

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-ESS-001-0403**

*Manufacturer:* *ESS*

*Application Date:* *04/03/2007*

*Test Number*

EA1-P3 - 101

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.1.2(g); 11-5-4	The Voting system shall provide for appropriately authorized operators to conduct the post election audit as required herein.	EA1-P3-101
<b>Cross Reference 1</b>		<b>Test Date</b>
		9/5/2007
<b>Cross Reference 2</b>		<b>Test End Date/Time</b>
		9/6/2007
<b>Cross Reference 3</b>		<b>Test Type (D, F, B)</b>
	Functional	<b>Eq Type</b>
	DRE	<b>Equipment Model</b>
		iVotronic
		<b>Serial number</b>
		5127916, 5133649
		<b>Manufacturer</b>
		ES & S

**Purpose:**

The purpose of this test is to allow only authorized operators to conduct the post election audit.

**Prerequisites:**

N/A

**Test Procedures:**

Use DB1-P3-101 for testing and setup of the device. Document the ability to perform the post election audit.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct the post election audit.

*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.*

Continue to next  
page...

陳其南

[illegible]

## Attachments

No

Yes ☐

7

No

☐Yes ☐

7

No

--	--

Yes ☐

7

## Acceptable Compensating Controls

## Results Summary

The voting system does not meet the requirements.

### Final Test Status

**FAIL**

### 1st Review

Т. В. Сапог

Printed name \_\_\_\_\_

## 2nd Review

Jerome Louth

Printed name \_\_\_\_\_

**Supervisor Approval**

John Gardner

Printed name \_\_\_\_\_

*Signature*

*Signature*

9-20-07


Date \_\_\_\_\_

*Signature*

**Signature**

9/20/52

Date \_\_\_\_\_

  
Signature

*Signature*

9/20/27

Date \_\_\_\_\_

## Additional Observations and Findings

### Observations:

The voting system provider did not provide documentation detailing the quality of the thermal paper used by the RTAL printer. The testing board is therefore unable to fully evaluate this requirement.

### Findings:

The voting system does not meet the test requirements.

1st Review

2nd Review

Supervisor Approval

*[Signature]*

Printed name

*[Signature]*

Printed name

John Gardner

Printed name

*[Signature]*

Signature

9-20-07

Date

*[Signature]*

Signature

9/20/07

Date

*[Signature]*

Signature

9/20/07

Date

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*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EA2-P3 - 201

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.1.2(g); 11-5-4	The Voting system shall provide for appropriately authorized operators to conduct the post election audit as required herein.	EA2-P3-201
		<b>Test Date</b>
		9/5/2007
		<b>Test End Date/Time</b>
		9/6/2007
<b>Cross Reference 1</b>		<b>Test Type (D/F/B)</b>
		Functional
<b>Cross Reference 2</b>		<b>Eq. Type</b>
		PCOS
<b>Cross Reference 3</b>		<b>Equipment Model</b>
		M100
		<b>Serial number</b>
		204157
		<b>Manufacturer</b>
		ES & S

**Purpose:**

The purpose of this test is to allow only authorized operators to conduct the post election audit.

**Prerequisites:**

N/A

**Test Procedures:**

Use DB2-P3-201 for testing and setup of the device. Document operations of the device for the post election audit.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct the post election audit.

## Test Log

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.

[illegible]



[illegible]

Section 15					
Documents (list all documents)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	
Videos (list all videos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	
Photos (list all photos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	

### Acceptable Compensating Controls





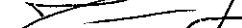
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[FAQ](#)

## Results Summary

The voting system does not meet the requirements.

## Final Test Status

**FAIL**

<div>1st Review</div> <div>             Printed name         </div>		<div>2nd Review</div> <div>             Printed name         </div>		<div>Supervisor Approval</div> <div>           John Gardner            Printed name         </div>	
<div>             Signature         </div>	<div>           9/17/07            Date         </div>	<div>             Signature         </div>	<div>           9-20-07            Date         </div>	<div>             Signature         </div>	<div>           9/20/07            Date         </div>

## Additional Observations and Findings

### Observations:

The voting device does not have user accounts nor passwords. It is therefore possible for any operator to conduct the post election audit, rather than only authorized users.

### Findings:

The voting system does not meet the test requirements.

1st Review

Jerome Lowth  
Printed name

Jerome Lowth  
Signature

9/17/07  
Date

2nd Review

T. Bishop  
Printed name

T. Bishop  
Signature

9.20.07  
Date

Supervisor Approval

John Gardner  
Printed name

[Signature]  
Signature

9/20/07  
Date

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Secretary of State

Holly Lowder  
Director of Elections

*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EA3-P3 - 301

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.1.2(g); 11-5-4	The Voting system shall provide for appropriately authorized operators to conduct the post election audit as required herein.	EA3-P3-301
		<b>Test Date</b>
		9/4/2007
		<b>Test End Date/Time</b>
		9/5/2007
<b>Cross Reference 1</b>		<b>Test Type (D/R/B)</b>
		Functional
<b>Cross Reference 2</b>		<b>Eq Type</b>
		CCOS
<b>Cross Reference 3</b>		<b>Equipment Model</b>
		M650
		<b>Serial number</b>
		1106 7477
		<b>Manufacturer</b>
		ES & S

**Purpose:**

The purpose of this test is to allow only authorized operators to conduct the post election audit.

**Prerequisites:**

N/A

**Test Procedures:**

Use DB3-P3-307 for voting and equipment setup.  
Document findings for conducting the post election audit.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct the post election audit.

## Test Log

*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.*



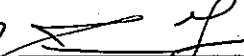
[illegible]

[illegible]

Documents			Videos			Photos		
Documents (list all documents)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Videos (list all videos)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Photos (list all photos)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>

### Acceptable Compensating Controls

<i>Results Summary</i>	<i>Final Test Status</i>
The voting system does not meet the requirements.	FAIL

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		V B. 5409		John Gardner	
Printed name		Printed name		Printed name	
 Signature		 Signature		 Signature	
9-6-07		9-13-07		9-17-07	
Date		Date		Date	

## Additional Observations and Findings

### Observations:

The voting device does not have user accounts nor passwords. It is therefore possible for any operator to conduct the post election audit, rather than only authorized users.

