CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC1-P3 - 122
Purpose:
The purpose of this test is to verify that ballots are printed and tested with programming to accommodate the Colorado recall question.

Test Procedures:
Ballots must be proofed, marked, and system tested for validity.

Prerequisites:
Inform vendors

Variances Used During Testing:

Test Expected Outcome:
The voting system shall be capable of functionally conducting a recall election as prescribed.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Events</th>
<th>Incident Report</th>
</tr>
</thead>
</table>

The test log shall contain procedural steps used to conduct and evaluate the test. At a minimum, these procedural steps shall include any items related to the setup, start, process, measurements, shut down, retaring, stop and restoring the system as necessary.
### Test Log

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Entries</th>
<th>Incident Report</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

### Attachments

**Documents** (list all documents)
- CC4-P3-411

**Videos** (list all videos)
- 11-21-2007

**Photos** (list all photos)
- No ☐ Yes ☒

### Acceptable Compensating Controls

### Result Summary

**TEST DOES MEET EXPECTED OUTCOME**

<table>
<thead>
<tr>
<th>1st Review</th>
<th>2nd Review</th>
<th>Supervisor Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jerome Longo</td>
<td>Michael Andrews</td>
<td>John Gardner</td>
</tr>
</tbody>
</table>

**Printed name**

**Signature**

**Date**

<table>
<thead>
<tr>
<th>2nd Review Signature Date</th>
<th>2nd Review Signature Date</th>
<th>Supervisor Approval Signature Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/20/07</td>
<td>12/05/07</td>
<td>12/14/07</td>
</tr>
</tbody>
</table>

**Printed name**

**Signature**

**Date**
Additional Observations and Findings

Observations:
11-21-07 Addendum: See CC4-P3-411. Recall election was processed using default templates of the system. CC4-P3-411 has details on the processing of the ballots and election data used. Original error was caused by incorrect programming from vendor. See CDP-P3.101 for test record details (Addendum).

Findings:
Voting system does not meet the requirements of this test.

11-21-07 Addendum: The voting system meets the requirements of this test.
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC2-P3 - 228
Ballot design shall cover the scope of allowable designs for the given system. For example, if a system is capable of producing 11" and 18" ballots, then both ballot styles shall be tested in each of the elections above. If more sizes are available, they shall also be tested. Ballots must be designed and presented with a maximum of four (4) columns and a minimum of one (1) column.

**Purpose:**

The purpose of this test is to verify that the voting system provider has provided ballots in all formats possible by the system each type of ballot shall be presented for testing.

**Test Procedures:**

System is capable of producing ballots as documented. Design allows for at least one column and at most 4 columns.

**Prerequisites:**

All applicable ballot definitions and templates.
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.
## Test Log

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operation</th>
<th>Activity and Entries</th>
<th>Incident Reports</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 [X] Yes [ ]
- **Videos** (list all videos): Yes [X] No [ ]
  - See video from 11/21
  - 11/27
- **Photos** (list all photos): Yes [ ] No [X]

### Acceptable Compensating Controls

### Results Summary

**TEST DOES NOT MEET EXPECTED OUTCOME**

### Final Test Status

- [ ] Pass
- [X] Fail

### Signature and Date

- **T. Bishop**
  - Printed name
  - Signature: [ ] Date: 11/27/07
- **M. Gardner**
  - Printed name
  - Signature: [ ] Date: 12/4/07

---

*Voting Systems Certification Program*

*Created by the Colorado Secretary of State's Office*
Additional Observations and Findings

Observations:
See DB2-P3-220 and decks HAR-1CA, HAR-1PA, and HAR-1RA. Ballots were of 11in. and 14in. Length the system is capable of additional sizes. See attached photos. Additionally see CC2-P3-225, voting system failed to generate a paper ballot for twenty pairs of yes/no questions. Vendor did not supply a template capable of creating four columns.

11-27-2007 Addendum: The testing board did request from the vendor during re-testing a template capable of creating a four column ballot. The subsequent ballots supplied were too large to process through the eScan device. (11 x 17 page format)

See notes on CC2-P3-240.

Findings:
Voting system does not meet the requirements of this test.

T. Bishop
Printed name
Signature 11-27-07
Date

MICHAEL L. CAMPBELL
Printed name
Signature 12/8/07
Date

 JOHN GARDNER
Printed name
Signature 12/4/07
Date
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

CC2-P3 - 233
**Purpose:**
The purpose of this test is to verify that ballots provided comply with the requirements for ballot layout, stubs and headers as defined within.

**Prerequisites:**

**Test Procedures:**

**Variances Used During Testing:**

**Test Expected Outcome:**
Paper ballot supplied by the vendor complies and is capable of stubs/header information as indicated in requirements. Record all observations, findings and combinations as appropriate.
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>Time</th>
<th>Operator</th>
<th>Activities and Entries</th>
<th>Incident Report</th>
</tr>
</thead>
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</tr>
<tr>
<td>Date</td>
<td>Time</td>
<td>Operator</td>
<td>Test Log Activities and Entries</td>
<td>Incident Report</td>
</tr>
<tr>
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</tbody>
</table>

**Attachment**

<table>
<thead>
<tr>
<th>Documents (list all documents)</th>
<th>No</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Videos (list all videos)</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Photos (list all photos)</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Acceptable Compensating Controls**

**Result Summary**

**TEST DOES NOT MEET EXPECTED OUTCOME**

**Final Test Status**

FAIL

**1st Review**

Danny Casias  
Printed name

Signature  11/10/07  
Date

**2nd Review**

Michael C. Cudworth  
Printed name

Signature  12/05/07  
Date

**Supervisor Approval**

John Gardner  
Printed name

Signature  12/07/07  
Date
Additional Observations and Findings

Observations:
See attached photos, space of at least one half inch between columns fails, ballot stub is located at the bottom of ballot on demand ballot. Test requirement of "Official Ballot for ..." was not provided by the vendor for this certification.

11-29-2007 Addendum: The vendor failed to provide the ballots necessary to complete the testing by the test board in many ways. Design layout was not provided to meet the above stated requirements - space between columns, statement of official ballots for..., and ballot stub design. Due to the vendor not providing the information, it is impossible to test items that the test board does not have.

Findings:
Voting system does not meet the requirements of this test.

1st Review 2nd Review Supervisor Approval

Danny Cassas        Measure L. Crossen    John Gardner
Printed name        Printed name        Printed name

Signature 12/13/07  Signature 12/03/07  Signature 12/17/07
Date                  Date                  Date
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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**

CC2-P3 - 237
Ballots shall include the following minimum race situations to simulate and test "real world" situations in the State of Colorado; Allow for programming to accommodate Colorado recall questions as prescribed in Article 12 of Title 1, C.R.S.;

Purpose:
The purpose of this test is to verify that ballots are printed and tested with programming to accommodate the Colorado recall question.

Test Procedures:
See DB2-P3-220

Prerequisites:
CDA-P3-263

Variance Used During Testing:
n/a

Test Expected Outcome:
The voting system shall be capable of functionally conducting a recall election as prescribed.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Entries</th>
<th>Incident Reports</th>
</tr>
</thead>
</table>

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.

Continue to next page...
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Behavior</th>
<th>Incident/Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Documents** (list all documents)
- CCOS-P3-273-001
- CCOS-P3-273-0024

**Videos** (list all videos)
- See video record from 11/29/07

**Photos** (list all photos)

**Acceptable Compensating Controls**

**Results Summary**

**Test Log**

**Test Number**
- CC2-P3 - 237

**Environment**
- Pre Election - Voting

**2007-CDOS-HAR-001-0404**

**Attachments**

**TEST DOES NOT MEET EXPECTED OUTCOME**

**FAIL**

**1st Review**
- Printed name: Michael L. Chambers
- Signature: 
- Date: 12/03/07

**2nd Review**
- Printed name: Danny Cosas
- Signature: 
- Date: 12/11/07

**Supervisor Approval**
- Printed name: John Gardner
- Signature: 
- Date: 12/14/07

Voting Systems Certification Program

Created by the Colorado Secretary of State's Office
**Observations:**
Recall election failed to tabulate correctly. See DB2-P3-220-09-04-07_005.

Addendum 11/30/07: Originally the problems were caused by incorrect programming by vendor. Upon retesting with correct programming, the voting device did not accurately detect overvote and undervote situations that were caused by ballot processing. Extensive video documentation was collected (4 cameras worth) and should be reviewed. Also see attachments of daily reports indicating count errors.

