

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*

<i>Test Number</i>
DB3-P3 - 311

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.8	The voting system provider shall provide 10 ballot marking pens/pencils/markers as defined by their system for marking ballots by the Secretary of State or the designee.	DB3-P3-311
		Test Date
		7-24-07
		Test End Date/Time
		7-24-07
Cross Reference 1		Test Type (D,F,B)
		Functional
Cross Reference 2		Eq Type
		CCOS
Cross Reference 3		Equipment Model
		M650
		Serial number
		N/A
		Manufacturer
		ES & S

Test Procedure Specification

Purpose:

The Purpose of this test is to:
 Ensure VSM provides sufficient
 numbers of ballot marking pens/
 devices

Prerequisites:

N/A

Test Procedures:

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.

N/A

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided sufficient numbers of ballot marking devices.

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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page...

[illegible]

Additional Observations and Findings

Observations:

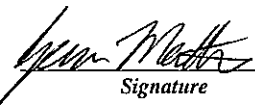
See log

Findings:

Received about 12 or more pens in a baggy labeled as ballot marking pens.

1st Review

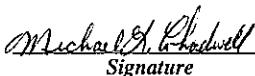
Geneke Mathews
Printed name


Signature

7-24-07
Date

2nd Review

Michael L. Chappell
Printed name


Signature

9-12-07
Date

Supervisor Approval

John Gardner
Printed name

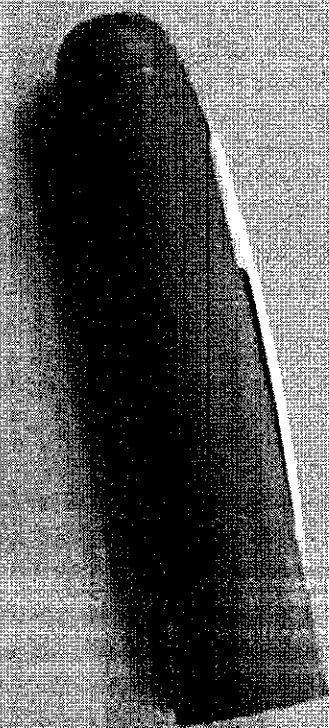
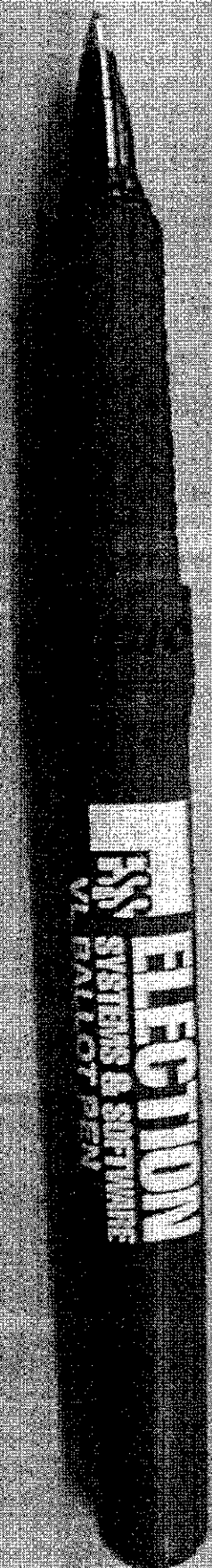
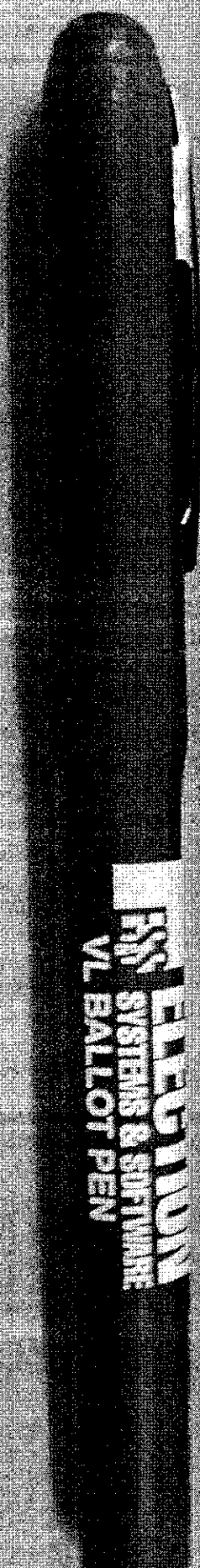