### Findings:

The voting system fails to meet the requirements.

#### 1st Review

Geneice Mathews

Printed name



Signature

9-6-07  
Date

#### 2nd Review



Printed name



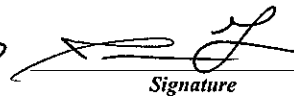
Signature

9-15-07  
Date

#### Supervisor Approval

John Gardner

Printed name



Signature

9/17/07  
Date

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Secretary of State

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*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EA4-P3 - 401

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.1.2(g); 11-5-4	The Voting system shall provide for appropriately authorized operators to conduct the post election audit as required herein.	EA4-P3-401
		<b>Test Date</b>
		9/6/2007
		<b>Test End Date/Time</b>
		9/7/2007
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
<b>Cross Reference 2</b>		<b>Eq Type</b>
		Software
<b>Cross Reference 3</b>		<b>Equipment Model</b>
		Unity
		<b>Serial number</b>
		N/A
		<b>Manufacturer</b>
		ES & S

**Purpose:**

The purpose of this test is to allow only authorized operators to conduct the post election audit.

**Prerequisites:**

Completion of trusted build.

**Test Procedures:**

Document the process and procedures for restricting access as required.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct the post election audit.

## Test Log

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.

[illegible]

**2007-CDOS-ESS-001-0403**

**Test Number**

EA4-P3 - 401

[illegible]

## Ingredients

*Documents*  
(list all documents)

No



**Yes**

7

## Videos

(list all videos)

No



**Yes**

7

**Photos**  
(list all photos)

No



**Ye.**

7

## Acceptable Compensating Controls

## Results Summary

### Final Test Status

The voting system does not meet the requirements.

**FAIL**

## 1st Review

Geneice Mathews

---

*Printed name*

## 2nd Review

T B. S. 1407  
Printed name

Printed name \_\_\_\_\_

**Supervisor Approval**

John Gardner


Printed name

  
Signature

9-10-07  
Date

*Signature*

9-15-07  
Date

  
Signature

Date 9/17/04

## Additional Observations and Findings

### Observations:

See information on BA4-P3-402. The voting system does not require passwords to access the voting system application, and therefore cannot meet this requirements.

### Findings:

The voting system fails to meet the test requirements.

#### 1st Review

Geneice Mathews

Printed name

  
Signature

9-10-07  
Date

#### 2nd Review

T. B. S. 10/2  
Printed name


  
Signature

9-13-07  
Date

#### Supervisor Approval

John Gardner

Printed name

  
Signature

9/17/07  
Date

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Secretary of State

Holly Lowder  
Director of Elections

*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* *ESS*

*Application Date:* *04/03/2007*

*Test Number*

EA7-P3 - 701

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.1.2(g); 11-5-4	The Voting system shall provide for appropriately authorized operators to conduct the post election audit as required herein.	EA7-P3-701
		<b>Test Date</b>
		9/4/2007
		<b>Test End Date/Time</b>
		9/5/2007
<b>Cross Reference 1</b>		<b>Test Type (D/E/B)</b>
		Functional
<b>Cross Reference 2</b>		<b>Eq Type</b>
		Amark
<b>Cross Reference 3</b>		<b>Equipment Model</b>
	Automark	
	<b>Serial number</b>	
	AMO206450782	
	<b>Manufacturer</b>	
	ES & S	

**Purpose:**

The purpose of this test is to allow only authorized operators to conduct the post election audit.

**Prerequisites:**

DB7-P3-710

**Test Procedures:**

Use setup and testing procedures from DB7-P3-710. Document the findings.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct the post election audit.

## Test Log

*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.*

[illegible]

**Test Number**

EA7-P3 - 701

[illegible]

# **Stencils**

No ☒ Yes ☐

No ☐ Yes ☒

No ☒ Yes ☐

See video from DB7-P3-710

## Acceptable Compensating Controls

### Results Summary

### Final Test Status

The voting system does not meet the requirements.

**FAIL**

## 1st Review

## 2nd Review

**Supervisor Approval**

Geneice Mathews

Г. В. Скоп

John Gardner

Printed name

Printed name

Printed name

  
Signature

5-6-07  
Date

*Signature*

9-15-07  
Date

  
Signature

9/17/07  
Date



## Additional Observations and Findings

### Observations:

The post election audit will be conducted from the paper ballots produced by the device. The device consistently marked ballots provided by the programming and voting system vendor incorrectly, causing the failure of the post-election audit.

### Findings:

The voting device does not meet the test requirements.

1st Review

Geneice Mathews

Printed name

  
Signature

9-6-07  
Date

2nd Review

  
Printed name

  
Signature

9-15-07  
Date

Supervisor Approval

John Gardner

Printed name

  
Signature

9/17/07  
Date

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Secretary of State

Holly Lowder  
Director of Elections

*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EB1-P3 - 101

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<b>Rule or Statute</b> 1-5-615(2)	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b> EB1-P3-101
	The permanent paper record produced by the electronic or electromechanical voting system shall be available as an official record for any recount conducted for any election in which the system was used.	<b>Test Date</b> 9/7/2007
		<b>Test End Date/Time</b> 9/8/2007
<b>Cross Reference 1</b>		<b>Test Type (D/F/B)</b> Functional
		<b>Eq. Type</b> DRE
<b>Cross Reference 2</b>		<b>Equipment Model</b> iVotronic
		<b>Serial number</b> N/A
<b>Cross Reference 3</b>		<b>Manufacturer</b> ES & S

**Purpose:**

The purpose of this test is to verify that the voting system will produce a permanent paper record suitable for conducting a recount.

**Prerequisites:**

Completion of Trusted build.

**Test Procedures:**

Document the quality and type of paper used by the DRE.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system devices will produce a permanent paper record suitable for conducting a recount.