**Findings:**
Voting system does NOT meet test requirements.

---

**Signature and Dates:***
- **1st Review:**
  - Name: Michael L. Chadwick
  - Date: 12/3/07
- **2nd Review:**
  - Name: Danny Casias
  - Date: 12/3/07
- **Supervisor Approved:**
  - Name: [Signature]
  - Date: 12/4/07
### Question 1a, Vote For 1

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>No</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
</tbody>
</table>

**Cast Votes:**

|                      | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |

**Over Votes:**

|                      | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |

**Under Votes:**

|                      | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |

### Question 1b, Vote For 1

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan Tanner</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>John G. Schley</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Albert Gonzales</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Greg Garcia</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Charlie Bobbitt</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
</tbody>
</table>

**Cast Votes:**

|                      | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |

**Over Votes:**

|                      | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |

**Under Votes:**

<p>|                      | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |</p>
<table>
<thead>
<tr>
<th>Party</th>
<th>Candidate</th>
<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
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<tr>
<td></td>
<td></td>
<td>0 0.00%</td>
<td>51 66.23%</td>
<td>0 0.00%</td>
<td>51 66.23%</td>
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<tr>
<td></td>
<td></td>
<td>0 0.00%</td>
<td>26 33.77%</td>
<td>0 0.00%</td>
<td>26 33.77%</td>
</tr>
<tr>
<td>Question 1a, Vote For 1</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Yes</td>
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<tr>
<td>No</td>
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<tr>
<td>Cast Votes:</td>
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<td>Over Votes:</td>
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<tr>
<td>Under Votes:</td>
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<tr>
<td>Question 1b, Vote For 1</td>
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<td></td>
</tr>
<tr>
<td>Jan Tanner</td>
<td>0 0.00%</td>
<td>11 20.75%</td>
<td>0 0.00%</td>
<td>11 20.75%</td>
<td></td>
</tr>
<tr>
<td>John G. Schley</td>
<td>0 0.00%</td>
<td>11 20.75%</td>
<td>0 0.00%</td>
<td>11 20.75%</td>
<td></td>
</tr>
<tr>
<td>Albert Gonzales</td>
<td>0 0.00%</td>
<td>11 20.75%</td>
<td>0 0.00%</td>
<td>11 20.75%</td>
<td></td>
</tr>
<tr>
<td>Greg Garcia</td>
<td>0 0.00%</td>
<td>10 18.87%</td>
<td>0 0.00%</td>
<td>10 18.87%</td>
<td></td>
</tr>
<tr>
<td>Charlie Bobbitt</td>
<td>0 0.00%</td>
<td>10 18.87%</td>
<td>0 0.00%</td>
<td>10 18.87%</td>
<td></td>
</tr>
<tr>
<td>Cast Votes:</td>
<td>0 0.00%</td>
<td>53 68.83%</td>
<td>0 0.00%</td>
<td>53 68.83%</td>
<td></td>
</tr>
<tr>
<td>Over Votes:</td>
<td>0 0.00%</td>
<td>11 14.29%</td>
<td>0 0.00%</td>
<td>11 14.29%</td>
<td></td>
</tr>
<tr>
<td>Under Votes:</td>
<td>0 0.00%</td>
<td>13 16.88%</td>
<td>0 0.00%</td>
<td>13 16.88%</td>
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</tr>
</tbody>
</table>
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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
CC2-P3 - 239
2007-CDOS-HAR-001-0404

Rule or Statute
1-5-615(1)(g)

Test Procedure Specification

No electronic or electromechanical voting system shall be certified by the secretary of state unless such system:
For electronic and electromechanical voting systems using ballot cards, accepts an overvoted or undervoted ballot if the elector chooses to cast the ballot, but it does not record a vote for any office, ballot question, or ballot issue that has been overvoted.

Purpose:
The purpose of this test is to verify that the voting device accepts an overvote or undervoted ballot if the voter chooses to cast it, but does not record a vote for the office if it has been overvoted.

Prerequisites:

Test Procedures:
CC2-P3-210, CC2-P3-217, and DB2-P3-220.

Variances Used During Testing:

The voting system will accept the ballot for an overvote/undervote condition if chosen by the voter, but does not record a vote on any office, ballot question, or ballot issue that was overvoted/undervoted.
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>Documents (list all documents)</th>
<th>No [x]</th>
<th>Yes [ ]</th>
<th>Videos (list all videos)</th>
<th>No [ ]</th>
<th>Yes [x]</th>
<th>Photos (list all photos)</th>
<th>No [x]</th>
<th>Yes [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>See video from 11/20/07</td>
<td></td>
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</tr>
</tbody>
</table>

**Acceptable Compensating Controls**

**Result Summary**

**Final Test Status**

**TEST DOES NOT MEET EXPECTED OUTCOME**

<table>
<thead>
<tr>
<th>1st Review</th>
<th>2nd Review</th>
<th>Supervisor Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael L. Castor</td>
<td>Danny Casas</td>
<td>John Gardner</td>
</tr>
<tr>
<td>Printed name</td>
<td>Printed name</td>
<td>Printed name</td>
</tr>
<tr>
<td>Signature</td>
<td>Signature</td>
<td>Signature</td>
</tr>
<tr>
<td>12/3/07</td>
<td>12/3/07</td>
<td>12/3/07</td>
</tr>
<tr>
<td>Date</td>
<td>Date</td>
<td>Date</td>
</tr>
</tbody>
</table>
**Additional Observations and Findings**

**Observations:**
See notes on CC2-P3-210, and DB2-P3-220. The voting device did not accurately process overvotes and undervote situations when ballots were processed. Extensive documentation and video were collected on this issue on 11/29/07.

**Findings:**
Voting system does not meet the requirements of this test.

---

**1st Review**
Michael L. Chadwell  
Printed name

**2nd Review**
Danny Casias  
Printed name

**Supervisor Approval**
John Gardner  
Printed name

---

Signature  
12/03/07  
Date

Signature  
12/4/07  
Date

Signature  
12/4/07  
Date
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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

CC2-P3 - 240
**Purpose:**

The purpose of this test is to verify that races without candidates appear as indicated herein.

---

**Prerequisites:**

---

**Test Procedures:**

---

**Variance Used During Testing:**

---

**Test Expected Outcome:**

Voting system is capable of printing exact words of "No candidate for this office" in situations where no candidates are available. This will be evident in the Software Management, Paper Ballots, on screen for DRE/Accessible units, and audio components.
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>Time</th>
<th>Operator</th>
<th>Activities and Events</th>
<th>Incident Report</th>
</tr>
</thead>
</table>

Continue to next page...
Observations:
Initially this test was unable to be tested because the vendor did not provide programming which included the requirements for ballot text.

Upon retesting (11/29/07) it was discovered that the vendor provided the testing board with non-VSTL tested software (template files) that could not be used by the testing board.

Findings:
Voting system does not meet the requirements of this test.
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 301
<table>
<thead>
<tr>
<th>Rule or Section</th>
<th>1-5-515(1)(g)</th>
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<tr>
<td>Test Number</td>
<td>CC3-P3-301</td>
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<tr>
<td>Test Date</td>
<td>9/25/2007</td>
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<tr>
<td>Test End Date/Time</td>
<td>11/29/2007</td>
</tr>
<tr>
<td>Test Type (D,F,S)</td>
<td>Functional</td>
</tr>
<tr>
<td>Eq/Type</td>
<td>CCOS</td>
</tr>
<tr>
<td>Equipment/Model</td>
<td>Ball, Now</td>
</tr>
<tr>
<td>Serial Number</td>
<td></td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Hart Intercivic</td>
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</table>

### Test Procedure Specification

**Purpose:**

The purpose of this test is to verify that the voting device accepts an overvote or undervoted ballot if the voter chooses to cast it, but does not record a vote for the office if it has been overvoted.

**Test Procedures:**

See DB3-P3-307

**Prerequisites:**

**Variance Used During Testing:**

n/a

**Expected Outcome:**

The voting system will accept the ballot for an overvote/undervote condition if chosen by the voter, but does not record a vote on any office, ballot question, or ballot issue that was overvoted/undervoted.
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>Time</th>
<th>Operator</th>
<th>Activities and Events</th>
<th>Incident Report</th>
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<tr>
<td>Date</td>
<td>Time</td>
</tr>
<tr>
<td>Operator</td>
<td>Activities and Entries</td>
</tr>
<tr>
<td>Location/Reports</td>
<td></td>
</tr>
</tbody>
</table>

**Documents**

- No [x] Yes [ ]

**Videos**

- No [x] Yes [ ]

**Photos**

- No [x] Yes [ ]

**Attachments**

- See video from 11/21/07

**Acceptable Compensating Controls**

**Results Summary**

- TEST DOES NOT MEET EXPECTED OUTCOME

**Final Test Status**

- FAIL

**1st Review**

- Michael Campbell
  - Printed name
  - Signature: 12/6/07
  - Date: 12/6/07

**2nd Review**

- Danny Cosier
  - Printed name
  - Signature: 12/13/07
  - Date: 12/13/07

**Supervisor Approval**

- John Gardner
  - Printed name
  - Signature: 12/14/07
  - Date:
Observations:
See attached report. Voting system failed to properly count School District R-1, Vote for 3. Deck HAR-1CA was processed three times, once for each counter group (Absentee, Early, and Election). Additionally see DB3-P3-307 for additional photos.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
Voting system does not meet the requirements of this test.