Signature

7/15/07
Date

SAMPLE OF WRITING,
W/ DEVICE







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Holly Lowder
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Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

DB3-P3 - 312

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.9	The testing board shall mark a minimum of 300 ballots with marking devices of various color, weight, and consistency to determine accurate counting with a variety of marking devices.	DB3-P3-312
		<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>Serial number</i>
<i>Cross Reference 3</i>		1106 7477
		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that the scanning device can detect colors other than black or blue. 300 unique marking devices shall be used and identified as to which types of devices can be read. (n/a for DRE)

Prerequisites:

N/A

Test Procedures:

Process deck ESS COL and document findings.

Variances Used During Testing:

N/A

Test Expected Outcome:

Voting system will accurately recognize and tally a wide variety of marking devices.

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:

The testing board was unable to conduct this test due to performance issues with the device. See notes in DB3-P3-307 for additional information.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name

Signature

2nd Review

Michael L. Chadwell

Printed name

Signature

Supervisor Approval

John Gardner

Printed name

Signature

9/7/07

Date

Michael L. Chadwell

9/12/07

Date

Signature

9/15/07

Date

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Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

DB3-P3 - 313

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.7(d)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: One separate deck of ballots consisting of 200 ballots of any single precinct from the Coordinated election shall be provided that contains a two page ballot (races on four faces).	DB3-P3-313
		<i>Test Date</i>
		9/17/2007
		<i>Test End Date/Time</i>
		9/17/2007
<i>Cross Reference 1</i>		<i>Test Type (D,F,B)</i>
		Functional
<i>Cross Reference 2</i>		<i>Eq. Type</i>
		CCOS
		<i>Equipment Model</i>
		M650
<i>Cross Reference 3</i>		<i>Serial number</i>
		N/A
		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.
DB3-P3-307

Test Procedures:

Verify that the vendor provided a sufficient number of two-page ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided sufficient numbers of ballots with two pages.

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.



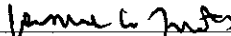

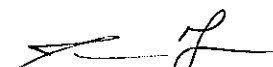
[illegible]

[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>
The voting system fails to meet the requirements.	FAIL

1st Review		2nd Review		Supervisory 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 ballots provided were not suitable for testing per DB3-P3-307.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

Senone Lovato

Printed name

Senone Lovato

Signature

9/17/07

Date

2nd Review

T. B. Sloop

Printed name

T. B. Sloop

Signature

9-20-07

Date

Supervisor Approval

John Gardner

Printed name

[Signature]

Signature

9/20/07

Date

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

Manufacturer: **ESS**

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

Test Number

DB3-P3 - 314

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(a)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Poll Place or Vote Center - ballots are flat – no score marks.	DB3-P3-314
Cross Reference 1		Test Date
		9/17/2007
Cross Reference 2		Test End Date/Time
		9/17/2007
Cross Reference 3		Test Type (D,E,B)
		Functional
		Eq Type
		CCOS
		Equipment Model
	M650	
	Serial number	
	N/A	
	Manufacturer	
	ES & S	

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Poll Place or Vote Center testing.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing poll place or vote center.

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...

Index Log

[illegible]

Attachments

No



Yes



No



Yes



No



Ye.



Acceptable Compensating Controls

Results Summary

The voting system fails to meet the requirements.