## Test Log

Date	Time	Operator	Activities and Entries	Incident Reports
------	------	----------	------------------------	------------------



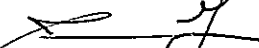
[illegible]

[illegible]

Attachments					
Documents (list all documents)	No	<input type="checkbox"/>	Yes	<input type="checkbox"/>	
Videos (list all videos)	No	<input type="checkbox"/>	Yes	<input type="checkbox"/>	
Photos (list all photos)	No	<input type="checkbox"/>	Yes	<input type="checkbox"/>	

### Acceptable Compensating Controls

<i>Results Summary</i>	<i>Final Test Status</i>
The voting system does not meet the requirements.	<b>FAIL</b>

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		T. B. SHOP		John Gardner	
Printed name		Printed name		Printed name	
 Signature		 Signature		 Signature	
3-10-07		9-15-07		9/17/07	
Date		Date		Date	

## Additional Observations and Findings

### Observations:

The voting device RTAL uses a thermal paper for capturing vote data. The thermal paper is capable of being used as a permanent paper record if stored under the requirements of rule 43 and Rule 11; however the vendor did not supply documentation on the type/quality of paper used by the device allowing the testing board to verify the quality of the paper.

### Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name

Signature

9-10-07

Date

2nd Review

Printed name

Signature

9-15-07

Date

Supervisor Approval

John Gardner

Printed name

Signature

9/17/07

Date

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Secretary of State

Holly Lowder  
Director of Elections

*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* *ESS*

*Application Date:* *04/03/2007*

*Test Number*

EB1-P3 - 102

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.5.2.1.2(f); 45.5.2.9.9; 14.6.1; 14.6.5; 14.6.6;	<p>The Voting system shall provide for appropriately authorized operators to conduct an election and meet additional requirements as identified in this section for procedures for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, and accumulating results as required herein; All optical scan tabulation machines to be used in the recount must be tested prior to the recount, utilizing the procedures set forth in this section. Prior to the recount, the canvass board shall choose at random and test Voting Devices and precinct(s) to be utilized as a test deck for purposes of section 1-10.5-102. The purpose of a test deck is to assure the tabulation machines are counting properly. The precinct chosen shall contain at least 50 ballots. A hand tally shall be conducted of the selected precinct or of a minimum of fifty ballots contained within the selected precinct. A blank prom cartridge, rom cartridge, or memory card shall be utilized for the test deck. The ballots from the selected precinct test deck shall be processed through all scan tabulation machines that will be utilized for the recount. The totals of the recounted contest obtained from the test precinct shall be compared to the hand-tallied total.</p> <p>Totals of recounted ballots shall be processed, counted, and reported in summary form as follows:</p> <p>Sum total of votes cast for each candidate, ballot issue or ballot question subject to the recount, under-votes, and over-votes for all precincts, absentee ballots, early voting locations.</p> <p>Determine the grand total of ballots cast in early, absentee, and precinct voting.</p> <p>If absentee ballots were originally counted with early voting ballots, then the recount will be of a</p>	EB1-P3-102
<i>Cross Reference 1</i>		<i>Test Date</i>
		9/7/2007
<i>Cross Reference 2</i>		<i>Test End Date/Time</i>
		9/8/2007
<i>Cross Reference 3</i>		<i>Test Type (D,F,B)</i>
		Functional
		<i>Eq Type</i>
		DRE
		<i>Equipment Model</i>
		iVotronic
		<i>Serial Number</i>
		N/A
		<i>Manufacturer</i>
		ES & S

**Purpose:**

The purpose of this test is to verify that the voting device only allows authorized operators to conduct an election and meet the additional requirements specified herein.

**Prerequisites:**

N/A

**Test Procedures:**

N/A

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct an election and meet additional requirements as identified for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, accumulating.



*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.*

Continue to next  
page...



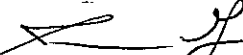
[illegible]

Attachments								
Documents (list all documents)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Videos (list all videos)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Photos (list all photos)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>

### Acceptable Compensating Controls

\_\_\_\_\_

Results Summary	Final Test Status
The test is not applicable for the voting device.	N/A

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		T B. 5.40.07		John Gardner	
Printed name		Printed name		Printed name	
					
Signature		Signature		Signature	
5-10-07		9-15-07		9/17/07	
Date		Date		Date	

## Additional Observations and Findings

### Observations:

This test is not applicable as the requirement applies to OS units.

### Findings:

This test is not applicable for DRE type voting devices.

1st Review

Geneice Mathews

Printed name

2nd Review

T Bishop

Printed name

Supervisor Approval

John Gardner

Printed name



Signature

5-10-07

Date



Signature

9-15-07

Date



Signature

9/17/07

Date

State of Colorado  
Department of State  
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Denver, CO 80290



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Secretary of State

Holly Lowder  
Director of Elections

*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EB2-P3 - 201

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<i>Rule or Statute</i>	<b>2007-CDOS-ESS-001-0403</b>	<i>Test Number</i>
45.5.2.1.2(f); 45.5.2.9.9; 14.6.1; 14.6.5; 14.6.6;	<p>The Voting system shall provide for appropriately authorized operators to conduct an election and meet additional requirements as identified in this section for procedures for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, and accumulating results as required herein; All optical scan tabulation machines to be used in the recount must be tested prior to the recount, utilizing the procedures set forth in this section. Prior to the recount, the canvass board shall choose at random and test Voting Devices and precinct(s) to be utilized as a test deck for purposes of section 1-10.5-102. The purpose of a test deck is to assure the tabulation machines are counting properly. The precinct chosen shall contain at least 50 ballots. A hand tally shall be conducted of the selected precinct or of a minimum of fifty ballots contained within the selected precinct. A blank prom cartridge, rom cartridge, or memory card shall be utilized for the test deck. The ballots from the selected precinct test deck shall be processed through all scan tabulation machines that will be utilized for the recount. The totals of the recounted contest obtained from the test precinct shall be compared to the hand-tallied total.</p> <p>Totals of recounted ballots shall be processed, counted, and reported in summary form as follows:</p>	EB2-P3-201
<i>Cross Reference 1</i>		<i>Test Date</i> 8/2/2007
		<i>Test End Date/Time</i> 8/2/2007
		<i>Test Type (D,F,B)</i> Functional
<i>Cross Reference 2</i>	<p>Sum total of votes cast for each candidate, ballot issue or ballot question subject to the recount, under-votes, and over-votes for all precincts, absentee ballots, early voting locations.</p> <p>Determine the grand total of ballots cast in early, absentee, and precinct voting.</p>	<i>Eq Type</i> PCOS
		<i>Equipment Model</i> M100
		<i>Serial number</i> 204157
<i>Cross Reference 3</i>		<i>Manufacturer</i> ES & S
	<p>If absentee ballots were originally counted with early voting ballots, then the recount will be of a</p>	

**Purpose:**

The purpose of this test is to verify that the voting device only allows authorized operators to conduct an election and meet the additional requirements specified herein.

