

Edgefield 2018 Statewide Primary Runoff Audit Report

Edgefield Ballot Audit Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 09:49:47, Thu Jun 28, 2018

Prec Nber	Precinct Name	EL30A							Audit				Comments
		Total	DS850	M650	DS200	M100	iVo	Flash	iVo	Opt	Man	Delta	
0001	Edgefield No. 1	109	0	0	0	0	109	0	109	0	0	0	
0002	Edgefield No. 2	130	0	0	0	0	130	0	130	0	0	0	
0004	Johnston No. 1	83	0	0	0	0	83	0	83	0	0	0	
0005	Johnston No. 2	114	0	0	0	0	114	0	114	0	0	0	
0006	Trenton	75	0	0	0	0	75	0	75	0	0	0	
0007	Merriwether 1	258	0	0	0	0	258	0	258	0	0	0	
0008	Westside	123	0	0	0	0	123	0	123	0	0	0	
0009	Harmony	123	0	0	0	0	123	0	123	0	0	0	
0010	Northside	62	0	0	0	0	62	0	62	0	0	0	
0011	Brunson	40	0	0	0	0	40	0	40	0	0	0	
0012	Merriwether 2	304	0	0	0	0	304	0	304	0	0	0	
0013	Trenton 2	80	0	0	0	0	80	0	80	0	0	0	
Precincts Total:		1501	0	0	0	0	1501	0	1501	0	0	0	
0750	Absentee	77	0	0	0	11	66	0	66	11	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	0	0	0	
0850	Failsafe	0	0	0	0	0	0	0	0	0	0	0	
0900	Provisional	0	0	0	0	0	0	0	0	0	0	0	
0950	Failsafe Provisional	0	0	0	0	0	0	0	0	0	0	0	
Virtual Precincts Total:		77	0	0	0	11	66	0	66	11	0	0	
Grand Total:		1578	0	0	0	11	1567	0	1567	11	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: 6
 The following precincts have no ballots cast in them: Emergency, Failsafe, Provisional, Failsafe Provisional 1
 This audit is complete and has no exceptions.

Status of ERM Reports
 EL30A is marked Official
 EL45A is marked Official

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

EL30A Ivo Ballots	EL155 Ballots	EL152 Ballots
1567	1567	1567
Delta from EL30A	0	0
	Delta from EL155	0
	Cast By Voter	1566
	Cast By Poll Wkr	0
	Blank Cast by PW	1
	Cancelled Ballots	22
	Wrong Ballot	1
	Voter Left AB	0
	Voter Left BB	0
	Voter Request	2
	Printer Problem	1
	Terminal Problem	7
	Other Reason	11

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

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

Note: The following machines(s) have audit records but no ballots were cast on them: 5105163
 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.

Edgefield 2018 Statewide Primary Runoff Audit Report

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 nubmer ballots cast in the EL30A match the numbers in the EL155 and the EL152 report. Then there are some statistics pulled from the EL152 repor 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.

 Edgefield Vote Level Audit Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 09:50:23, Thu Jun 28, 2018

Precinct Number / Name	EL30A	Audit	Party	Total	DS850	M650	DS200	M100	iVo
Office	iVo Delta	Comments	Candidate						

0001 Edgefield No. 1	#####								
Init - Governor			Henry McMaster	70	0	0	0	0	70
0 70 0									
Init - Governor			John Warren	39	0	0	0	0	39
0 39 0									
Init - Attorney General			Todd Atwater	39	0	0	0	0	39
0 39 0									
Init - Attorney General			Alan Wilson	67	0	0	0	0	67
0 67 0									

0002 Edgefield No. 2	#####								
Init - Governor			Henry McMaster	87	0	0	0	0	87
0 87 0									
Init - Governor			John Warren	42	0	0	0	0	42
0 42 0									
Init - Attorney General			Todd Atwater	49	0	0	0	0	49
0 49 0									
Init - Attorney General			Alan Wilson	73	0	0	0	0	73
0 73 0									