Final Test Status

FAIL

1st Review

Seane Lento

Printed name _____

2nd Review

T.B. 5140 P

Printed name

Supervisor Approval

John Gardner

Printed name

Signature

Signature

9/17/52
Date

Date _____

Signature

Signature

9-20-07
Date

Date _____


Signature

Signature

9/20/27
Date

Dat

Additional Observations and Findings

Observations:

Received a sufficient amount of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st ReviewSerrine Lovato

Printed name

Veronica Cantu

Signature

9/11/07

Date

2nd ReviewT. Bishop

Printed name

T. Bishop

Signature

9-20-07

Date

Supervisor ApprovalJohn Gardner

Printed name

[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

DB3-P3 - 315

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(d)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Provisional – ballots are flat- no score marks.	DB3-P3-315
		Test Date
		9/17/2007
		Test End Date/Time
		9/17/2007
		Test Type (D,E,B)
		Functional
		Eq Type
		CCOS
Cross Reference 1		Equipment Model
		M650
Cross Reference 2		Serial number
		N/A
Cross Reference 3		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Provisional testing.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing provisional voting.

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...

Attachments

No ☒ Yes ☐

Acceptable Compensating Controls

Final Test Status

FAIL

Supervisor Approval

John Gardner

Printed name

Signature _____ Date 9/20/07

Additional Observations and Findings

Observations:

Received a sufficient amount of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

2nd Review

Supervisor Approval

Jerome Louko

Printed name

T Bishop

Printed name

John Gardner

Printed name

Jerome Louko

Signature

9/17/07

Date

T Bishop

Signature

9.20.07

Date

[Signature]

Signature

9/20/07

Date

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Manufacturer: *ESS*

Application Date: *04/03/2007*

<i>Test Number</i>
DB3-P3 - 316

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(c)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Absentee – ballots are scored and folded to fit in standard Colorado Absentee Mailing Envelopes.	DB3-P3-316
		Test Date
		9/17/2007
		Test End Date/Time
		9/17/2007
Cross Reference 1		Test Type (D,E,B)
		Functional
		Eq Type
		CCOS
Cross Reference 2		Equipment Model
		M650
		Serial number
		N/A
Cross Reference 3		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Absentee testing.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing absentee voting.

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 Log

Attachments

No ☒ Yes ☐

Acceptable Compensating Controls

Results Summary

Final Test Status

The voting system fails to meet the requirements.

FAIL

1st Review

2nd Review

Supervisor Approval

John Gardner

Printed name

Signature 9/20/07
Date

Additional Observations and Findings

Observations:

Received a sufficient amount of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

Senora Loubo

Printed name

James A. Muts

Signature

9/17/07

Date

2nd Review

T. Bishop

Printed name

P. Bishop

Signature

9.20.07

Date

Supervisor Approval

John Gardner

Printed name

[Signature]

Signature

9/20/07

Date

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Holly Lowder
Director of Elections

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

Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

DB3-P3 - 317

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(b)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Early Voting – ballots are flat – no score marks.	DB3-P3-317
Cross Reference 1		Test Date
		9/17/2007
Cross Reference 2		Test End Date/Time
		9/17/2007
Cross Reference 3		Test Type (D,F,B)
		Functional
		Eq type
		CCOS
		Equipment Model
	M650	
	Serial number	
	N/A	
	Manufacturer	
	ES & S	

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Early Voting testing.

Variances Used During Testing:

N/A

Test Expected Outcome:

Voting system manufacturer provided a sufficient number of ballots for testing early voting

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.





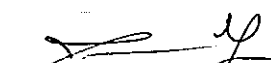
[illegible]

[illegible]

<i>Attachments</i>					
<i>Documents</i> (list all documents)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	
<i>Videos</i> (list all videos)	No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	
<i>Photos</i> (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 fails to meet the requirements.	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:

Received a sufficient amount of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

2nd Review

Supervisor Approval

Seane Lento
Printed name

T. Bishop
Printed name

John Gardner
Printed name

Seane Lento 9/17/07
Signature Date

T. Bishop 9-20-07
Signature Date

[Signature] 9/20/07
Signature Date

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Department of State
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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>
DB3-P3 - 318

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.7(b)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: Four separate decks of ballots shall be provided consisting of 25 ballots for each precinct/precinct split generated for each election that are folded (1500 minimum combined). At least one deck shall have the General Election data, and at least one shall have the Primary election data as indicated in the instructions for voting system providers;	DB3-P3-318
		Test Date
		7/25/2007
		Test End Date/Time
		8/23/2007
		Test Type (D,F,B)
		Functional
		Eq. Type
		CCOS
		Equipment Model
		M650
		Serial number
		1106 7477
		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions for voting system providers; DB3-P3-307.