**Prerequisites:**

DB2-P3-201; DB3-P3-307; DB2-P3-203

**Test Procedures:**

Use DB2-P3-201 for testing and setup of the device. Document operations of the device for the requirements listed herein.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct an election and meet additional requirements as identified for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, accumulating.





## Test Log

*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.*

[illegible]



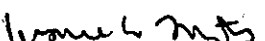

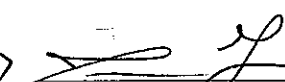


[illegible]

Main Body					
Documents (list all documents)		No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Videos (list all videos)	
		No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Photos (list all photos)	
				See DB3-P3-307	
				DB2-P3-307; DB2-P3-201; DB2-P3-203	

### Adjustable Compensating Controls

Results Summary	Final Test Status
Does not meet test expected outcome.	FAIL

1st Review		2nd Review		Supervisor Approval	
 Printed name		 Printed name		John Gardner Printed name	
 Signature	9/17/07 Date	 Signature	9-20-07 Date	 Signature	9/20/07 Date

## Additional Observations and Findings

### Observations:

The voting device does not have user accounts nor passwords. Therefore, unauthorized operators can access vote data.

### Findings:

The voting device does not meet this test requirement.

1st Review

Serene Luvato  
Printed name

[Signature] 9/17/07  
Signature Date

2nd Review

T. Bishop  
Printed name

[Signature] 9-20-07  
Signature Date

Supervisor Approval

John Gardner  
Printed name

[Signature] 9/20/07  
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-ESS-001-0403**

*Manufacturer:* *Election Systems and Software (ES.S)*

*Application Date:* *04/03/2007*

*Test Number*

EB2-P3 - 202

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<b>Rule or Statute</b> 1-5-615(2)	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b> EB2-P3-202
	The permanent paper record produced by the electronic or electromechanical voting system shall be available as an official record for any recount conducted for any election in which the system was used.	<b>Test Date</b> 8-2-07
		<b>Test End Date/Time</b> 8-2-07
<b>Cross Reference 1</b>		<b>Test Type (Dut/B)</b> Functional
		<b>Eq Type</b> PCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b> M100
		<b>Serial number</b>
<b>Cross References</b>		<b>Manufacturer</b> ES & S

<p><b><u>Purpose:</u></b></p> <p>The Purpose of this test is to:          Ensure permanent paper record available from device for a recount.</p> <p><b><u>Test Procedures:</u></b></p> <p>There are no formal test procedures associated with this test. The procedure for using the _____ is located in the _____ section of the _____ guide. Refer to test log section for steps taken.</p> <p>DB2-P3-201</p>	<p><b><u>Prerequisites:</u></b> Reference          DB2-P3-201</p> <p><b><u>Variances Used During Testing:</u></b></p> <p>Reference          DB2-P3-201</p>
---	--

The voting system devices will produce a permanent paper record suitable for conducting a recount.

Environment		2007-CDOS-ESS-001-0403		Test Number	
Post Election				EB2-P3 - 202	
Test Log					
Date	Time	Operator	Activities and Entries	Incident Report	
8-2-07		Genevieve	Reference test # DBZ-P3-201 test completed with paper ballots of about 80lb card stock. Paper ballots are of <del>good</del> durable <del>quality</del> <sup>gen</sup> paper that is suitable for conducting a recount. <del>A</del>		

EB2-P3 - 202

[illegible]

*Created by the Colorado Secretary of State's Office*

## Test Log

*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.*

[illegible]

*Continue to next page...*

[illegible]

**Documents**  
(list all documents)

**No** ☐

Yes ☐

**Videos**  
(list all videos)

No ☐

**Yes** ☒

*Photos*  
(list all photos)

No ☐

**Yes** ☐

DB2-P3-2G1  
DB3-P3-307

## Acceptable Compensating Controls

## Results Summary

### Final Test Status

Test Meets Expected Outcome
<p>1. The student will be able to identify the main idea of a passage.</p> <p>2. The student will be able to identify the supporting details of a passage.</p> <p>3. The student will be able to identify the author's purpose for writing a passage.</p> <p>4. The student will be able to identify the author's point of view.</p> <p>5. The student will be able to identify the author's tone.</p> <p>6. The student will be able to identify the author's style.</p> <p>7. The student will be able to identify the author's audience.</p> <p>8. The student will be able to identify the author's message.</p> <p>9. The student will be able to identify the author's theme.</p> <p>10. The student will be able to identify the author's genre.</p>

§

### 1st Review

## 2nd Review

### Supervisor Approval

Geneice Mathews  
Printed name

T. Bishop  
Printed by


John Gardner  
Printed name

  
Signature

8-2-07  
Date

*[Signature]*  
Signature

9-15-07  
Date

  
Signature

9/17/08  
Date



## Additional Observations and Findings

**Observations:**

See log.

**Findings:**

Paper ballots used in the M100 are of suitable design and weight for conducting a recount.