Michael L. C. Compton
Printed name
Signature 09/07
Date 12/10/07

Danny Caskey
Printed name
Signature
Date

John Gardner
Printed name
Signature
Date

Voting Systems Certification - Testing Log rev. 2.1
approved 01/06/07 Created by the Colorado Secretary of State's Office
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

Mike Coffman
Secretary of State

Holly Lowder
Director of Elections

CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intervivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 308
Ballots shall include the following minimum race situations to simulate and test "real world" situations in the State of Colorado: Allow for programming to accommodate Colorado recall questions as prescribed in Article 12 of Title 1, C.R.S.;

Purpose:
The purpose of this test is to verify that ballots are printed and tested with programming to accommodate the Colorado recall question.

Test Procedures:
See DB3-P3-319

Prerequisites:

Variances Used During Testing:
n/a

Test Expected Outcome:
The voting system shall be capable of functionally conducting a recall election as prescribed.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/29</td>
<td>1:09</td>
<td>Freddie</td>
<td>Starting recall central count test on the 9300 scanner, serial # K4170-4181</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>12:25</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>After running manual recall, operator/observer (3) still measured tally marking machine also measured at least (1)</td>
</tr>
<tr>
<td></td>
<td>13:40</td>
<td></td>
<td>Had second run of same batch for second county group in JCSPP</td>
</tr>
<tr>
<td></td>
<td>1:34</td>
<td></td>
<td>Had to re-run ballots because the serial # wasn't right, resolved ballots</td>
</tr>
<tr>
<td>11/29</td>
<td>1:47</td>
<td>Freddie</td>
<td>Run ballots through again on 9300 scanner - 54 and 76 unresolved</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>54 resolved out of 130 ballots, resolving ballots after 3rd central count run</td>
</tr>
<tr>
<td>11/29</td>
<td>2:23</td>
<td>Freddie</td>
<td>Start central count on the 1660, 77 unresolved, 53 resolved total of 130 ballots</td>
</tr>
<tr>
<td>11/29</td>
<td>2:31</td>
<td>Freddie</td>
<td>Start 2nd run central count on the 1660, 76 unresolved, 54 resolved total of 130 ballots</td>
</tr>
<tr>
<td>11/29</td>
<td>2:45</td>
<td>Freddie</td>
<td>Start 3rd run central count on the 1660, 57 unresolved, 43 resolved total of 130 ballots</td>
</tr>
<tr>
<td>11/29</td>
<td>3:30</td>
<td>Freddie</td>
<td>Starting 2nd run on the 9260</td>
</tr>
</tbody>
</table>
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, retarding, stop and restoring the system as necessary.

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<th>Incidents/Reports</th>
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<tbody>
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</tbody>
</table>

### Attachments

- **Documents** (list all documents)
  - Attached

- **Videos** (list all videos)
  - No | Yes |
  - See video from 11/29/07

- **Photos** (list all photos)
  - No | Yes |

### Acceptable Compensating Controls

### Results Summary

**TEST DOES NOT MEET EXPECTED OUTCOME**

<table>
<thead>
<tr>
<th>First Review</th>
<th>Second Review</th>
<th>Supervisor Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. Bishop</td>
<td></td>
<td>John Gardner</td>
</tr>
</tbody>
</table>

**Printed name**

- T. Bishop
- L. Chappell
- John Gardner

**Signature**

- T. Bishop, Signature: 12/4/07
- Michael J. McDowell, Signature: 12/4/07
- John Gardner, Signature: 12/4/07

**Date**

- 12/4/07
Additional Observations and Findings

Observations:
Recall election failed to tabulate correctly, See DB3-P3-319-09-04-07_005

11/30/07 Addendum: Initially the problems were caused by incorrect programming by the voting system vendor to process recall ballots correctly. Upon retesting, the voting system did not accurately and reliably detect overvote and undervote situations on the ballot. Extensive video records were collected (4 cameras) and should be reviewed, additionally see attached reports.

Findings:
Voting System does NOT meet the requirements of this test.

T. Bishop
Printed name
Signature 12/4/07
Date 12/4/07

Michael L. Crockrell
Printed name
Signature 12/4/07
Date 12/4/07

John Gardner
Printed name
Signature 12/4/07
Date 12/4/07
<table>
<thead>
<tr>
<th>Party</th>
<th>Candidate</th>
<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>51 66.23%</td>
<td>51 66.23%</td>
<td>52 66.67%</td>
<td>154 66.38%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>26 33.77%</td>
<td>26 33.77%</td>
<td>26 33.33%</td>
<td>78 33.62%</td>
</tr>
<tr>
<td></td>
<td>Cast Votes:</td>
<td>77 59.23%</td>
<td>77 59.23%</td>
<td>78 60.00%</td>
<td>232 59.49%</td>
</tr>
<tr>
<td></td>
<td>Over Votes:</td>
<td>27 20.77%</td>
<td>27 20.77%</td>
<td>26 20.00%</td>
<td>80 20.51%</td>
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<tr>
<td></td>
<td>Under Votes:</td>
<td>26 20.00%</td>
<td>26 20.00%</td>
<td>26 20.00%</td>
<td>78 20.00%</td>
</tr>
</tbody>
</table>

Question 1b, Vote For 1

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Cast Votes:</th>
<th>Over Votes:</th>
<th>Under Votes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan Tanner</td>
<td>11 20.37%</td>
<td>10 12.99%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>John G. Schley</td>
<td>11 20.37%</td>
<td>10 12.99%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>Albert Gonzales</td>
<td>11 20.37%</td>
<td>10 12.99%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>Greg Garcia</td>
<td>10 18.52%</td>
<td>10 18.52%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>Charlie Bobbitt</td>
<td>11 20.37%</td>
<td>10 12.99%</td>
<td>13 16.88%</td>
</tr>
</tbody>
</table>

Cast Votes: 162 69.83%

Over Votes: 31 13.36%

Under Votes: 39 16.81%
Cumulative Report — Unofficial

SAMPLE COUNTY — RECALL ELECTION — November 25, 2007

Page 1 of 1

<table>
<thead>
<tr>
<th>Party</th>
<th>Candidate</th>
<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
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<tbody>
<tr>
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Question 1a, Vote For 1

|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           |          |        |          |        |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           |          |        |          |        |

Question 1b, Vote For 1

|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           |          |        |          |        |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           |          |        |          |        |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |
|       |           | 0 0.00%  | 0 0.00% | 0 0.00%  | 0 0.00% |

Total Number of Voters: 0 of 9,624 = 0.00%

Precincts Reporting: 0 of 13 = 0.00%

11/29/2007 04:27 PM
Cumulative Report — Unofficial
SAMPLE COUNTY — RECALL ELECTION — November 25, 2007

Total Number of Voters: 0 of 9,624 = 0.00%

<table>
<thead>
<tr>
<th>Party</th>
<th>Candidate</th>
<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>0 0.00%</td>
<td>0 0.00%</td>
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<tr>
<td>Yes</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>No</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Cast Votes:</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Over Votes:</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Under Votes:</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
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</table>

Question 1a, Vote For 1

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<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan Tanner</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>John G. Schley</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Albert Gonzales</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Greg Garcia</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Charlie Bobbitt</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Cast Votes:</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Over Votes:</td>
<td>0 0.00%</td>
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<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Under Votes:</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
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</table>
### Question 1a, Vote For 1

<table>
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<tr>
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<th>Absentee</th>
<th>Early</th>
<th>Election</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>51</td>
<td>51</td>
<td>52</td>
<td>154</td>
</tr>
<tr>
<td></td>
<td>66.23%</td>
<td>66.23%</td>
<td>67.53%</td>
<td>66.87%</td>
</tr>
<tr>
<td>No</td>
<td>26</td>
<td>26</td>
<td>25</td>
<td>77</td>
</tr>
<tr>
<td></td>
<td>33.77%</td>
<td>33.77%</td>
<td>32.47%</td>
<td>33.33%</td>
</tr>
<tr>
<td>Cast Votes:</td>
<td>77</td>
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<tr>
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<tr>
<td>Under Votes:</td>
<td>26</td>
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<td>79</td>
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</tbody>
</table>

|       | 20.77%   | 20.77%| 20.00%   | 20.51%|
|       | 59.23%   | 59.23%| 59.23%   | 59.23%|
|       | 20.00%   | 20.00%| 20.77%   | 20.26%|

