Horry Ballot Audit Report Election: 2016 Statewide Runoff Audit Date: 11:59:49, Thu Jun 30, 2016

Prec	Preci nct		EL3	OA			Audi	t		-1
Nber	Name	Total	0pt	i Vo	FI ash	i Vo	0pt	Man	Del ta	Comments
0108	Burgess #1	156	0	156	0	156	0	0	0	· -
0109	Burgess #2	178	0	178	0	178	0	0	0	
0121	Deerfi el d	128	0	128	0	128	0	0	0	
0133	Enterpri se	124	0	124	0	124	0	0	0	
0138	Garden City #1	87	0	87	0	87	0	0	0	
0139	Garden City #2	150	0	150	0	150	0	0	0	
0140	Garden City #3	80	0	80	0	80	0	0	0	
0141	Garden City #4	40	0	40	0	40	0	0	0	
0142	Gl enns Bay	76	0	76	0	76	0	0	0	
0153	Jet Port #1	12	0	12	0	12	0	0	0	
0154	Jet Port #2	143	0	143	0	143	0	0	0	
0158	Lake Park	128	0	128	0	128	0	0	0	
0165	Marlowe #1	96	0	96	0	96	0	0	0	
0197	Sea Winds	101	0	101	0	101	0	0	0	
0199	Socastee #1	125	0	125	0	125	0	0	0	
0202	Socastee #4	14	0	14	0	14	0	0	0	
0204	Surfside #1	149	0	149	0	149	0	0	0	
0205	Surfside #2	122	0	122	0	122	0	0	0	
0206	Surfside #3	110	0	110	0	110	0	0	0	
0207	Surfside #4	123	0	123	0	123	0	0	0	
0219	Burgess #3	158	0	158	0	158	0	0	0	
0220	Marlowe #2	191	0	191	0	191	0	0	0	
0221	Burgess #4	110	0	110	0	110	0	0	0	
0222	Marlowe #3	51	0	51	0	51	0	0	0	
Preci nct	s Total:	2652	0	2652	0	2652	0	0	0	
0750	Absentee	57	26	31	0	31	26	0	0	
0800	Emergency	0	0	0	0	0	0	0	0	
0850	Fai I safe [*]	0	0	0	0	0	0	0	0	
0900	Provi si onal	9	9	0	0	0	9	0	0	
0950	Failsafe Provisional	0	0	0	0	0	0	0	0	
Vi rtual	Precincts Total:	66	35	31	0	31	35	0	0	
Grand To	tal:	2718	35	2683	0	2683	35	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 containg no votes: 12
The following precincts have no ballots cast in them: Emergency, Failsafe, Failsafe 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	
2683 Delta from EL30A	2683 0 Delta from EL155	2683 0 0	
	Cast By Voter Cast By Poll Wkr Blank Cast by PW	2683 0 0	
-	Cancelled Ballots	49	-
	Wrong Ballot Voter Left AB Voter Left BB Voter Request Printer Problem Terminal Problem Other Reason	7 1 1 7 2 4 27	(AB = After ballot selected by poll worker.) (BB = Before ballot selected by poll worker)
	2683	Delta from EL30A Delta from EL30A Cast By Voter Cast By Poll Wkr Blank Cast by PW Cancelled Ballots Wrong Ballot Voter Left AB Voter Left BB Voter Request Printer Problem Terminal Problem	2683 2683 0 0 0 0 Delta from EL30A Delta from EL155 Delt

Number of ADA audio enabled events in this election: 25

Precinct Number and Name Machine Date

Precinct Number and Name	Machi ne	Date	Ti me
O108 Burgess #1 O109 Burgess #2 O121 Deerfield O133 Enterprise O138 Garden City #1 O140 Garden City #3 O140 Garden City #3 O142 Glenns Bay O153 Jet Port #1 O153 Jet Port #1 O158 Lake Park O165 Marlowe #1 O165 Marlowe #1 O197 Sea Winds O199 Socastee #4 O204 Surfside #2 O206 Surfside #3	5122417 5135530 5131904 5128562 5188049 5136003 5136003 5122956 5133104 51231304 5125251 5124295 5135581 5125251 5135581 5122808 5138519 5124204 5121612 5123136	06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016 06/23/2016	11: 31: 41 11: 43: 01 11: 54: 23 13: 53: 04 11: 34: 14 11: 33: 34 11: 32: 43 11: 54: 01 13: 53: 54 13: 59: 44 13: 59: 44 13: 54: 32 11: 43: 58 11: 44: 02 13: 55: 40 11: 45: 30 13: 55: 10 14: 20: 53 14: 11: 54
0207 Surfsi de #4	5128055	06/23/2016	11: 32: 53