0004 Johnston No. 1	#####								
Init - Governor			Henry McMaster	49	0	0	0	0	49
0 49 0									
Init - Governor			John Warren	33	0	0	0	0	33
0 33 0									
Init - Attorney General			Todd Atwater	24	0	0	0	0	24
0 24 0									
Init - Attorney General			Alan Wilson	53	0	0	0	0	53
0 53 0									

0005 Johnston No. 2	#####								
Init - Governor			Henry McMaster	73	0	0	0	0	73
0 73 0									
Init - Governor			John Warren	41	0	0	0	0	41
0 41 0									
Init - Attorney General			Todd Atwater	39	0	0	0	0	39
0 39 0									
Init - Attorney General			Alan Wilson	69	0	0	0	0	69
0 69 0									

0006 Trenton	#####								
Init - Governor			Henry McMaster	58	0	0	0	0	58
0 58 0									
Init - Governor			John Warren	17	0	0	0	0	17
0 17 0									
Init - Attorney General			Todd Atwater	26	0	0	0	0	26
0 26 0									
Init - Attorney General			Alan Wilson	48	0	0	0	0	48
0 48 0									

0007 Merriwether 1	#####								
Init - Governor			Henry McMaster	174	0	0	0	0	174
0 174 0									
Init - Governor			John Warren	83	0	0	0	0	83
0 83 0									
Init - Attorney General			Todd Atwater	113	0	0	0	0	113
0 113 0									
Init - Attorney General			Alan Wilson	125	0	0	0	0	125
0 125 0									

0008 Westside

Edgefield 2018 Statewide Primary Runoff Audit Report

#####							
Init - Governor	Henry McMaster	85	0	0	0	0	85
0 85 0							
Init - Governor	John Warren	38	0	0	0	0	38
0 38 0							
Init - Attorney General	Todd Atwater	51	0	0	0	0	51
0 51 0							
Init - Attorney General	Alan Wilson	67	0	0	0	0	67
0 67 0							
0009 Harmony							
#####							
#####							
Init - Governor	Henry McMaster	71	0	0	0	0	71
0 71 0							
Init - Governor	John Warren	52	0	0	0	0	52
0 52 0							
Init - Attorney General	Todd Atwater	41	0	0	0	0	41
0 41 0							
Init - Attorney General	Alan Wilson	80	0	0	0	0	80
0 80 0							
0010 Northside							
#####							
#####							
Init - Governor	Henry McMaster	44	0	0	0	0	44
0 44 0							
Init - Governor	John Warren	17	0	0	0	0	17
0 17 0							
Init - Attorney General	Todd Atwater	21	0	0	0	0	21
0 21 0							
Init - Attorney General	Alan Wilson	39	0	0	0	0	39
0 39 0							
0011 Brunson							
#####							
#####							
Init - Governor	Henry McMaster	25	0	0	0	0	25
0 25 0							
Init - Governor	John Warren	15	0	0	0	0	15
0 15 0							
Init - Attorney General	Todd Atwater	9	0	0	0	0	9
0 9 0							
Init - Attorney General	Alan Wilson	27	0	0	0	0	27
0 27 0							
0012 Merriwether 2							
#####							
#####							
Init - Governor	Henry McMaster	193	0	0	0	0	193
0 193 0							
Init - Governor	John Warren	109	0	0	0	0	109
0 109 0							
Init - Attorney General	Todd Atwater	122	0	0	0	0	122
0 122 0							
Init - Attorney General	Alan Wilson	162	0	0	0	0	162
0 162 0							
0013 Trenton 2							
#####							
#####							
Init - Governor	Henry McMaster	54	0	0	0	0	54
0 54 0							
Init - Governor	John Warren	26	0	0	0	0	26
0 26 0							
Init - Attorney General	Todd Atwater	42	0	0	0	0	42
0 42 0							
Init - Attorney General	Alan Wilson	32	0	0	0	0	32
0 32 0							
0750 Absentee							
#####							
#####							
Init - Governor	Henry McMaster	41	0	0	0	8	33
0 33 0							
Init - Governor	John Warren	36	0	0	0	3	33
0 33 0							
Init - Attorney General	Todd Atwater	29	0	0	0	3	26
0 26 0							
Init - Attorney General	Alan Wilson	46	0	0	0	8	38
0 38 0							
0800 Emergency							
#####							
#####							
Init - Governor	Henry McMaster	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
Init - Governor	John Warren	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
Init - Attorney General	Todd Atwater	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
Init - Attorney General	Alan Wilson	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
0850 Fail safe							
#####							
#####							
Init - Governor	Henry McMaster	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
Init - Governor	John Warren	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
Init - Attorney General	Todd Atwater	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
Init - Attorney General	Alan Wilson	0	0	0	0	0	0
0 * No Votes Cast - No Audit Data expected.							
0900 Provisional							
#####							
#####							
Init - Governor	Henry McMaster	0	0	0	0	0	0