### Question 1b, Vote For 1

<table>
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<th>Candidate</th>
<th>Cast Votes</th>
<th>Over Votes</th>
<th>Under Votes</th>
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<tbody>
<tr>
<td>Jan Tanner</td>
<td>11 20.75%</td>
<td>10 19.23%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>John G. Schley</td>
<td>11 20.75%</td>
<td>10 19.23%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>Albert Gonzales</td>
<td>11 20.75%</td>
<td>11 21.15%</td>
<td>13 16.88%</td>
</tr>
<tr>
<td>Greg Garcia</td>
<td>10 18.87%</td>
<td>10 19.23%</td>
<td>14 18.18%</td>
</tr>
<tr>
<td>Charlie Bobbitt</td>
<td>10 18.87%</td>
<td>11 21.15%</td>
<td>14 18.18%</td>
</tr>
</tbody>
</table>

<p>|       | 68.83%   | 70.13% | 67.53%   | 68.83%|
|       | 53       | 54     | 52       | 59    |
|       | 20.13%   | 20.13%| 20.13%   | 20.13%|
|       | 14.29%   | 12.96%| 14.29%   | 13.85%|
|       | 16.88%   | 16.88%| 18.18%   | 17.32%|</p>
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<th>Question 1a, Vote For 1</th>
<th>Absentee</th>
<th>Early</th>
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<th>Total</th>
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<th>Jan Tanner</th>
<th>John G. Schley</th>
<th>Albert Gonzales</th>
<th>Greg Garcia</th>
<th>Charlie Bobbitt</th>
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</thead>
<tbody>
<tr>
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<td>0 0.00%</td>
<td>0 0.00%</td>
<td>0 0.00%</td>
</tr>
<tr>
<td>Early</td>
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### Question 1a, Vote For 1

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<tr>
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<tr>
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<td>26 33.77%</td>
<td>26 33.77%</td>
<td>26 33.77%</td>
<td>78 33.77%</td>
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</table>

- **Cast Votes:** 77 59.23%
- **Over Votes:** 27 20.77%
- **Under Votes:** 26 20.00%
- **Total:** 231 59.23%

### Question 1b, Vote For 1

<table>
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<tr>
<th>Candidate</th>
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</thead>
<tbody>
<tr>
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<td>11 20.37%</td>
<td>11 20.37%</td>
<td>33 20.37%</td>
</tr>
<tr>
<td>John G. Schley</td>
<td>11 20.37%</td>
<td>11 20.37%</td>
<td>11 20.37%</td>
<td>33 20.37%</td>
</tr>
<tr>
<td>Albert Gonzales</td>
<td>11 20.37%</td>
<td>11 20.37%</td>
<td>11 20.37%</td>
<td>33 20.37%</td>
</tr>
<tr>
<td>Greg Garcia</td>
<td>10 18.52%</td>
<td>10 18.52%</td>
<td>10 18.52%</td>
<td>30 18.52%</td>
</tr>
<tr>
<td>Charlie Bobbitt</td>
<td>11 20.37%</td>
<td>11 20.37%</td>
<td>11 20.37%</td>
<td>33 20.37%</td>
</tr>
</tbody>
</table>

- **Cast Votes:** 54 70.13%
- **Over Votes:** 10 12.99%
- **Under Votes:** 13 16.88%
- **Total:** 162 70.13%
## Resolve Status Report - Unofficial

**RECALL ELECTION - SAMPLE COUNTY - 11/25/2007**

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**Totals:** 390 229 161 0

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The image contains a table listing batches and their status counts, along with a hand-drawn diagram that appears to represent a voting or counting process. The diagram includes numbers and symbols, possibly indicating resolved counts or other data points relevant to the recall election.
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Totals: 130 77 53 0

213 281 291 303 323 320

* Resolved
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## Resolve Status Report - Unofficial

**RECALL ELECTION - SAMPLE COUNTY - 11/25/2007**

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**Totals:**
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- Not Processed: 0
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Non-Partisan Ballot
RECALL ELECTION
SAMPLE COUNTY
November 25, 2007

Instruction Text:
Fill in the box next to your choice. Use a blue or black ink pen.

Question 1a
Joe Nunez on several occasions has been conducting business in line with that of cartoon characters. Although this simulated recall question is purely hypothetical and clearly does not in any way reflect on real-world characteristics of Mr. Nunez, nor does it imply in any way that Mr. Nunez currently is a director of the of the R-1 school district. Should an anvil be dropped on Mr. Nunez in the days following the recall election, the only recourse that may be taken is for Mr. Nunez to repeat the words 'Beep-beep' directed to the general office of the school district R-1. Any findings by any persons representing claims against Mr. Nunez are merely coincidental. This question was carefully written by the citizens of the school district while reading a Dilbert comic strip. Any resemblance to a real-world Dilbert character is purely coincidental. As petitioning citizens in this district, we strongly encourage you to recall this director. One of the biggest fears in processing the recall question is that the anticipated anvil drop will pass through the granite, breaking off the section in which Mr. Nunez stands and a three thousand (3,000) ft. plummet will ensue. During the fall, the granite and Mr. Nunez will switch positions and it is anticipated that Mr. Nunez will hit the ground prior to the granite. In the next three seconds after impact, Mr. Nunez will lose focus as his eyes pop from his head in the realization that the granite is about to impact on top of said body. It is clear to the citizens and the impact of the above statements to our children that Mr. Nunez should be recalled from office. The citizens in favor of anvil drops thank you in advance of any decisions being made.

Should School District R-1 Director Joe Nunez be recalled from office?

☐ Yes
☐ No

Question 1b
Should the recall of the Director be successful, please select one of the following candidates as successors:

Select only 1
☐ Jan Tanner
☐ John G. Schley
☐ Albert Gonzales
☐ Greg Garcia
☐ Charlie Bobbitt
Non-Partisan Ballot
RECALL ELECTION
SAMPLE COUNTY
November 25, 2007

Instruction Text:
Fill in the box next to your choice. Use a blue or black ink pen.

<table>
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<tr>
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<tbody>
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<table>
<thead>
<tr>
<th>Should School District R-1 Director Joe Nunez be recalled from office?</th>
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</thead>
<tbody>
<tr>
<td>☐ Yes</td>
</tr>
<tr>
<td>☐ No</td>
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<table>
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<tbody>
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<table>
<thead>
<tr>
<th>Select only 1</th>
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<tbody>
<tr>
<td>☐ Jan Tanner</td>
</tr>
<tr>
<td>☐ John G. Schley</td>
</tr>
<tr>
<td>☐ Albert Gonzales</td>
</tr>
<tr>
<td>☐ Greg Garcia</td>
</tr>
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<td>☐ Charlie Bobbitt</td>
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Non-Partisan Ballot
RECALL ELECTION
SAMPLE COUNTY
November 25, 2007

Instruction Text:
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<tr>
<th>Should School District R-1 Director Joe Nunez be recalled from office?</th>
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</thead>
<tbody>
<tr>
<td>[ ] Yes</td>
</tr>
<tr>
<td>[ ] No</td>
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</tr>
<tr>
<td>Select only 1</td>
</tr>
<tr>
<td>[ ] Jan Tanner</td>
</tr>
<tr>
<td>[ ] John G. Schley</td>
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<tr>
<td>[ ] Albert Gonzales</td>
</tr>
<tr>
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</tr>
<tr>
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Should School District R-1 Director Joe Nunez be recalled from office?

☐ Yes
☐ No

Question 1b
Should the recall of the Director be successful, please select one of the following candidates as successor:

Select only 1
☐ Jan Tanner
☐ John G. Schley
☐ Albert Gonzales
☐ Greg Garcia
☐ Charlie Bobbitt
Instruction Text:
Fill in the box next to your choice. Use a blue or black ink pen.

Question 1a
Joe Nunez on several occasions has been conducting business in line with that of cartoon characters. Although this simulated recall question is purely hypothetical and clearly does not in any way reflect on real-world characteristics of Mr. Nunez, nor does it imply in any way that Mr. Nunez currently is a director of the of the R-1 school district. Should an anvil be dropped on Mr. Nunez in the days following the recall election, the only recourse that may be taken is for Mr. Nunez to repeat the words "Beep-beep" directed in the general direction of the office of the school district R-1. Any findings by any persons representing claims against Mr. Nunez are merely coincidental. This question was carefully written by the citizens of the school district while reading a Dilbert(tm) comic strip. Any resemblance to a real-world Dilbert(tm) character is purely coincidental. As petitioning citizens in this district, we strongly encourage you to recall this director. One of the biggest fears in processing the recall question is that the anticipated anvil drop will pass through the granite, breaking off the section in which Mr. Nunez stands and a three thousand (3,000) ft. plummet will ensue. During the fall, the granite and Mr. Nunez will switch positions and it is anticipated that Mr. Nunez will hit the ground prior to the granite. In the next three seconds after impact, Mr. Nunez will lose focus as his eyes pop from his head in the realization that the granite is about to impact on top of said body. It is clear to the citizens and the impact of the above statements to our children that Mr. Nunez should be recalled from office. The citizens in favor of anvil drops thank you in advance of any decisions being made.

Should School District R-1 Director Joe Nunez be recalled from office?