Test Procedures:

Document the findings of the ballots received from the voting system provider and the ability to test the ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing General Election data and Primary Election Data.

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...

1st Review		2nd Review		Supervisor Approval	
<u>G Mathews</u>		<u>Michael L Chadwell</u>		<u>John Gardner</u>	
Printed name		Printed name		Printed name	
<u>[Signature]</u>	<u>8.23.07</u>	<u>Michael L Chadwell</u>	<u>9.12.07</u>	<u>[Signature]</u>	<u>9/15/07</u>
Signature	Date	Signature	Date	Signature	Date

Additional Observations and Findings

Observations:

Reference DB2-P3-204

Findings:

Unable to accurately test the General Election, ballots were not able to be certified.

1st Review

G Mathews

Printed name



Signature

8.23.07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

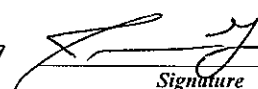
9.12.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/13/07

Date

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Holly Lowder
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Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

DB3-P3 - 319

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.3	Each voting system shall be tested and examined by conducting at least three mock elections which shall include voting scenarios that exist within a primary election, a coordinated election, and a recall election.	DB3-P3-319
		Test Date
		7/25/2007
		Test End Date/Time
		8/23/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
		Eq. Type
		CCOS
Cross Reference 2		Equipment Model
		M650
		Serial number
		1106 7477
Cross Reference 3		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that the voting system is capable of conducting coordinated, primary, and recall elections. Other tests will verify specific needs, but at a high level, confirm that these individual scenarios can be created.

Prerequisites:

Instructions for voting system providers; DB3-P3-307.

Test Procedures:

Document the findings of the ballots received from the voting system provider and the ability to test the ballots.

Variances Used During Testing:

N/A

Test Expected Outcome:

Voting system shall be able to conduct primary elections, coordinated elections and recall elections.

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]

[illegible]

Documents			Attachments			Photos		
Documents (list all documents)	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Videos (list all videos)	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Photos (list all photos)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>
Ref. DB2-P3-204			DB2-P3-307					

	Acceptable Compensating Controls	
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Results Summary	Final Test Status
The Vuforia system failed to meet the test requirements	✗

1st Review		2nd Review		Supervisor Approval	
G Mathews		Michael L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
					
Signature		Signature		Signature	
8.23.07		9.12.07		9/15/07	
Date		Date		Date	

Additional Observations and Findings

Observations:

Reference DB2-P3-204

Findings:

Unable to accurately test the General Election ballots were not able to be certified.

1st Review

G. Mathews
Printed name


Signature

2nd Review

Michael L. Chadwell
Printed name

8.23.07 Michael L. Chadwell
Date Signature

Supervisor Approval

John Guerrero
Printed name

 9/15/07
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: *ESS*

Application Date: *04/03/2007*

Test Number

DB3-P3 - 320

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
1-7-508(2)	Votes cast for an office to be filled or a ballot question or ballot issue to be decided shall not be counted if a voter marks more names than there are persons to be elected to an office or if for any reason it is impossible to determine the elector's choice of candidate or vote concerning the ballot question or ballot issue. A defective or an incomplete mark on any ballot in a proper place shall be counted if no other mark is on the ballot indicating an intention to vote for some other candidate or ballot question or ballot issue.	DB3-P3-320
		Test Date
		7/25/2007
		Test End Date/Time
		8/23/2007
		Test Type (D,F,B)
		Functional
		Eq. Type
		CCOS
		Equipment Model
		M650
		Serial number
		1106 7477
		Manufacturer
		ES & S
Cross Reference 1		
Cross Reference 2		
Cross Reference 3		

Purpose:

The purpose of this test is to verify that the system does not count overvoted ballots. Additionally, verification of information (or sorting) overvotes shall be provided by the device.

Prerequisites:

Instructions for voting system providers; DB3-P3-307.