1st Review

Genevieve Mathews

Printed name

Genevieve Mathews

Signature

8-2-07

Date

2nd Review

T. Bishop

Printed name

T. Bishop

Signature

9-15-07

Date

Supervisor Approval

John Gardner

Printed name

John Gardner

Signature

9/17/07

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-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EB3-P3 - 301

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<i>Rule or Statute</i>	<b>2007-CDOS-ESS-001-0403</b>	<i>Test Number</i>
45.5.2.1.2(f); 45.5.2.9.9; 14.6.1; 14.6.5; 14.6.6;	<p>The Voting system shall provide for appropriately authorized operators to conduct an election and meet additional requirements as identified in this section for procedures for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, and accumulating results as required herein; All optical scan tabulation machines to be used in the recount must be tested prior to the recount, utilizing the procedures set forth in this section. Prior to the recount, the canvass board shall choose at random and test Voting Devices and precinct(s) to be utilized as a test deck for purposes of section 1-10.5-102. The purpose of a test deck is to assure the tabulation machines are counting properly. The precinct chosen shall contain at least 50 ballots. A hand tally shall be conducted of the selected precinct or of a minimum of fifty ballots contained within the selected precinct. A blank prom cartridge, rom cartridge, or memory card shall be utilized for the test deck. The ballots from the selected precinct test deck shall be processed through all scan tabulation machines that will be utilized for the recount. The totals of the recounted contest obtained from the test precinct shall be compared to the hand-tallied total.</p> <p>Totals of recounted ballots shall be processed, counted, and reported in summary form as follows:</p> <p>Sum total of votes cast for each candidate, ballot issue or ballot question subject to the recount, under-votes, and over-votes for all precincts, absentee ballots, early voting locations.</p> <p>Determine the grand total of ballots cast in early, absentee, and precinct voting.</p> <p>If absentee ballots were originally counted with early voting ballots, then the recount will be of a</p>	EB3-P3-301
<i>Cross Reference 1</i>		<i>Test Date</i>
		9/7/2007
<i>Cross Reference 2</i>		<i>Test End Date/Time</i>
		9/8/2007
<i>Cross Reference 3</i>		<i>Test Type (D,F,B)</i>
		Functional
		<i>Eq Type</i>
		CCOS
		<i>Equipment Model</i>
		M650
		<i>Serial number</i>
		N/A
		<i>Manufacturer</i>
		ES & S

### Purpose:

The purpose of this test is to verify that the voting device only allows authorized operators to conduct an election and meet the additional requirements specified herein.

### Prerequisites:

CB3-P3-301

### Test Procedures:

Document the ability for the system to be reset and programmed for counting a recount as required herein.

### Variances Used During Testing:

N/A

### *Test Expected Outcome*

The voting system allows only authorized operators to conduct an election and meet additional requirements as identified for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, accumulating.

*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, retarting, stop and restoring the system as necessary.*

Continue to next  
page...

[illegible]

*Documents*  
(list all documents)

*No*

1

**Yes**

[illegible]

*Videos*  
(list all videos)

**No**

1

**Ye:**

7

**Photos**  
(list all photos)

No

7

*Ye*

7

## Acceptable Compensating Controls

## Results Summary

The voting system does not meet the requirements.

### Final Test Status

**FAIL**

### 1st Review

Geneice Mathews

Printed name

## 2nd Review

T. B. S. H. O. /

Printed name \_\_\_\_\_

**Supervisor Approval**

John Gardner

Printed name

*Signature*

Date \_\_\_\_\_

**Signature**

Date \_\_\_\_\_

*Signature*

*Date*

## *Additional Observations and Findings*

### Observations:

See notes on CB3-P3-301. It has been determined that the device does not require passwords for the operation. Therefore, the expected outcome of only authorized operators using the equipment cannot be met.

### Findings:

The voting system does not meet the test expected outcome.

#### 1st Review

Geneice Mathews

Printed name

  
Signature

9-11-07  
Date

#### 2nd Review

T. Bishop  
Printed name

  
Signature

9-15-07  
Date

#### Supervisor Approval

John Gardner

Printed name

  
Signature

9/17/07  
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-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EB3-P3 - 302

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
1-5-615(2)	The permanent paper record produced by the electronic or electromechanical voting system shall be available as an official record for any recount conducted for any election in which the system was used.	EB3-P3-302
		<b>Test Date</b>
		9/4/2007
		<b>Test End Date/Time</b>
		9/5/2007
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq. Type</b>
		CCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b>
	M650	
	<b>Serial Number</b>	
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

**Purpose:**

The purpose of this test is to verify that the voting system will produce a permanent paper record suitable for conducting a recount.

**Prerequisites:**

Instructions for voting system vendors.

**Test Procedures:**

Document the permanent paper record for the voting system.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system devices will produce a permanent paper record suitable for conducting a recount.



## Test Log

*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, retarting, stop and restoring the system as necessary.*

[illegible]

## Post Election

EB3-P3 - 302

[illegible]

## Abstract

*Documents*  
(list all documents)

No ☐

Yes ☒

**Videos**  
(list all videos)

No ☒

**Yes** ☐

*Photos*  
(list all photos)

*No* ☒

**Yes** ☐

Deck ESS 1 CO  
ESS 1 PO

### Acceptable Compensating Controls

## Results Summary

The voting system meets the test requirements.

### Final Test Status

**PASS**

### 1st Review

Geneice Mathews

Printed name

## 2nd Review

T. Bishop  
Printed name

Printed name

**Supervisor Approval**

John Gardner

Printed name

 9-6-07  
Signature Date

N. B. Brey 9-15-07  
Signature Date

Signature \_\_\_\_\_ Date 9/17/07

## Additional Observations and Findings

### Observations:

See decks ESS 1CO, and ESS 1PO. The ballots are of sufficient weight and stock to be used as a permanent paper record for the election.

### Findings:

The voting system meets the test requirements.