Edgefield 2018 Statewide Primary Runoff Audit Report

0 * No Votes Cast - No Audit Data expected.
 Init - Governor John Warren 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.
 Init - Attorney General Todd Atwater 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.
 Init - Attorney General Alan Wilson 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.

0950 Failsafe Provisional 1

 Init - Governor Henry McMaster 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.
 Init - Governor John Warren 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.
 Init - Attorney General Todd Atwater 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.
 Init - Attorney General Alan Wilson 0 0 0 0 0 0
 0 * No Votes Cast - No Audit Data expected.
 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

 Edgefield EL30A45A Comparison Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 9:50:32, Thu Jun 28, 2018

-----EL30A-----						-----EL45A-----							
Office	Tot	DS850	M650	DS200	M100	Candidate	Party	Tot	DS850	M650	DS200	M100	iVo
Flash						iVo Flash Del ta							
Governor						Henry McMaster		1024	0	0	0	8	1016
0	1024	0	0	0	8	1016 0 0							
Governor						John Warren		548	0	0	0	3	545
0	548	0	0	0	3	545 0 0							
Attorney General						Todd Atwater		605	0	0	0	3	602
0	605	0	0	0	3	602 0 0							
Attorney General						Alan Wilson		888	0	0	0	8	880
0	888	0	0	0	8	880 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.

Edgefield 2018 Statewide Primary Runoff Audit Report

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.

 Edgefield PEB Use Report
 Election: 2018 Statewide Primary Runoff
 Audit Date: 09:49:47, Thu Jun 28, 2018

Precinct	PEBs Used	Comments
Edgefield No. 1	153605	
Edgefield No. 2	155111	
Johnston No. 1	153515	
Johnston No. 2	154687	
Trenton	154670	
Merriwether 1	154507	
Westside	154961	
Harmony	154016	
Northside	134084	
Brunson	154152	
Merriwether 2	153873	
Trenton 2	154903	
Absentee	153884	

13 precincts processed

The following precinct(s) have no ballots cast in them: Emergency, Failsafe, Provisional, Failsafe Provisional 1
 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.

 Edgefield PEB Exceptions Report
 Election: 2018 Statewide Primary Runoff
 Election date: 2018-06-26
 Audit Date: 09:49:47, Thu Jun 28, 2018

iVo #	Op PEB	Open Time	Cl PEB	Close Time	Exception Type	Precinct - Ballots Cast
5118505	153884	2018-06-18 16:18:07	153884	2018-06-26 19:04:05	>>Open Date<<	Absentee - 41
5118505	153884	2018-06-18 16:18:07	153884	2018-06-26 19:04:05	Open Time	Absentee - 41
5122618	153884	2018-06-18 16:22:18	153884	2018-06-26 19:01:10	>>Open Date<<	Absentee - 25
5122618	153884	2018-06-18 16:22:18	153884	2018-06-26 19:01:10	Open Time	Absentee - 25

The following machines(s) have audit records but no ballots were cast on them: 5105163
 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 2018-06-26. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.