Test Procedures:

Document the findings of the ballots received from the voting system provider and the ability to test the ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

The voting system shall not count overvoted ballots. All defective or incomplete marks in a proper place shall be counted if no other mark indicating voter intention is apparent.

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]

[illegible]

Additional Observations and Findings

Observations:

See log.

Findings:

Unable to test accurately due to multiple reading errors regarding the M450. See test DB3-P3-307 for errors and photos.

1st Review

G Mathews
Printed name

Signature

8-23-07
Date

2nd Review

Michael L. Crowder
Printed name

Signature

9-12-07
Date

Supervisor Approval

John GARNER
Printed name

Signature

9/13/07
Date

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



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Application Date: *04/03/2007*

Test Number

DB3-P3 - 321

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.2.1; 45.6.2.3.15	Demonstrate the ability to process ballots in batch or non-batch format. (Central Count Scanners only).	DB3-P3-321
Cross Reference 1		Test Date
		8/17/2007
Cross Reference 2		Test End Date/Time
		8/17/2007
Cross Reference 3		Test Type (D,F,B)
		Functional
		Eq. Type
		CCOS
		Equipment Model
	M650	
	Serial number	
	1106 7477	
	Manufacturer	
	ES & S	

Purpose:

The purpose of this test is to determine if central count machines will process ballots in either batch or non-batch format, or both and the conditions discovered surrounding each condition.

Prerequisites:

Instructions for voting system providers; DB3-P3-307.

Test Procedures:

Document the findings of the ballots received from the voting system provider and the ability to test the ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Central Count scanners will successfully process any deck of ballots in either batch or non-batch formats.

Test Log

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

[illegible]

Additional Observations and Findings

Observations:

See notes on DB3-P3-307 for additional information. The testing board was unable to complete this test due to the extreme number of errors experienced with the 650 scanner. The outcome is unable to be determined by the testing board.

Findings:

The voting system does not meet the test requirements.

1st Review

Printed name



Signature

9/20/07

Date

2nd Review

Denise Lantz

Printed name



Signature

9/20/07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/20/07

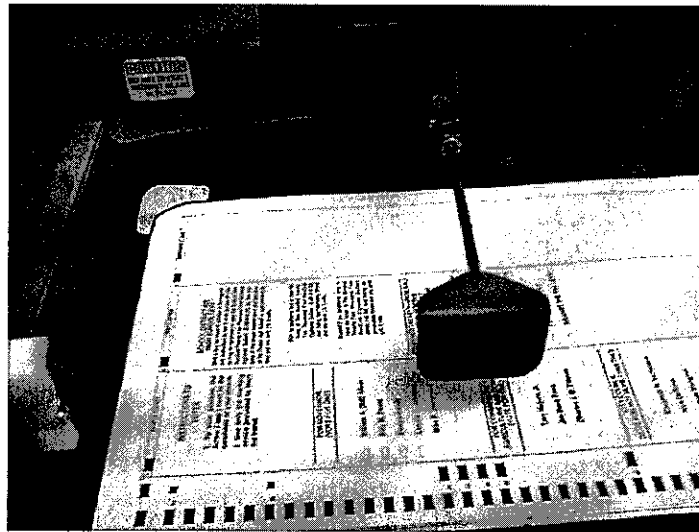
Date

Scanning the Ballots

You can scan ballots after all of the readiness checks are completed.

To scan the ballots

1. Push the input hopper tray down until it latches making sure to press down on the middle of the tray and not the edges.
2. “Jog” the ballots by gently shuffling them until the pages separate to reduce paper jams in the scanner.
3. Load the ballots face-up into the input hopper tray with the cut corners placed directly under the pick belt. Only one corner of each ballot is cut. When facing the front of a ballot, the cut corner is the upper-right corner. Lightly tap the ballots so that they are flush against the two metal sides of the input hopper.



4. Push the input hopper tray down until the latch releases, and then let the hopper rise.
5. Press **START** to begin scanning ballots.

The scanner will not save ballot information until it moves the ballot all the way through the read area and deposits it in the output hopper.

If the scanner stops, read the error message on the display screen and consult Appendix B, “Troubleshooting” to resolve the problem.