0220 0221	Burgess #3 Marlowe #2 Burgess #4	5132978 5121522	06/23/2016 11: 43: 11 06/23/2016 13: 53: 46 06/23/2016 11: 31: 43
UNKN	Unknown Unknown		06/23/2016 13: 59: 01 06/23/2016 13: 52: 25

Election Date: 06/28/2016

In all but the Absentee Precient events reported before election day are due to testing. Machines reported with precinct unknown had ADA Audio Enabled Events but no ballots were cast on them.

Note: The following machines(s) have audit records but no ballots were cast on them: 5123839, \(\partial \) 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 immdiately 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 precince 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 precint 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 electonically 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 auditiVotronic 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 highlited 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.

Horry Vote Level Audit Report Election: 2016 Statewide Runoff

Audit Date: 12:23:55, Thu Jun 30, 2016

Precinct Number / Name		_ -			30A		Audi t		
Office	Candi date	Party	Total	Opti cal	i Vo	FI ash	i Vo	Del ta	Comments
0108 Burgess #1 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch		60 95	0	60 95	0	60 95	0	
0109 Burgess #2 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch		87 88	0 0	87 88	0 0	87 88	0	
0121 Deerfield State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch		43 83	0 0	43 83	0 0	43 83	0	

	Horry 2016 State	ewide Runoff Aud	it Report				
Board of Education District 4 Board of Education District 4	David E Cox Scott W Thompson	73 43	0	73 43	0	73 43	0 0
0133 Enterprise State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	42 81 5 14	0 0 0	42 81 5 14	0 0 0	42 81 5 14	0 0 0 0
0138 Garden City #1 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	44 43	0 0	44 43	0 0	44 43	0 0
0139 Garden City #2 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	88 61	0	88 61	0 0	88 61	0
0140 Garden City #3 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	37 43	0	37 43	0	37 43	0
0141 Garden City #4 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	18 22	0	18 22	0	18 22	0
0142 Glenns Bay State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	34 42	0 0	34 42	0 0	34 42	0
0153 Jet Port #1 Board of Education District 4 Board of Education District 4	David E Cox Scott W Thompson	8 4	0 0	8 4	0 0	8 4	0
0154 Jet Port #2 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	85 58 67 66	0 0 0 0	85 58 67 66	0 0 0 0	85 58 67 66	0 0 0 0
0158 Lake Park State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	46 82	0 0	46 82	0	46 82	0
0165 Marlowe #1 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	47 49 39 50	0 0 0	47 49 39 50	0 0 0	47 49 39 50	0 0 0 0

O197 Sea Winds State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	42 57 40 22	0 0 0 0	42 57 40 22	0 0 0 0	42 57 40 22	0 0 0 0
O199 Socastee #1 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	68 57 7 9	0 0 0 0	68 57 7 9	0 0 0	68 57 7 9	0 0 0 0
0202 Socastee #4 Board of Education District 4 Board of Education District 4	David E Cox Scott W Thompson	6 8	0 0	6 8	0	6 8	0
0204 Surfside #1 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	86 63	0 0	86 63	0	86 63	0
0205 Surfside #2 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	63 58	0	63 58	0	63 58	0
0206 Surfside #3 State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	49 61	0	49 61	0	49 61	0
0207 Surfside #4 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	46 74 44 68	0 0 0 0	46 74 44 68	0 0 0 0	46 74 44 68	0 0 0 0
0219 Burgess #3 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	93 64 77 70	0 0 0 0	93 64 77 70	0 0 0	93 64 77 70	0 0 0 0
O220 Marlowe #2 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	100 91 109 69	0 0 0	100 91 109 69	0 0 0 0	100 91 109 69	0 0 0 0