#### 1st Review

Geneice Mathews

Printed name

  
Signature

9-6-07  
Date

#### 2nd Review

T. Bishop  
Printed name

  
Signature

9-15-07  
Date

#### Supervisor Approval

John Gardner

Printed name

  
Signature

9-17-07  
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-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EB3-P3 - 303

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<i>Rule or Statute</i>	<b>2007-CDOS-ESS-001-0403</b>	<i>Test Number</i>
27.4.2(b)(1)	Sequence of Resolution Procedures for Central Count Optical Scan Procedures are (1) A zero tape shall be run indicating no votes cast or counted before the counting begins.	EB3-P3-303
		<i>Test Date</i>
		9/5/2007
		<i>Test End Date/Time</i>
		9/6/2007
<i>Cross Reference 1</i>		<i>Test Type (D, F, B)</i>
		Functional
		<i>Eq Type</i>
<i>Cross Reference 2</i>		CCOS
		<i>Equipment Model</i>
		M650
<i>Cross Reference 3</i>		<i>Serial Number</i>
		1106 7747
		<i>Manufacturer</i>
		ES & S

**Purpose:**

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

**Prerequisites:**

DB3-P3-307

**Test Procedures:**

See DB3-P3-307 for notes and election setup. Document the process for printing a zero report prior to voting.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The central counting module produces a zero report before counting begins.

## Test Log

*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, retarting, stop and restoring the system as necessary.*

[illegible]



## Additional Observations and Findings

### Observations:

See attached evidence bag # 0906-ESS-O-42. The voting system prints a zero report prior to the start of counting.

*See attached report.*

### Findings:

The voting system meets the test requirements.

#### 1st Review

Geneice Mathews

Printed name

*Gene Mathews*  
Signature

9.7.07  
Date

#### 2nd Review

*T. Bishop*  
Printed name

*T. Bishop*  
Signature

9-13-07  
Date

#### Supervisor Approval

John Gardner

Printed name

*John Gardner*  
Signature

1/17/07  
Date



EB3-P3-303

1 1320130001 Node 2  
15:40:04 6-Sep-2007

Page 1

	Total Percent
REGISTERED VOTERS - TOTAL . . . . .	0
BALLOTS COUNTED - TOTAL . . . . .	0
BALLOTS COUNTED - BLANK . . . . .	0

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

	Total Percent
REGISTERED VOTERS - TOTAL . . . . .	0
BALLOTS COUNTED - TOTAL . . . . .	0
BALLOTS COUNTED - BLANK . . . . .	0

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

03 2162930001 Node 2  
15:40:05 6-Sep-2007

Page 1

	Total Percent
REGISTERED VOTERS - TOTAL . . . . .	0
BALLOTS COUNTED - TOTAL . . . . .	0
BALLOTS COUNTED - BLANK . . . . .	0

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

	Total	Percent
REGISTERED VOTERS -- TOTAL . . . . .	0	
BALLOTS COUNTED - TOTAL . . . . .	0	
BALLOTS COUNTED - BLANK . . . . .	0	

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

005 2232930001 Node 2  
15:40:05 6-Sep-2007

Page 1

	Total Percent
REGISTERED VOTERS - TOTAL . . . . .	0
BALLOTS COUNTED - TOTAL . . . . .	0
BALLOTS COUNTED - BLANK . . . . .	0

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

06 6162530001 Node 2  
15:40:05 6-Sep-2007

Page 1

	Total Percent
REGISTERED VOTERS - TOTAL . . . . .	0
BALLOTS COUNTED - TOTAL . . . . .	0
BALLOTS COUNTED - BLANK . . . . .	0

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

07 6222230003 Node 2  
15:40:05 6-Sep-2007

Page 1

	Total Percent
REGISTERED VOTERS - TOTAL . . . . .	0
BALLOTS COUNTED - TOTAL . . . . .	0
BALLOTS COUNTED - BLANK . . . . .	0

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

08 6222530001 Node 2  
15:40:05 6-Sep-2007

Page 1

	Total	Percent
REGISTERED VOTERS - TOTAL . . . . .	0	
BALLOTS COUNTED - TOTAL . . . . .	0	
BALLOTS COUNTED - BLANK . . . . .	0	

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0



09 6222830010 Node 2  
15:40:05 6-Sep-2007

Page 1

	Total	Percent
REGISTERED VOTERS - TOTAL . . . . .	0	
BALLOTS COUNTED - TOTAL . . . . .	0	
BALLOTS COUNTED - BLANK . . . . .	0	

Question 1A

DISTRICT R-1

(VOTE FOR ) 1

YES . . . . .	0
NO . . . . .	0

SCHOOL DISTRICT R-1 SUCCESSORS

(VOTE FOR ) 1

JAN TANNER . . . . .	0
JOHN G. SCHLEY . . . . .	0
ALBERT GONZALES . . . . .	0
GREG GARCIA . . . . .	0
CHARLIE BOBBITT . . . . .	0

07192430001 Node 2  
12:40:05 6-Sep-2007

Total Percent

REGISTERED VOTERS - TOTAL . . . . .  
BALLOTS COUNTED - TOTAL : : : : :  
BALLOTS COUNTED - BLANK : : : : :

0  
0  
0

District R-1  
SCHOOL DISTRICT R-1 SUCCESSORS : : : : :  
JAN TANNER . . . . .  
JOHN G. SCHLEY . . . . .

0  
0  
0  
0

Total Percent

091407692380903-Node 2

Total Percent

REGISTERED VOTERS - TOTAL . . . . .  
BALLOTS COUNTED - BLANK : : : : :

0  
0

Question 1A  
DISTRICT R-1  
(VOTE FOR ) 1

YES . . . . .  
NO . . . . .

0  
0

SCHOOL DISTRICT R-1 SUCCESSORS  
(VOTE FOR ) 1

JAN TANNER . . . . .  
JOHN G. SCHLEY . . . . .  
ALBERT GONZALES . . . . .  
GREG GARCIA . . . . .  
CHARLIE BOBBITT . . . . .

0  
0  
0  
0  
0

Total Percent

\*\*\*\*\*SCHOOL DISTRICT R-1 SUCCESSORS . . . . .