6. Press the **STOP** button to stop scanning if you need to stop the machine before the input hopper is empty. The number of ballots that the scanner has read in this batch shows in the bottom right-hand corner of the display screen.
7. Remove ballots from the output hopper when the hopper begins to fill and place the counted ballots in an appropriate location specified by local election procedures. **Separate the counted ballots from the uncounted ballots** so that you do not count ballots more than once.

Note: If you suspect that you have mixed counted and uncounted ballots, print a Precincts Processed Report (long format) and compare it to the ballot accounting form.

Using Headers

A header looks similar to a ballot, except that it has special marks in the code channel. Run headers to send special commands to the scanner. You can use some headers at anytime, while you can only use others if the election definition allows that option. The model 650 can use the following headers:

Print Control Header

This header disables, or enables report printing. You can use it with any election to toggle the print status of the scanner. The first time you scan the header the message, "Report Printing Disabled," will appear. None of the report buttons will function with the exception of the status report button. If you scan the print control header again, the message, "Report Printing Enabled" will appear and the report buttons will function again.

Precinct Identification Header

Use these headers to change the scanner's active precinct. For example, when you are finished scanning precinct 1, run the precinct 2 header and begin scanning ballots for precinct 2. Two types of election use precinct identification headers.

By Style:

The first type of election that uses precinct identification headers is a by style election. In a by style election, the scanner looks at the code channel on each ballot to identify the races and candidates on that ballot and uses the precinct identification header to identify the precinct in which the ballots are tabulated. A precinct identification header must be run before a ballot can be counted, and only ballot styles assigned to a specific header in the election definition will be counted after the header is run.

Mixed Mode with Headers:

The second type of election that uses precinct identification headers is a mixed mode election. For this type of election, election coders define the election for mixed mode, but you can switch it to header mode by scanning a precinct identification header. The scanner starts in mixed mode and will initially use the ballot code channel to identify the races, candidates and the precinct where it will assign results. When you run a precinct identification header through the scanner, it switches to header mode. Now, the scanner uses the code channel on the ballot to identify the races and candidates, but uses the precinct identification header to identify where it will assign results. In order to return to mixed mode after running a header, you must scan a precinct ballot header.

Precinct Ballot Header

Use the precinct ballot header to switch the scanner from header mode back to mixed mode. This header does not work in an election defined as by style.

Precinct Flush Header

Use this header to clear totals for an entire precinct. Appendix B contains specific methods for using these headers.

Volatile Flush Header

Use this header to zero the totals in volatile memory. Appendix B contains the specific method used to run this header.

Scanning Absentee Ballots

The model 650 uses three methods to scan absentee ballots. You can mix absentee ballots with regular precinct ballots, you can run them as duplicate absentee precincts or you can tabulate them as a separate group to be loaded into Election Reporting Manager.

Absentees Mixed with Regular Precinct Ballots

This method of counting absentee ballots combines the absentees with regular Election Day ballots. The scanner does not create a separate absentee count. You can run absentee ballots before, after, or intermixed with regular precinct ballots.

Duplicate Absentee Precincts

This method of counting absentee ballots requires that the election coder programs the election definition for two counters. The message "Option: Dual (Regular/Absentee) Precinct Counters," prints on the Ready Report if the definition is set up for two counters. In this scenario, the scanner keeps two separate counts for each precinct, one for absentee ballots and one for regular ballots. Use the following instructions to run duplicate precinct elections:

1. Load and test the election definition as described in Chapter 3, "Performing Pre-Election Day Tasks, and follow the instructions in the "Performing Final Readiness Checks" section of this Chapter.
2. Press the **ABSENTEE MODE** button. The absentee indicator light will go on and the message "Ready for Absentee Counting" will appear.
3. Scan the absentee ballots.
4. Print any reports you need by saving current totals, then pushing the appropriate report button.
5. Press the **ABSENTEE MODE** button again to disable the absentee mode. The message "Ready for Regular Counting" displays.
6. Scan the regular ballots and run any reports you require.