☐ Yes
☐ No

Question 1b
Should the recall of the Director be successful, please select one of the following candidates as successors:

Select only 1
☐ Jan Tanner
☐ John G. Schley
☐ Albert Gonzales
☒ Greg Garcia
☐ Charlie Bobbitt
Question 1a

Joe Nunez on several occasions has been conducting business in line with that of cartoon characters. Although this simulated recall question is purely hypothetical and clearly does not in any way reflect on real-world characteristics of Mr. Nunez, nor does it imply in any way that Mr. Nunez currently is a director of the R-1 school district. Should an anvil be dropped on Mr. Nunez in the days following the recall election, the only recourse that may be taken is for Mr. Nunez to repeat the words 'Beep-beep' directed in the general direction of the office of the school district R-1. Any findings by any persons representing claims against Mr. Nunez are merely coincidental. This question was carefully written by the citizens of the school district while reading a Dilbert comic strip. Any resemblance to a real-world Dilbert character is purely coincidental. As petitioning citizens in this district, we strongly encourage you to recall this director. One of the biggest fears in processing the recall question is that the anticipated anvil drop will pass through the granite, breaking off the section in which Mr. Nunez stands and a three thousand (3,000) ft. plummet will ensue. During the fall, the granite and Mr. Nunez will switch positions and it is anticipated that Mr. Nunez will hit the ground prior to the granite. In the next three seconds after impact, Mr. Nunez will lose focus as his eyes pop from his head in the realization that the granite is about to impact on top of said body. It is clear to the citizens and the impact of the above statements to our children that Mr. Nunez should be recalled from office. The citizens in favor of anvil drops thank you in advance of any decisions being made.

Should School District R-1 Director Joe Nunez be recalled from office?

- Yes
- No

Question 1b

Should the recall of the Director be successful, please select one of the following candidates as successors:

Select only 1

- Jan Tanner
- John G. Schley
- Albert Gonzales
- Greg Garcia
- Charlie Bobbitt
Question 1b
Should the recall of the Director be successful, please select one of the following candidates as successors:

Select only 1
Question 1a

Joe Nunez on several occasions has been conducting business in line with that of cartoon characters. Although this simulated recall question is purely hypothetical and clearly does not in any way reflect on real-world characteristics of Mr. Nunez, nor does it imply in any way that Mr. Nunez currently is a director of the of the R-1 school district. Should an anvil be dropped on Mr. Nunez in the days following the recall election, the only recourse that may be taken is for Mr. Nunez to repeat the words 'Beep-beep' directed in the general direction of the office of the school district R-1. Any findings by any persons representing claims against Mr. Nunez are merely coincidental. This question was carefully written by the citizens of the school district while reading a Dilbert(tmk) comic strip. Any resemblance to a real-world Dilbert(tmk) character is purely coincidental. As petitioning citizens in this district, we strongly encourage you to recall this director. One of the biggest fears in processing the recall question is that the anticipated anvil drop will pass through the granite, breaking off the section in which Mr. Nunez stands and a three thousand (3,000) ft. plummet will ensue. During the fall, the granite and Mr. Nunez will switch positions and it is anticipated that Mr. Nunez will hit the ground prior to the granite. In the next three seconds after impact, Mr. Nunez will lose focus as his eyes pop from his head in the realization that the granite is about to impact on top of said body. It is clear to the citizens and the impact of the above statements to our children that Mr. Nunez should be recalled from office. The citizens in favor of anvil drop thank you in advance of any decisions being made.

Should School District R-1 Director Joe Nunez be recalled from office?
Question 1a
Joe Nunez on several occasions has been conducting business in line with that of cartoon characters. Although this simulated recall question is purely hypothetical and clearly does not in any way reflect on real-world characteristics of Mr. Nunez, nor does it imply in any way that Mr. Nunez currently is a director of the of the R-1 school district. Should an anvil be dropped on Mr. Nunez in the days following the recall election, the only recourse that may be taken is for Mr. Nunez to repeat the words 'Beep-beep' directed in the general direction of the office of the school district R-1. Any findings by any persons representing claims against Mr. Nunez are merely coincidental. This question was carefully written by the citizens of the school district while reading a Dilbert™ comic strip. Any resemblance to a real-world Dilbert™ character is purely coincidental. As petitioning citizens in this district, we strongly encourage you to recall this director. One of the biggest fears in processing the recall question is that the anticipated anvil drop will pass through the granite, breaking off the section in which Mr. Nunez stands and a three thousand (3,000) ft. plummet will ensue. During the fall, the granite and Mr. Nunez will switch positions and it is anticipated that Mr. Nunez will hit the ground prior to the granite. In the next three seconds after impact, Mr. Nunez will lose focus as his eyes pop from his head in the realization that the granite is about to impact on top of said body. It is clear to the citizens and the impact of the above statements to our children that Mr. Nunez should be recalled from office. The citizens in favor of anvil drops thank you in advance of any decisions being made.

Should School District R-1 Director Joe Nunez be recalled from office?

- Yes
- No

Question 1b
Should the recall of the Director be successful, please select one of the following candidates as successors:

Select only 1
- [ ] Jan Tanner
- [ ] John G. Schley
- [ ] Albert Gonzales
- [ ] Greg Garcia
- [ ] Charlie Bobbitt
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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
CC3-P3 - 309
Purpose:
The purpose of this test is to verify that the system will not count any overvotes as described herein.

Test Procedures:
Setup and process ballots using DB3-P3-307. Document findings of casting ballots and processing overvotes.

Prerequisites:

Variance Used During Testing:

Test Expected Outcomes:
The voting system will not count an overvote for any office, ballot question, or ballot issue.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activity and Entries</th>
<th>Incident Reports</th>
</tr>
</thead>
</table>

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>Time</th>
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**Attachments**

<table>
<thead>
<tr>
<th>Documents (list all documents)</th>
<th>No</th>
<th>Yes</th>
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</thead>
<tbody>
<tr>
<td>Videos (list all videos)</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

See video from 11/29/07

**Acceptable Compensating Controls**

**Result Summary**

TEST DOES NOT MEET EXPECTED OUTCOME

**Final Test Status**

FAIL

**1st Review**

Printed name

**2nd Review**

Printed name

**Supervisor Approval**

Printed name

Signature 12/4/07

Date 12/4/07
Observations:
See notes on test logs. The voting device was unable to process recall election, and vote for three questions on coordinated ballots correctly.

11/30/07 Addendum: Initially, recall problems were caused by incorrect programming by voting system vendor. Upon retesting the recall election, the devices did not tabulate overvote and undervote situations accurately by the devices. See extensive video collected on 11/29/07.

See CC3-P3-308.

Findings:
The voting system fails to meet the test requirements.
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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
CC3-P3 - 313
Purpose:
The purpose of this test is to verify that all votes processed are counted correctly.

Test Procedures:
Setup and process ballots using DB3-P3-307. Document findings of casting ballots and processing results.

Expected Outcome:
The voting system will count votes correctly. Note specifically any decks of ballots used for determination.
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>
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2007-CDOS-HAR-001-0404

Test Log

Date:  
Time:  
Operator:  
Activities and Entities:  
Incident Report:  

Documents
(list all documents)

No  
Yes  

Videos
(list all videos)

No  
Yes  

Photos
(list all photos)

No  
Yes  

See extensive video from 11/29/07.

Acceptable Compensating Controls

Results Summary

TEST DOES NOT MEET EXPECTED OUTCOME  FAIL

1st Review:  
Printed name:  
Signature:  
Date:  

2nd Review:  
Printed name:  
Signature:  
Date:  

Supervisor Approval:  
Printed name:  
Signature:  
Date:  

Created by the Colorado Secretary of State's Office
Observations:
See notes on test logs. The voting device was unable to process recall election, and vote for three questions on coordinated ballots correctly.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
The voting system fails to meet the test requirements.
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

CC3-P3 - 314
Rule or Statute: 1-5-615(1)(m)

No electronic or electromechanical voting system shall be certified by the secretary of state unless such system:
Can tabulate the total number of votes for each candidate for each office and the total number of votes for and against each ballot question and ballot issue for the polling place.

Test Number: CC3-P3-314
Test Date: 9/26/2007
Test End Date/Time: 11/29/2007
Test Type (M.L.B.): Functional
Eq. Type: CCOS
Equipment/Model: Ball. Now
Serial Number:
Manufacturer: Hart Intercivic

Purpose:
The purpose of this test is to verify that the system tabulates the total number of votes as required herein.

Prerequisites:

Test Procedures:
Use test setup and voting from DB3-P3-307. Document the findings when processing ballots as required.