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-ESS-001-0403**

*Manufacturer:* *ESS*

*Application Date:* *04/03/2007*

*Test Number*

EB4-P3 - 401

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2007-CDOS-ESS-001-0403		Test Number
<b>Rule or Statute</b> 45.5.2.1.2(f); 45.5.2.9.9; 14.6.1; 14.6.5; 14.6.6;	<p>The Voting system shall provide for appropriately authorized operators to conduct an election and meet additional requirements as identified in this section for procedures for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, and accumulating results as required herein; All optical scan tabulation machines to be used in the recount must be tested prior to the recount, utilizing the procedures set forth in this section. Prior to the recount, the canvass board shall choose at random and test Voting Devices and precinct(s) to be utilized as a test deck for purposes of section 1-10.5-102. The purpose of a test deck is to assure the tabulation machines are counting properly. The precinct chosen shall contain at least 50 ballots. A hand tally shall be conducted of the selected precinct or of a minimum of fifty ballots contained within the selected precinct. A blank prom cartridge, rom cartridge, or memory card shall be utilized for the test deck. The ballots from the selected precinct test deck shall be processed through all scan tabulation machines that will be utilized for the recount. The totals of the recounted contest obtained from the test precinct shall be compared to the hand-tallied total.</p> <p>Totals of recounted ballots shall be processed, counted, and reported in summary form as follows:</p> <p>Sum total of votes cast for each candidate, ballot issue or ballot question subject to the recount, under-votes, and over-votes for all precincts, absentee ballots, early voting locations.</p> <p>Determine the grand total of ballots cast in early, absentee, and precinct voting.</p> <p>If absentee ballots were originally counted with early voting ballots, then the recount will be of a</p>	EB4-P3-401
<b>Cross Reference 1</b>		<b>Test Date</b> 9/7/2007
<b>Cross Reference 2</b>		<b>Test End Date/Time</b> 9/8/2007
<b>Cross Reference 3</b>		<b>Test Type (D/F/B)</b> Functional
		<b>Eq Type</b> Software
		<b>Equipment Model</b> Unity
		<b>Serial number</b> N/A
		<b>Manufacturer</b> ES & S

### Purpose:

The purpose of this test is to verify that the software module only allows authorized operators to conduct an election and meet the additional requirements specified herein.

### Prerequisites:

BA4-P3-402

### Test Procedures:

Document the ability for the system to be reset and programmed for counting a recount as required herein.

### Variances Used During Testing:

N/A

### Test Expected Outcome

The voting system allows only authorized operators to conduct an election and meet additional requirements as identified for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, accumulating.

## Test Log

*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, retarting, stop and restoring the system as necessary.*

[illegible]

**Test Number**

EB4-P3 - 401

## DESIGN

Attachments														
Documents (list all documents)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	Videos (list all videos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	Photos (list all photos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>

## Acceptable Compensating Controls

## Results Summary

### Final Test Status

The voting system does not meet the requirements.

**FAIL**

## 1st Review

~~Geneice Mathews~~

Printed name

## 2nd Review

Jerome Lando

Printed name

**Supervisor Approval**

John Gardner

Printed name

*Signature*

Date \_\_\_\_\_

**Signature**

Date \_\_\_\_\_

*Signature*

Date \_\_\_\_\_

## Additional Observations and Findings

### Observations:

See notes on BA4-P3-402. It has been determined that the components used for this process (HPM and ERM) do not require passwords for their operation. Therefore, the expected outcome of only authorized operators using the equipment cannot be met.

Reference CA4-P3-402 - ERM does not allow password protection. Tried to create a password using documentation and received an error code.

### Findings:

The voting system does not meet the test expected outcome.

1st Review

Genevieve Mathews

Printed name



Signature


9-15-07

Date

2nd Review

Jerome Lando

Printed name



Signature

9/15/07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/17/07

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-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EB7-P3 - 701

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
1-5-615(2)	The permanent paper record produced by the electronic or electromechanical voting system shall be available as an official record for any recount conducted for any election in which the system was used.	EB7-P3-701
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
		Test Type (D,F,B)
		Functional
		Eq Type
		Amark
		Equipment Model
	Automark	
	Serial Number	
	AMO206450782	
	Manufacturer	
	ES & S	

<p><b><u>Purpose:</u></b></p> <p>The purpose of this test is to verify that the voting system will produce a permanent paper record suitable for conducting a recount.</p>	<p><b><u>Prerequisites:</u></b></p> <p>DB7-P3-701</p>
<p><b><u>Test Procedures:</u></b></p> <p>Document findings of processing ballots on the Automark system.</p>	<p><b><u>Variances Used During Testing:</u></b></p> <p>N/A</p>
<p><b><u>Test Expected Outcome</u></b></p> <p>The voting system devices will produce a permanent paper record suitable for conducting a recount.</p>	

## Test Log

*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.*

[illegible]

[illegible]

Documents			Videos			Photos		
(list all documents)	No	Yes	(list all videos)	No	Yes	(list all photos)	No	Yes
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DB7-P3-701	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Acceptable Compensating Controls




\_\_\_\_\_

## Results Summary

The voting system does not meet the requirements.

## Final Test Status

**FAIL**

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		T. B. S. 1100		John Gardner	
Printed name		Printed name		Printed name	
					
Signature		Signature		Signature	
9-4-07		9-15-07		9/17/07	
Date		Date		Date	

## Additional Observations and Findings

### Observations:

See notes on DB7-P3-701, and DB7-P3-703. Although the Automark unit does not tabulate votes, due to the errors in programming by the voting system vendor, and the issues with the ballots provided to the test board, the Automark device did not mark ballots appropriately for casting the paper ballot accurately.

### Findings:

The voting system does not meet the test requirements.