0221 Burgess #4

Horry 2016 Statewide Runoff Audit Report							
State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch	65 45	0	65 45	0 0	65 45	0
O222 Marlowe #3 State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	18 32 27 20	0 0 0	18 32 27 20	0 0 0	18 32 27 20	0 0 0 0
0750 Absentee State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	31 26 8 11	12 14 2 4	19 12 6 7	0 0 0	19 12 6 7	0 0 0 0
0800 Emergency State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	0 0 0 0	0 0 0	0 0 0 0	0 * No 0 * No	Audit Da Audit Da	ta expected or found ta expected or found ta expected or found ta expected or found
0850 Failsafe State Senate District 34 State Senate District 34 Board of Education District 4 Board of Education District 4	Reese Boyd Stephen Goldfinch David E Cox Scott W Thompson	0 0 0 0	0 0 0 0	0 0 0 0	0 * No 0 * No	o Audit Da o Audit Da	ta expected or found ta expected or found ta expected or found ta expected or found
0900 Provisional State Senate District 34	Reese Boyd	1	1	0	* ir	n this pre	ast for this candidate cicnt are optical. ta for optical.
State Senate District 34	Stephen Goldfinch	6	6	0	* ir	n this pre	ast for this candidate cicnt are optical. ta for optical.
Board of Education District 4	David E Cox	3	3	0	* ir	n this pre	ast for this candidate cicnt are optical. ta for optical.
Board of Education District 4	Scott W Thompson	0	0	0	0 * No	Audit Da	ta expected or found
0950 Failsafe Provisional State Senate District 34 State Senate District 34 There was no unmatched audit data	Reese Boyd Stephen Goldfinch	0	0	0			ta expected or found ta expected or found

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 Ocounting the number of times a candidate name for a contest appears in a precint 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 electonically 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 precient 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.

Finaly 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

EL 201

Horry EL30A45A Comparison Report Election: 2016 Statewide Runoff

Audit Date: 12:1:27, Thu Jun 30, 2016

		4			A – – – – – – – –	+-			FI 45A			+
Office	Candi date	Party	Tot	Opt	i Vo Fl	ash	Tot	0pt	i Vo	FI ash	Del ta	į
State Senate District 34 State Senate District 34	Reese Boyd Stephen Goldfinch		1293 1381	13 20	1280 1361	0	1293 1381	13 20	1280 1361	())	0
Board of Education District 4 Board of Education District 4	David E Cox Scott W Thompson		513 454	5 4	508 450	0	513 454	5 4	508 450	()	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.

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Horry PEB Use Report Election: 2016 Statewide Runoff

Audit Date: 11:59:49, Thu Jun 30, 2016

Precinct	PEBs Used	Comments
Burgess #1 Burgess #2 Deerfield Enterprise Garden City #1 Garden City #2 Garden City #3 Garden City #4 Glenns Bay Jet Port #1 Jet Port #2 Lake Park Marlowe #1 Sea Winds Socastee #4 Surfside #1 Surfside #2 Surfside #3 Surfside #4 Burgess #3 Marlowe #2 Burgess #4 Marlowe #3 Absentee	147873 151275 150117 143729 154938 133402 141185 139912 150414 145463 154352 154580 145516 103791 153783 119865 139413 151260 134473 152394 124003 153762 100325 229438 145413	

25 precincts processed

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

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.

Horry PEB Exceptions Report Election: 2016 Statewide Runoff

Election date: 06/28/2016

Audit Date: 11:59:49, Thu Jun 30, 2016

i Vo # Op PEB	Open Time	CI PEB	Close Time	Exception Type	Precinct - Ballots Cast
5116422 145413 5125251 145516 5128562 143729 5128959 143729 5132002 145413	06/21/2016 10: 12: 56 06/21/2016 10: 12: 56 06/28/2016 07: 05: 47 06/28/2016 07: 03: 25 06/28/2016 07: 06: 51 06/21/2016 10: 15: 08 06/21/2016 10: 15: 08	145413 145516 143729 143729 145413	06/28/2016 19: 01: 50 06/28/2016 19: 01: 50 06/28/2016 19: 09: 11 06/28/2016 19: 01: 15 06/28/2016 19: 03: 45 06/28/2016 19: 01: 18 06/28/2016 19: 01: 18	<pre>>>Open Date<< Open Time Open Time Open Time Open Time >>Open Date<< Open Time</pre>	Absentee - 16 Absentee - 16 Marlowe #1 - 7 Enterprise - 5 Enterprise - 51 Absentee - 15 Absentee - 15
5147592 143729	06/28/2016 07: 05: 54	143729	06/28/2016 19: 03: 38	Open Time	Enterprise - 68

The following machines(s) have audit records but no ballots were cast on them: 5123839, $^{\circ}$ 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 precint machines are opened during the middle of the day several days before the election date of 06/28/2016. So it is normal for these machines to appear on this report with Open Date and Open Time exceptions.