Variances Used During Testing:

Test Expected Outcome:
The voting system will tabulate the total number of votes for each candidate for each office and the total number of votes for and against each ballot question and ballot issue for the polling place.
<table>
<thead>
<tr>
<th>Date</th>
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**Attachments**

- **Documents** (list all documents): No ☐ Yes ☑
- **Videos** (list all videos): No ☐ Yes ☑
  
  *See video from 11/24/07*
- **Photos** (list all photos): No ☐ Yes ☑

**Acceptable Compensating Controls**

**Results Summary**

**Final Test Status**

- **TEST DOES NOT MEET EXPECTED OUTCOME**
  - **FAIL**

**1st Review**

- **Printed name**: [Redacted]
- **Signature**: [Redacted]
- **Date**: 12-24-07

**2nd Review**

- **Printed name**: Michael L. Chadwell
- **Signature**: [Redacted]
- **Date**: 12-4-07

**Supervisor Approval**

- **Printed name**: John Gardner
- **Signature**: [Redacted]
- **Date**: 12-17-07
Observations:
The voting system did not accurately handle an overvote situation when processing ballots. See notes on DB3-P3-307 and attached documentation. The testing board verified the inability for the system to correctly tabulate ballots that included overvote situations.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
Voting system does not meet the requirements of this test.

1st Review
Printed name
Signature
Date

2nd Review
Michael C. McDowell
Printed name
Signature
Date

Supervisor Approval
John Gardner
Printed name
Signature
Date
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 322
### Purpose:
The purpose of this test is to verify that the voting device will allow the voter to change and correct a ballot as required herein.

### Test Procedures:
Use test DB3-P3-307 for machine setup and voting. Document the findings when processing ballots with overvotes.

### Prerequisites:

### Variances Used During Testing:

### Test Expected Outcome:
The elector will be able to change in a private and independant manner the electors selections before casting the ballot.
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, retiring, stop and restoring the system as necessary.
### Additional Observations and Findings

#### Observations:
The voting system did not accurately handle an overvote situation when processing ballots. See notes on DB3-P3-307 and attached documentation. The testing board verified the inability for the system to correctly tabulate ballots that included overvote situations.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

#### Findings:
Voting system does not meet the requirements of this test.

<table>
<thead>
<tr>
<th>1st Review</th>
<th>2nd Review</th>
<th>Supervisor Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed name</td>
<td>Michael L. Carman</td>
<td>Printed name</td>
</tr>
<tr>
<td>Signature</td>
<td>Date</td>
<td>Signature</td>
</tr>
<tr>
<td>12/1/07</td>
<td>Michael L. Carman</td>
<td>12/04/07</td>
</tr>
</tbody>
</table>
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 328
Voting systems (including optical scanning voting systems or direct recording electronic systems) certified by the secretary of state and acquired, purchased or leased by counties pursuant to state law shall:

(c) if the voter selects votes for more than one candidate for a single office:

(i) notify the voter that the voter has selected more than 1 candidate for a single office on the ballot;

(ii) notify the voter before the ballot is cast and counted of the effect of casting multiple votes for the office; and

(iii) provide the voter with the opportunity to correct the ballot before the ballot is cast and counted.

Purpose:
The purpose of this test is to verify that the voting system provides notification to the voter as required herein.

Prerequisites:

Test Procedures:
Use test DB3-P3-307 for machine setup and voting. Document the findings when processing ballots with overvotes.

Variance Used During Testing:

Test Expected Outcome:
The elector will be notified of an overvote, informed of the consequences of overvoting, and allowed to correct the ballot before casting the ballot.
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, retaining, stop and restoring the system as necessary.
Additional Observations and Findings

Observations:
The voting system did not accurately handle an overvote situation when processing ballots. See notes on DB3-P3-307 and attached documentation. The testing board verified the inability for the system to correctly tabulate ballots that included overvote situations.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
Voting system does not meet the requirements of this test.
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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
CC3-P3 - 329
No electronic or electromechanical voting system shall be certified by the secretary of state unless such system: Permits each elector to vote for all offices for which the elector is lawfully entitled to vote and no others, to vote for as many candidates for an office as the elector is entitled to vote for, and to vote for or against any ballot question or ballot issue on which the elector is entitled to vote.

**Purpose:**
The purpose of this test is to verify that the voting device will allow the voter to vote for or against as many candidates and ballot questions or issues as the voter is entitled to vote.

**Prerequisites:**

**Test Procedures:**
Use test setup and voting from DB3-P3-307. Document the findings when processing ballots as required.

**Variances Used During Testing:**

**Test Expected Outcome:**
Voting system allows the casting of votes for races that the voter is entitled to vote and restricts others that the voter is not entitled to vote on.
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, rotating, step and restoring the system as necessary.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operation</th>
<th>Activity and Effect</th>
<th>Incident Report</th>
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</thead>
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**TEST DOES NOT MEET EXPECTED OUTCOME**

<table>
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<tr>
<th>1st Review</th>
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<tr>
<td>Printed name</td>
<td>Michael L. Committee</td>
<td>John Gardner</td>
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<td>Signature</td>
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**Attachment**

<table>
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<tr>
<th>Documents (list all documents)</th>
<th>Videos (list all videos)</th>
<th>Photos (list all photos)</th>
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<tr>
<td>No</td>
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<td>Yes</td>
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</table>

**Acceptable Compensating Controls**

TEST DOES NOT MEET EXPECTED OUTCOME

FAIL
Additional Observations and Findings

Observations:
The voting system did not accurately handle an overvote situation when processing ballots. See notes on DB3-P3-307 and attached documentation. The testing board verified the inability for the system to correctly tabulate ballots that included overvote situations.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
Voting system does not meet the requirements of this test.
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

CC3-P3 - 330
### Purpose:

The purpose of this test is to verify that the voting device allows for electors to verify their choices privately and independently before the ballot is cast.

### Prerequisites:

- The setup and voting process must be documented.
- The process for reviewing the ballot must be documented prior to it being cast.

### Test Procedures:

See notes on CE1-P3-120 for setup and voting. Document the process for reviewing the ballot prior to it being cast.

### Variance Used During Testing:

None.

### Test Expected Outcome:

Voting system allows voter verification of ballot before votes are cast.
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.
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<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Entries</th>
<th>Incident Reports</th>
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**2007-CDOS-HAR-001-0404**

**Test Number**

CC3-P3 - 330

---

**Attachments**

- **Documents (list all documents)**: No [x] Yes [ ]
- **Videos (list all videos)**: No [x] Yes [ ]
- **Photos (list all photos)**: No [x] Yes [ ]

---

**Acceptable Compensating Controls**

---

**Results Summary**

This test is not applicable for this voting device

<table>
<thead>
<tr>
<th>1st Review</th>
<th>2nd Review</th>
<th>Supervisor Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danny Casas</td>
<td>Michael L. Computz</td>
<td>John Gardner</td>
</tr>
<tr>
<td>Printed name</td>
<td>Printed name</td>
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</table>

**Signature**

- [unsigned]
- [unsigned]
- [unsigned]

**Date**

- [1/26/17]
- [12/3/07]
- [12/4/13]

**Final Test Status**

N/A

---

*Voting Systems Certification Program*

Created by the Colorado Secretary of State's Office
Observations:
The test is not applicable for a central count voting device.

Findings:
N/A
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

CC3-P3 - 331
2007-CDOS-HAR-001-0404

Rule or Statute:
1-5-611(1)(f)(III)

Test Procedure Specification

Purpose:
The purpose of this test is to verify that the voting device contains a protective counter which cannot be reset, recording the cumulative total number of operations of the mechanism as required herein.

Prerequisites:

Test Procedures:
Use test DB3-P3-307 for machine setup and voting. Document the process of recording the protective counter for each device.

Variance Used During Testing:

Test Expected Outcome:
The device private counter is not re-setable and does increment as each vote is cast.
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, rerating, stop and restoring the system as necessary.

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<tr>
<th>Date</th>
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<th>Operation</th>
<th>Activities and Entries</th>
<th>Incident Reports</th>
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</thead>
</table>
The system must be operated using only manual rescore for resolution of flagged race issues.

<table>
<thead>
<tr>
<th>Documents (list all documents)</th>
<th>No ☐</th>
<th>Yes ☐</th>
<th>Videos (list all videos)</th>
<th>No ☐</th>
<th>Yes ☐</th>
<th>Photos (list all photos)</th>
<th>No ☐</th>
<th>Yes ☐</th>
</tr>
</thead>
</table>

**Result Summary**

**TEST DOES NOT MEET EXPECTED OUTCOME**

- 1st Review: T. Bishop
  - Printed name
  - Signed: 12/4/07
- 2nd Review: L. Chappell
  - Printed name: Michael Chappell
  - Signature: 12/8/07
- Supervisor Approval: John Gardner
  - Printed name
  - Signature: 12/14/07
Observations:
The voting system software (ballot now) is responsible for maintaining the protective counter. The software does not maintain a counter as required for the total number of operations for the system. The software is maintaining a count of electronic images that are processed, and can be reset with a fresh installation of the software. See also notes on trusted build.