#### 1st Review

Geneice Mathews

Printed name



Signature

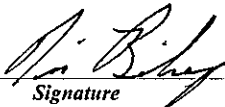
9-4-07

Date

#### 2nd Review

T. Bishop

Printed name



Signature

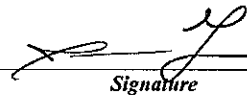
9-15-07

Date

#### Supervisor Approval

John Gardner

Printed name



Signature

9/17/07

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-ESS-001-0403**

*Manufacturer:* *ESS*

*Application Date:* *04/03/2007*

<i>Test Number</i>
EB7-P3 - 702

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<i>Rule or Statute</i>	<b>2007-CDOS-ESS-001-0403</b>	<i>Test Number</i>
45.5.2.1.2(f); 45.5.2.9.9; 14.6.1; 14.6.5; 14.6.6;	<p>The Voting system shall provide for appropriately authorized operators to conduct an election and meet additional requirements as identified in this section for procedures for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, and accumulating results as required herein; All optical scan tabulation machines to be used in the recount must be tested prior to the recount, utilizing the procedures set forth in this section. Prior to the recount, the canvass board shall choose at random and test Voting Devices and precinct(s) to be utilized as a test deck for purposes of section 1-10.5-102. The purpose of a test deck is to assure the tabulation machines are counting properly. The precinct chosen shall contain at least 50 ballots. A hand tally shall be conducted of the selected precinct or of a minimum of fifty ballots contained within the selected precinct. A blank prom cartridge, rom cartridge, or memory card shall be utilized for the test deck. The ballots from the selected precinct test deck shall be processed through all scan tabulation machines that will be utilized for the recount. The totals of the recounted contest obtained from the test precinct shall be compared to the hand-tallied total.</p> <p>Totals of recounted ballots shall be processed, counted, and reported in summary form as follows:</p>	EB7-P3-702
<i>Cross Reference 1</i>		<i>Test Date</i>
		9/1/2007
<i>Cross Reference 2</i>		<i>Test End Date/Time</i>
		9/4/2007
<i>Cross Reference 3</i>		<i>Test Type (D, F, B)</i>
	Sum total of votes cast for each candidate, ballot issue or ballot question subject to the recount, under-votes, and over-votes for all precincts, absentee ballots, early voting locations.	Functional
	Determine the grand total of ballots cast in early, absentee, and precinct voting.	<i>Eq. Type</i>
	If absentee ballots were originally counted with early voting ballots, then the recount will be of a	Amark
		<i>Equipment Model</i>
		Automark
		<i>Serial number</i>
		N/A
		<i>Manufacturer</i>
		ES & S

**Purpose:**

The purpose of this test is to verify that the voting device only allows authorized operators to conduct an election and meet the additional requirements specified herein.

**Prerequisites:**

N/A

**Test Procedures:**

N/A

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system allows only authorized operators to conduct an election and meet additional requirements as identified for voting, auditing information, inventory control, counting ballots, opening and closing polls, recounts, reporting, accumulating.

*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.*

Continue to next  
page...



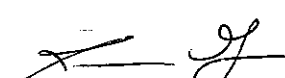
[illegible]

Attachments					
Documents (list all documents)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	
Videos (list all videos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	
Photos (list all photos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	

## Acceptable Compensating Controls

\_\_\_\_\_

<i>Results Summary</i>	<i>Final Test Status</i>
This test is not applicable for this voting device	N/A

<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1st Review</div> </div>		<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2nd Review</div> </div>		<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Supervisor Approval</div> </div>	
<p style="text-align: center;">Geneice Mathews</p> <hr/> <p style="text-align: center;"><i>Printed name</i></p>		<p style="text-align: center;">S. B. SHO?</p> <hr/> <p style="text-align: center;"><i>Printed name</i></p>		<p style="text-align: center;">John Gardner</p> <hr/> <p style="text-align: center;"><i>Printed name</i></p>	
<p style="text-align: center;">   <hr/> <i>Signature</i> </p>		<p style="text-align: center;">   <hr/> <i>Signature</i> </p>		<p style="text-align: center;">   <hr/> <i>Signature</i> </p>	
<p style="text-align: center;">9-5-07</p> <hr/> <p style="text-align: center;"><i>Date</i></p>		<p style="text-align: center;">9-15-07</p> <hr/> <p style="text-align: center;"><i>Date</i></p>		<p style="text-align: center;">9/17/07</p> <hr/> <p style="text-align: center;"><i>Date</i></p>	



## Additional Observations and Findings

### Observations:

N/A

### Findings:

This requirement is not applicable for the AutoMark device as in a recount situation, the device is not used for "remarking" ballots.

#### 1st Review

Geneice Mathews

Printed name

#### 2nd Review

T. Bishop

Printed name

#### Supervisor Approval

John Gardner

Printed name



Signature

9-5-07

Date



Signature

9-15-07

Date



Signature

9/17/07

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-ESS-001-0403**

*Manufacturer:* **ESS**

*Application Date:* **04/03/2007**

*Test Number*

EC3-P3 - 302

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
27.4.2(d)(1)	Recount Procedures for Optical Scan for Central Count Optical Scan Procedures include; (1) Optical scan equipment must be set to consistent sensitivity standards for each system type, must be tested prior to the recount, and shall be programmed to sort undervotes for the individual race(s), issue(s) or question(s) being recounted.	EC3-P3-302
		Test Date
		9/5/2007
		Test End Date/Time
		9/6/2007
		Test Type (D/F/B)
		Functional
Cross Reference 1		Eq Type
		CCOS
Cross Reference 2		Equipment Model
		M650
		Serial Number
		1106 7747
Cross Reference 3		Manufacturer
		ES & S

**Purpose:**

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

**Prerequisites:**

N/A

**Test Procedures:**

Document the systems ability to sort ballots on the required items.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

Optical scan equipment will allow for calibration and testing prior to recounting. Additionally the device will sort undervotes for individual contests, issues, or questions being recounted.

## Test Log

*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, retarting, stop and restoring the system as necessary.*

[illegible]



## Additional Observations and Findings

### Observations:

See attached photos. The voting system allows the operator at any time adjust the scanners settings to sort for blank, over-voted, write-ins, and "special" race situations (special requires a flag set in Unity).

### Findings:

The voting system meets the test requirements.

#### 1st Review

Geneice Mathews

Printed name



Signature

9-7-07

Date

#### 2nd Review



Printed name



Signature

9-15-07

Date

#### Supervisor Approval

John Gardner

Printed name



Signature

9/17/07

Date

EX-3-P3-302

SORT

WRITE  
IN

SPECIAL

OVER  
VOTE

BLANK



SORT

BLANK

ON

OVER-  
VOTE

ON

SPECIAL

ON

WRITE-  
IN

ON