39	0001633	Terminal shutdown
138297	SUP	01/21/2014	07:05:52	0001510	Vote cast by voter
	SUP	01/21/2014	07:07:22	0001510	Vote cast by voter
	SUP	01/21/2014	07:42:19	0001721	PEB pulled while getting PEB type
	SUP	01/21/2014	07:42:19	0002405	Failed to get PEB type
	SUP	01/21/2014	07:42:19	0000706	Failed to retrieve EQC from PEB
	SUP	01/21/2014	07:42:19	0001635	Terminal shutdown - IPS exit
	SUP	01/21/2014	07:44:37	0001510	Vote cast by voter
151046	SUP	01/21/2014	07:48:47	0001510	Vote cast by voter
	SUP	01/21/2014	08:14:40	0001510	Vote cast by voter
138297	SUP	01/21/2014	08:18:16	0001510	Vote cast by voter
	SUP	01/21/2014	08:21:03	0001510	Vote cast by voter
151046	SUP	01/21/2014	08:22:45	0001510	Vote cast by voter
	SUP	01/21/2014	08:26:54	0001510	Vote cast by voter
138297	SUP	01/21/2014	08:30:02	0001510	Vote cast by voter
0	UNK	01/21/2014	17:42:22	0001721	PEB pulled while getting PEB type
	UNK	01/21/2014	17:42:22	0002405	Failed to get PEB type
	UNK	01/21/2014	17:42:22	0002400	PEB access failed
	UNK	01/21/2014	17:42:22	0002400	PEB access failed
	UNK	01/21/2014	17:42:24	0002400	PEB access failed
	UNK	01/21/2014	17:42:24	0000706	Failed to retrieve EQC from PEB
138297	SUP	01/21/2014	18:17:34	0001510	Vote cast by voter
	SUP	01/21/2014	18:21:39	0001510	Vote cast by voter
	SUP	01/21/2014	18:32:15	0001510	Vote cast by voter

# Audit File Descriptions

```
151046 SUP 01/21/2014 18:45:32 0001510 Vote cast by voter
SUP 01/21/2014 18:49:22 0001510 Vote cast by voter
SUP 01/21/2014 18:54:53 0001510 Vote cast by voter
139391 SUP 01/21/2014 19:00:25 0002810 Terminal - time to close voting
SUP 01/21/2014 19:00:29 0001626 Close terminal
SUP 01/21/2014 19:00:29 0002809 Terminal - closing state
SUP 01/21/2014 19:00:29 0001221 Collect terminal vote data to PEB
SUP 01/21/2014 19:00:48 0001303 Transfer PEB vote data to terminal
SUP 01/21/2014 19:00:55 0001208 Merge terminal & PEB vote data
SUP 01/21/2014 19:00:57 0002802 Terminal - open state
SUP 01/21/2014 19:00:57 0002803 Terminal - closed state
SUP 01/21/2014 19:00:57 0002809 Terminal - closing state
SUP 01/21/2014 19:01:01 0001210 Transfer terminal vote data to PEB
SUP 01/21/2014 19:01:27 0001211 Terminal votes to PEB successful
SUP 01/21/2014 19:01:27 0001214 Transfer terminal writein data to PEB
SUP 01/21/2014 19:01:34 0001215 Terminal write-in data to PEB successful
SUP 01/21/2014 19:01:34 0001222 Terminal vote collection successful
SUP 01/21/2014 19:01:35 0002803 Terminal - closed state
SUP 01/21/2014 19:01:35 0001673 Terminal Closed
SUP 01/21/2014 19:01:43 0001401 Copy terminal flash audit data to CF
SUP 01/21/2014 19:01:43 0001400 Verify terminal flash audit data
SUP 01/21/2014 19:01:51 0001416 Copy audit data from TF 1 to CF
```

Each event has an event code and a description of the event. The log segment shown above shows a typical set of events or operations that occur on a single machine during an election. The first message is always “0000601 Zero terminal config data” and the last is always “0001416 Copy audit data from TF 1 to CF”.

Note: there are a couple of event sequences that are created by improper insertion of the PEB into the voting machine. Usually the PEB is pulled before it has a chance to handshake properly with the voting machine. Depending of the timing of that pulling, a sequence similar to the sequences below can be generated.

```
SUP 01/21/2014 12:37:46 0002400 PEB access failed
SUP 01/21/2014 12:37:46 0000706 Failed to retrieve EQC from PEB
SUP 01/21/2014 12:37:46 0001635 Terminal shutdown - IPS exit

SUP 01/21/2014 16:03:43 0001720 PEB pulled during PEB block verify
SUP 01/21/2014 16:03:43 0002210 PEB block CRC error
SUP 01/21/2014 16:03:43 0001302 Failed to get PEB vote header block
SUP 01/21/2014 16:03:44 0002400 PEB access failed
SUP 01/21/2014 16:03:44 0000706 Failed to retrieve EQC from PEB
```

# Audit File Descriptions

```
SUP 01/21/2014 16:03:45 0001635 Terminal shutdown - IPS exit
```

When this happens, the poll worker waits a few seconds and tries again, waiting longer after the insertion and the voting process continues normally. Despite the alarming message “Terminal shutdown - IPS exit” this is not a critical error. It is a message that states that the terminal session initiated by the insertion of the PEB has ended.