11-29-07 - Addendum: The testing board attempted to process ballots for retesting this requirement. Significant failures were evident with processing overvotes and undervote situations causing race counts to be processed non-consistently. See extensive video record from 11/30/07. See also cc3-p3-304.

Findings:
The voting system will meet the requirements provided operators of the system do not use the autoresolve function of the system.

11-29-2007 Addendum: The voting system does not meet the requirements of this test.
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

CC3-P3 - 332
Rule or Statute
1-5-611(1)(f)(l)

No nonpunch card electronic voting system shall be purchased, leased, or used unless it fulfills the following requirements:
If the system uses a voting device: It is suitably designed, of durable construction, and capable of being used safely, efficiently, and accurately in the conduct of elections and the tabulation of votes.

Purpose:
The purpose of this test is to verify the voting system is constructed as required herein.

Prerequisites:

Test Procedures:
Document the devices ability to meet the requirements as required herein (photos are expected).

Variance Used During Testing:

Test Expected Outcome:
The voting system will meet the following requirements:
1. Is of suitable design.
2. Is of durable construction.
3. Safe.
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.

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<th>Activities and Entries</th>
<th>Incident Report</th>
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<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Findings</th>
<th>Incident Report</th>
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<tr>
<th>Attachments</th>
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<tbody>
<tr>
<td>Documents</td>
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<tr>
<td>(list all documents)</td>
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<tr>
<td>Videos</td>
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<td>(list all videos)</td>
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<td>Photos</td>
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<td>(list all photos)</td>
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<table>
<thead>
<tr>
<th>Acceptable Compensating Controls</th>
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<table>
<thead>
<tr>
<th>Results Summary</th>
<th>Final Test Status</th>
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<tbody>
<tr>
<td>TEST DOES NOT MEET EXPECTED OUTCOME</td>
<td>- Fail</td>
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</tbody>
</table>

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<tr>
<th>1st Review</th>
<th>2nd Review</th>
<th>Supervisor Approval</th>
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<tbody>
<tr>
<td>T. Bishop</td>
<td>Michael L. Charles</td>
<td>John Gardner</td>
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<td>Printed name</td>
<td>Printed name</td>
<td>Printed name</td>
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<td>12/4/07</td>
<td>12/4/07</td>
<td>12/4/07</td>
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</table>
Observations:
See notes on DB3-P3-307. The voting device did not accurately record votes for the SDR3 (vote for 3) race in the coordinated election. Results for the election varied for each time processing the results.

11-29-07 - Addendum: The testing board attempted to process ballots for retesting this requirement. Significant failures were evident with processing overvotes and undervote situations causing race counts to be processed non-consistently. See extensive video record from 11/30/07.

Findings:
The voting system will meet the requirements provided operators of the system do not use the autoresolve function of the system.

11-29-2007 Addendum: The voting system does not meet the requirements of this test.
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Hart Intervic

Application Date: 04/04/2007

Test Number

CC3-P3 - 335
No nonpunch card electronic voting system shall be purchased, leased, or used unless it fulfills the following requirements:

It rejects any vote for an office or on a ballot issue if the number of votes exceeds the number the elector is entitled to cast.

**Purpose:**

The purpose of this test is to verify that the voting device will reject any vote for a race or contest if the number of votes exceeds the number of votes the elector is entitled to cast. (Vote for 1= 1 selection)

**Test Procedures:**

Use test setup and voting from DB3-P3-307.

Document the findings when processing ballots as required.

**Prerequisites:**

**Variance Used During Testing:**

- The vote system rejects overvotes for all types of races.
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>Environment</th>
<th>Test Log</th>
<th>Incident Report</th>
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<th>Time</th>
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<th>Documents (list all documents)</th>
<th>No X</th>
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<th>Videos (list all videos)</th>
<th>No □</th>
<th>Yes X</th>
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<th>Photos (list all photos)</th>
<th>No □</th>
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**Attachments**

**Acceptable Compensating Controls**

**Results Summary**

**Final Test Status**

**TEST DOES NOT MEET EXPECTED OUTCOME**

<table>
<thead>
<tr>
<th>1st Review</th>
<th>2nd Review</th>
<th>Supervisor/Approval</th>
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<tbody>
<tr>
<td>Printed name</td>
<td>Michael A. Chadwick</td>
<td>John Gardner</td>
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<td>Signature</td>
<td>12-4-07</td>
<td>Michael A. Chadwick 12-04-07</td>
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<tr>
<td>Date</td>
<td>12-4-07</td>
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<td>Signature</td>
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</table>
Additional Observations and Findings

Observations:
The voting system did not accurately handle an overvote situation when processing ballots. See notes on DB3-P3-307 and attached documentation. The testing board verified the inability for the system to correctly tabulate ballots that included overvote situations.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
Voting system does not meet the requirements of this test.
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 337
2007-CDOS-HAR-001-0404

Rule or Statute: 37.1.2(d)

Voting systems (including optical scanning voting systems or direct recording electronic systems) certified by the secretary of state and acquired, purchased or leased by counties pursuant to state law shall:
(d) Ensure that any notification required under this paragraph preserves the privacy of the vote and the confidentiality of the ballot.

Test Number: CC3-P3-337
Test Date: 9/26/2007
Test End Date/Time: 11/29/2007
Test Type (D.F.R.): Functional
Type: CCOS
Equipment Model: Ball. Now
Serial Number:
Manufacturer: Hart Interlistic

Purpose:
The purpose of this test is to verify that the voting system provides notification to the voter as required herein.

Prerequisites:

Test Procedures:
Use test DB3-P3-307 for machine setup and voting. Document the findings when processing ballots with overvotes.

Variance Used During Testing:

Test Expected Outcome:
The elector will be notified in a private and independent manner of the electors selection to overvote before casting the ballot.
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, resetting, stop and restoring the system as necessary.

<table>
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<tr>
<th>Date</th>
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<th>Operator</th>
<th>Activities and Events</th>
<th>Incident/Report</th>
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</table>
Observations:
The voting system did not accurately handle an overvote situation when processing ballots. See notes on DB3-P3-307 and attached documentation. The testing board verified the inability for the system to correctly tabulate ballots that included overvote situations.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

Findings:
Voting system does not meet the requirements of this test.
CDOS Certification Number: **2007-CDOS-HAR-001-0404**

Manufacturer: Hart Intercivic

Application Date: 04/04/2007

Test Number

CC3-P3 - 339
**Purpose:**

The purpose of this test is to verify that the printing of the ballots shall make allowances for a voter to vote any question, race, office or issue that they are allowed to regardless of party.

**Prerequisites:**

**Test Procedures:**

Use test DB3-P3-307 for voting setup and machine programming. Document the findings of the voting device processing coordinated ballots (HAR 1CA, or HAR 1CO).

**Variances Used During Testing:**

**Test Expected Outcome:**

In general election mode, voting system allows voter to cast a vote for any candidate in any of the positions allowed regardless of party affiliation.
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, rerating, stop and restoring the system as necessary.
2007-CDOS-HAR-001-0404

Documents (list all documents)  Yes √ Yes No

Videos (list all videos)  Yes √ Yes No

Photos (list all photos)  No × No Yes

Acceptable Compensating Controls

Result Summary

TEST DOES NOT MEET EXPECTED OUTCOME

Final Test Status: - Fail

1st Review: T. Bishop
Printed name
Signature 12-4-07 Date

2nd Review: Michael L. McElwain
Printed name
Signature 12-8-07 Date

Supervisor Approval: John Gardner
Printed name
Signature 12-4-07 Date
Additional Observations and Findings

Observations:
See notes in test log for DB3-P3-307. The voting system allowed for voters to vote for any race that they were allowed to vote for regardless of party. Unfortunately, the voting device did not process all ballots correctly. See notes for School District SD3 which did not tabulate correctly.

11-29-07 - Addendum: The testing board attempted to process ballots for retesting this requirement. Significant failures were evident with processing overvotes and undervote situations causing race counts to be processed non-consistently. See extensive video record from 11/30/07.

Findings:
The voting system will meet the requirements provided operators of the system do not use the autoresolve function of the system.

11-29-2007 Addendum: The voting system does not meet the requirements of this test.

1st Review
T. Bishop
Printed name
Signature 12-4-07 Date

2nd Review
hravon
Printed name
Signature Date

Supervisor Approval
John Gardner
Printed name
Signature 12/4/07 Date
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 340
Purpose:
The purpose of this test is to verify that ballots are printed and tested with 20 pairs of yes and no positions for voting on ballot issues (a new election definition will be required with printed ballots).