Note: All reports combine absentee and regular totals, unless you hold down the Enable button when pressing the desired report button. If you use the enable button while the absentee mode is on, reports will show results for "Absentee Ballots Only." If you use the enable button while the absentee mode is off, reports will show results for "Regular Ballots Only."

Absentees as a Separate Group

Absentee ballots can be scanned like regular ballots with results kept as a separate group. You can then combine the absentee results with the regular results in Election Reporting Manager or on the scanner.

1. Load and test the election definition as described in Chapter 3, "Performing Pre-Election Day Tasks, and do the final readiness steps as described above in the section "Performing Final Readiness Checks."
2. Scan the absentee ballots.
3. Press **SAVE** to save the results to the internal drive. Hold down the **ENABLE** button and press **SAVE** to transfer your totals to a zip disk. The message "Confirm Save Totals to Transfer Disk? Press Stop to Cancel, Start to Continue" appears. Press **START**. The message, "Totals copied to transfer disk" appears after the scanner copies the totals.

4. Remove the zip disk and label it "Absentee." Store the disk in a safe place and run any necessary reports.
5. Hold down **ENABLE** and press **ZERO TOTALS** to zero the totals on the scanner. The message "Confirm Zero Totals? Press Stop to Cancel, Start to Continue" appears. Press **START**. The message, "Ready for Regular Counting" appears after the scanner clears totals.
6. Scan the regular ballots and save the totals to a zip disk.
7. Use Election Reporting Manager software to combine the absentee totals on the zip disk with the regular totals after you have completed scanning the ballots. Consult the *Election Reporting Manager User's Guide* for more information on importing totals from the Model 650.

You can also use the scanner to combine the absentee totals with the regular totals. Insert the zip disk with absentee totals on it. Hold down the **ENABLE** button and press the **IMPORT RESULTS** button. A confirmation message appears after the scanner combines the absentee and regular totals.

Sorting Blank, Over-vote, Crossover and Write-in Ballots

The ballot scanner can sort blank, over-voted, crossover and write-in ballots from regular ballots. Be aware of your jurisdiction's rules for separating ballots before selecting a sort option.

The scanner does not tabulate blank, over-vote, and crossover ballots when they are sorted. The scanner will only tabulate sorted write-in ballots if the election definition contains the option to tabulate write-ins. The scanner lists this option on the ready report, which prints automatically when you start the scanner.

To select a sort option

1. Press the **BLANK**, **OVER-VOTE**, or **WRITE-IN** buttons in the **SORT** section of the control panel to sort those ballots. Press the **SPECIAL** button to sort crossovers. You may select any or all of the sort buttons.

An indicator light will turn on next to the selected sort options. When a scanned ballot meets the selected sort criteria, the scanner stops and a message appears describing the type of ballot sorted.

2. Remove the top ballot from the output hopper and place it in an area you have designated for sorted ballots.

Saving Totals

You can save election data to the internal drive and to a zip disk. ES&S recommends that you save to the internal drive frequently as this prevents losing data if the scanner loses power or is turned off. Save to the zip disk as often as necessary to back-up results. Use the zip disk to transfer election results to Election Reporting Manager and to archive your results.



Caution: Do not reuse the election definition disk to store election data. Use blank zip disks instead so that results data is not corrupted. The election definition will remain on the machine until a new election definition is loaded.

To save results to the internal drive

Press **SAVE** to transfer vote totals from volatile memory to the internal drive. A confirmation message indicating the number of ballots scanned, saved and sorted appears after the scanner saves the data and then clears volatile memory.

Note: Results saved to the internal drive will be stored there until you zero the totals or flush a precinct.

To save results to a zip disk

1. Insert a blank formatted disk into the zip drive.



Caution: Do not reuse the election definition disk to store election data. Use blank zip disks instead so that results data is not corrupted. Zip Disks must be formatted with a FAT16 file system.

2. Hold down the **ENABLE** button and press **SAVE** to save from the internal drive to the zip disk. The message "Confirm Save Totals to Transfer Disk? Press Stop to Cancel, Start to Continue" appears. Press **START**. The message, "Totals copied to transfer disk" appears after the scanner copies the totals.

