CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

EB3-P3 - 303
2007-CDOTS-HAR-001-0404

Sequence of Resolution Procedures for Central Count Optical Scan Procedures are (1) A zero tape shall be run indicating no votes cast or counted before the counting begins.

Test Number: EB3-P3-303
Test Date: 9/27/2007
Test End Date/Time: 9/27/2007
Test Type (D,E,R): Functional
Equipment Type: CCOS
Equipment Model: Ball. New
Serial number: 
Manufacturer: Hart InterCivic

Purpose:
The purpose of this test is to verify that the OS unit shall print a zero tape prior to the start of counting votes.

Prerequisites:

Test Procedures:
Use DB3-P3-307 for test setup and voting. Document the process for initiating ballot processing and the ability to print a zero report prior to processing ballots.

Variance Used During Testing:

Test Expected Outcome:
The central counting module produces a zero report before counting begins.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Entries</th>
<th>Decisions and Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Attachments**

- Documents (list all documents): Yes
- Videos (list all videos): No
- Photos (list all photos): No

Signed: 11-19-07

**Results Summary**

TEST DOES MEET EXPECTED OUTCOME

- Pass

**1st Review**

T. Bishop

Printed name: [Signature]

Date: 11/20/07

**2nd Review**

Danny Casias

Printed name: [Signature]

Date: 11/30/07

**Supervisor Approval**

John Gardner

Printed name: [Signature]

Date: 12/3/07
Additional Observations and Findings

Observations:
The voting system is not capable of printing a zero report that prints out a list of candidate by candidate results indicating no votes cast or counted for any of the groups. See sample of reports from Ballot Now in evidence bags 0926-HAR-O-42, 0926-HAR-O-43.

11-19-2007 Addendum: See the attached report EB3-P3-303_111907-0001a "Election Report - Unofficial". The voting system does have the ability to meet the requirements of this test by printing a report that reflects no votes have been cast or counted before counting begins.

Findings:
The voting system fails to meet the requirements.

11-19-2007 Addendum: The voting system meets the requirements of this test.

T. Bishop  
Printed name

Signature  11-20-07  Date

Danny Casias  
Printed name

Signature  11-20-07  Date

John Gardner  
Printed name

Signature  12/3/07  Date
**Election Report - Unofficial**

**Colorado Certification Election - Sample County, Colorado - 11/11/2009**

<table>
<thead>
<tr>
<th>Election Title:</th>
<th>Colorado Certification Election</th>
</tr>
</thead>
<tbody>
<tr>
<td>Election State:</td>
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</tr>
<tr>
<td>Jurisdiction Title:</td>
<td>Sample County, Colorado</td>
</tr>
<tr>
<td>Election Date:</td>
<td>11/11/2009</td>
</tr>
<tr>
<td>BOSS Election ID:</td>
<td>45</td>
</tr>
<tr>
<td>Ballot Now ID:</td>
<td>1189023878</td>
</tr>
<tr>
<td>Public Counter:</td>
<td>0</td>
</tr>
<tr>
<td>Private Counter:</td>
<td>48389</td>
</tr>
<tr>
<td>Number of Scan Batches:</td>
<td>0</td>
</tr>
<tr>
<td>Total Accepted Ballots:</td>
<td>0</td>
</tr>
</tbody>
</table>
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80220

Mike Coffman
Secretary of State

Holly Lowder
Director of Elections

CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number
EC3-P3 - 302

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Recount Procedures for Optical Scan for Central Count Optical Scan Procedures include:
(1) Optical scan equipment must be set to consistent sensitivity standards for each system type, must be tested prior to the recount, and shall be programmed to sort undervotes for the individual race(s), issue(s) or question(s) being recounted.

Purpose:
The purpose of this test is to verify that the OS units will have standard sensitivity standards set as indicated herein.

Prerequisites:
CC3-P3-345

Test Procedures:

Variance Used During Testing:

Test Expected Outcomes:
Optical scan equipment will allow for calibration and testing prior to recounting. Additionally the device will sort undervotes for individual contests, issues, or questions being recounted.
The test log shall contain procedural steps used to conduct and evaluate the tests. At a minimum, these procedural steps shall include any items related to the setup, start, process, measurements, shut down, restarting, stop and restoring the system as necessary.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Operator</th>
<th>Test Log</th>
<th>Activities and Details</th>
<th>Incident Report</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Attachments**

Documents (list all documents) | No ☐ Yes ☐
Videos (list all videos) | No ☐ Yes ☐
Photos (list all photos) | No ☐ Yes ☐

**Acceptable Compensating Controls**

**Result Summary**

THE VOTING SYSTEM DOES NOT MEET THE REQUIREMENTS.  
FAIL

**1st Review**

Danny Casias  
Printed name

**2nd Review**

John Gardner  
Printed name

**Supervisor Approval**

Signature  
Date 12/9/07
Additional Observations and Findings

Observations:
See notes on CC3-P3-345. The device is not capable of sorting ballots as required, and the automated software process is not capable of accurately identifying overvotes.

11/30/07 Addendum: The initial problem with the recall ballots was incorrect programming by the vendor. While this issue was corrected and new ballots provided to the testing board, the scanners were unable to accurately process the ballots. The testing board places a high value on the ability to process the ballots provided, which we were unable to accomplish. See extensive video record from 11/29/07.

Findings:
The voting system does not meet the test requirements.