Prerequisites:

Test Procedures:
See CC1-P3-125

Variance Used During Testing:

Expected OUTCOME:
Ballot allows a minimum of 20 pairs of yes/no positions.
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, returning, stop and restoring the system as necessary.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Operator</th>
<th>Activities and Entries</th>
<th>Incident Reports</th>
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<tr>
<th>Date</th>
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<th>Test log</th>
<th>Activities and Errors</th>
<th>Incident Report</th>
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**Test Log**

**Activities and Errors**

**Incident Report**

**Attachments**

- **Documents** (list all documents)
  - No [ ] Yes [ ]

- **Videos** (list all videos)
  - No [ ] Yes [ ]

- **Photos** (list all photos)
  - No [ ] Yes [ ]

**Acceptable Compensating Controls**

**Results Summary**

**Final Test Status**

**TEST DOES NOT MEET EXPECTED OUTCOME**

**FAIL**

**Test Review**

- **1st Review**: Danny Casias
  - Printed name
  - Signature: [Signature]
  - Date: [Date]

- **2nd Review**: Michael J. Christensen
  - Printed name
  - Signature: [Signature]
  - Date: [Date]

- **Supervisor Approval**: John Gardner
  - Printed name
  - Signature: [Signature]
  - Date: [Date]
**Additional Observations and Findings**

**Observations:**
See CC1-P3-125 BOSS was unable to create paper ballots with the templates supplied by the vendor for this certification. **Vendor was unable to provide a VDT2 template file for creating ballots.**

SEE NOTE ALSO ON CC4-P3-130

---

**Findings:**
Voting system does NOT meet the requirements of this test.

---

**Signed by:**

**Danny Casias**
Printed name

**Michael L. Gardner**
Printed name

**John Gardner**
Printed name

**Signature**

**Date**

---

**Review:**

**1st Review**

**2nd Review**

**Supervisor Approval**
CDOS Certification Number: 2007-CDOS-HAR-001-0404
Manufacturer: Hart Intercivic
Application Date: 04/04/2007

Test Number
CC3-P3 - 342
Except as provided in subsections (1.5) and (1.5) of this section, the extreme top part of each ballot may be divided into two spaces by two perforated or dotted lines. Each space shall be not less than one inch wide. The top portion is called the stub, and the next portion is called the duplicate stub. The same number shall be printed upon both the stub and the duplicate stub. All ballots shall be numbered consecutively. All ballots shall be uniform and of sufficient length and width to allow for the names of candidates, officers, ballot issues, and ballot questions to be printed in clear, bold type, with a space of at least one-half inch between the different columns on the ballot. Each ballot shall be printed the endorsement "Official ballot for ..................", and after the word "for" shall follow the designation of the precinct, if appropriate, and the political subdivision for which the ballot is prepared, the date of the election, and a facsimile of the signature of the election official. The election official shall use precisely the same quality and tint of paper, the same kind of type, and the same style of font, and print in black ink for all ballots prepared for one election. The size of the ballot stubs and the spacing of the printed material may be varied to suit the conditions imposed by the use of the ballot cards. The ballot stub may also include color marking or wording to indicate that the stub must show when the ballot is voted and placed in the privacy envelope for deposit in the ballot box.

Purpose:
The purpose of this test is to verify that ballots provided comply with the requirements for ballot stubs and headers as defined within.

Prerequisites:

Test Procedures:
N/A

Variances Used During Testing:

Test Expected Outcome:
Paper ballot supplied by the vendor complies and is capable of stubs/header information as indicated in requirements. Record all observations, findings and combinations as appropriate.
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.
**2007-CDOS-HAR-001-0404**

### Environment

- Pre Election

### Test Log

<table>
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<tr>
<th>Date</th>
<th>Test</th>
<th>Operator</th>
<th>Activities and Findings</th>
<th>Incident Reports</th>
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### Test Log Details

Documents (list all documents)

- No ☐
- Yes ☑

Videos (list all videos)

- No ☑
- Yes ☐

Photos (list all photos)

- No ☐
- Yes ☐

### Acceptable Compensating Controls

**Results Summary**

- **TEST DOES NOT MEET EXPECTED OUTCOME**

### Final Test Status

- Fail

### 1st Review

- **T. Bishop**

  - Printed name
  - Signature: [Signature]
  - Date: 11/20/07

### 2nd Review

- **Danny Casias**

  - Printed name
  - Signature: [Signature]
  - Date: 11/30/07

### Supervisor Approval

- **John Gardner**

  - Printed name
  - Signature: [Signature]
  - Date: 12/1/07
Additional Observations and Findings

Observations:
See notes on CC2-P3-233, Central Count uses the same paper ballots.

11-27-2007 Addendum: See attached photos, space of at least one half inch between columns fails, ballot stub is located at the bottom of ballot on demand ballot. Test requirement of "official Ballot for ..." was not accomplished by the vendor for this certification.

Findings:
Voting system does not meet the requirements of this test.

T. Bishop
Printed name
Signature Date

Danny Casias
Printed name
Signature Date

John Gardner
Printed name
Signature Date
CDOS Certification Number: 2007-CDOS-HAR-001-0404

Manufacturer: Sequoia

Application Date: 04/03/2007

Test Number
CC3-P3 - 343

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Ballot design shall cover the scope of allowable designs for the given system. For example, if a system is capable of producing 11" and 18" ballots, then both ballot styles shall be tested in each of the elections above. If more sizes are available, they shall also be tested. Ballots must be designed and presented with a maximum of four (4) columns and a minimum of one (1) column.

**Purpose:**

The purpose of this test is to verify that the voting system provider has provided ballots in all formats possible by the system each type of ballot shall be presented for testing.

**Prerequisites:**

CC2-P3-208

**Test Procedures:**

**Variance Used During Testing:**

System is capable of producing ballots as documented. Design allows for at least one column and at most 4 columns.
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, step and restoring the system as necessary.

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**Documents** (list all documents)
- 809-P3-343-001(n)

**Videos** (list all videos)
- No [x] Yes [ ]

**Photos** (list all photos)
- No [ ] Yes [x]

**Acceptable Compensating Controls**

**Results Summary**

**Final Test Status**
- TEST DOES NOT MEET EXPECTED OUTCOME
  - FAIL

**1st Review**
- Danny Casies
  - Printed name
  - Signature: [Signature]
  - Date: 11/10/07

**2nd Review**
- Michael L. Chriswell
  - Printed name
  - Signature: [Signature]
  - Date: 12/03/07

**Supervisor Approval**
- John Gardner
  - Printed name
  - Signature: [Signature]
  - Date: 12/14/07

Voting Systems Certification Program

Created by the Colorado Secretary of State's Office
Additional Observations and Findings

Observations:
The voting system vendor supplied the testing board with 8 1/2 x 11 ballots, and 8 1/2 x 14" ballots both have two columns on the front and the back of the ballot. Additional layouts (and sizes) are available by their system for testing, but were not provided to the testing board. 

Findings:
The voting system fails to meet the test requirements.

1st Review:  
Danny Casias  
Printed name

2nd Review:  
M. Annunziata  
Printed name

Supervisor Approval:

John Gardner  
Printed name

Signature  Date  Signature  Date
State of Colorado
Department of State
1700 Broadway
Suite 250
Denver, CO 80290

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
CC3-P3 - 345
Sequence of Resolution Procedures for Central Count Optical Scan Procedures are (2) Official ballots shall be processed through the optical scanner, with sorted overvotes, blank ballots, and write-in ballots viewed and resolved by the resolution board. Only ballots sorted by the machine shall be subject to review by the resolution board. If there are no legally qualified write-in candidates, the write-in sort option shall not be utilized. The number of each duplicated ballot shall be entered on the resolution board log sheet.

Purpose:
The purpose of this test is to verify that central count scanners shall separate ballots as required herein.

Test Procedures:
Verify that the voting device can properly sort ballots with overvotes, blank ballots, and write-in votes.

Prerequisites:

Variance Used During Testing:

Test Expected Outcome:
Central Count scanners shall be capable of recognizing and separating overvotes, blank ballots, and write-in ballots.
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, reporting, stop and restoring the system as necessary.

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**Documents**

- No [x] Yes [ ]

**Videos**

- No [ ] Yes [x]

**Photos**

- No [ ] Yes [x]

See video from 11/29

Acceptable Compensating Controls:

Results Summary:

- Test does not meet expected outcome: FAIL

**1st Review**

- Printed name: [Signature]
- Date: 12-4-07

**2nd Review**

- Printed name: [Signature]
- Date: 12-14-07

**Supervisor Approval**

- Printed name: [Signature]
- Date: [ ]
**Observations:**
See notes from DB3-P3-307. The device doesn't physically sort ballots with overvotes, blanks or write-ins, but the software does flag these conditions for the review board. See notes on DB3-P3-307, the software did not accurately interpret an overvote condition on a vote for three race condition and caused a miscount of the votes.

11/30/07 Addendum: See notes on CC3-P3-308 and CC3-P3-309. Because of errors processing overvotes and undervotes, the outcome of races were not recorded accurately during the processing of ballots. These errors were so significant (2 errors in 130 ballots) that the testing board has no confidence that the system will count ballots correctly for any given election.

**Findings:**
Voting system does not meet the requirements of this test.