Note: If you have not saved election data to the internal drive, a message indicating that tabulation is in progress will appear. You need to save vote counts to the internal drive before saving them to a zip disk. Press **SAVE**, and then repeat step two to store election results on the zip disk.

3. Remove the disk and label it with the date, time, election title, disk number and scanner number.

Printing Results Reports

There are five ballot tabulation reports that can be generated directly from the ballot scanner – the Grand Totals Report, the Precincts Processed Report, the Precincts not Processed Report, the Totals by Precinct Report and the Last Precinct Report. You can use any of these reports to provide vote summary information to candidates and the media. For descriptions and samples of these reports, see Appendix A, “Understanding the Reports.”

To print reports

1. Press **FORMAT** in the REPORTS area of the control panel, to select either short or long format.
2. Press the button for the report that you want to print.

If you have scanned ballots but not saved to the internal drive, the message “Tabulation in Progress Press SAVE” appears. Press **SAVE**, and then press the appropriate report button to print the report.

3. To stop printing a report, press and hold **STOP**. The message, “Operator Halting Report Printing” appears. The scanner cancels any portion of the report that has not yet spooled to the printer.

Note: Wait for the READY indicator light to appear before printing additional reports.

Adding Totals to the Scanner from a Disk

You can reload the scanner with the last totals saved to disk if you need to restart counting from zero, if you mistakenly zero the totals on a scanner, if you are adding previously scanned absentees, or if you are adding totals from another scanner.

To add vote counts to the scanner

1. Insert a zip disk with previously saved totals into the disk drive.
2. Hold down the **ENABLE** button and press **IMPORT RESULTS**. The message “Confirm: Add Totals from Transfer Disk? Press Stop to Cancel, Start to Continue” appears. Press **START**. The message “Totals from Transfer Disk added to System” appears.

The Ready indicator light will appear after the scanner has imported all totals.

3. Remove the disk from the scanner.

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Department of State
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Suite 250
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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

DB4-P3 - 401

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.5	Election scenarios shall feature at least 10 districts (or district types), comprised of at least 20 precincts that will result in a minimum of 5 unique ballot styles or combinations as indicated in the instructions to providers.	DB4-P3-401
		Test Date
		7/25/2007
		Test End Date/Time
		7/25/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
		Eq Type
Cross Reference 2		Software
		Equipment Model
		Unity
Cross Reference 3		Serial number
		N/A
		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that the system can handle ballots with multiple districts, multiple precincts and multiple ballot styles. Minimum requirements are listed in the requirement.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for testing as required.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system is able to produce at least 5 unique ballot styles with a minimum of 10 districts and 20 precincts.

Additional Observations and Findings

Observations:

Ballots and programming was presented as required; however see notes on DB3-P3-307, and DB2-P3-201. The testing board was unable to conduct testing with the decks ESS 1CA, and ESS 1CO due to errors with the programming to make a complete determination on the outcome of this test.

Findings:

The voting system does not meet the test requirements.

1st Review

Sherene Winters
Printed name

Sherene C. Winters
Signature

9/20/07
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

7-25-07 Test # DB4-P3-401
Photo #1

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RUN DATE:07-25-07 10:29 AM

Colorado Cert 57
HARDWARE PROGRAMMING MANAGER
DISTRICT LISTING

DISTRICT:19S ENAT NUMBER OF PRECS:13

PRECINCTS:	1 1320130001	2 2162530001	3 2162930001
	4 2192930001	5 2192930010	6 2192930002
	7 2232930001	8 6162530001	9 6162530001
	10 6222230001	14 6222830011	15 7162330001
	20 7222230001		

DISTRICT:23S ENAT NUMBER OF PRECS:6

PRECINCTS:	11 6222230003	12 6222530001	13 6222830001
	16 7192430001	17 7192730019	18 7202330001

DISTRICT:25H OUSE NUMBER OF PRECS:12

PRECINCTS:	1 1320130001	2 2162530001	3 2162930001
	6 2192930022	7 2232930001	8 6162530001
	11 6222230003	12 6222530001	13 6222830001
	16 7192430001	17 7192730019	18 7202330001

DISTRICT:CDI ST1 NUMBER OF PRECS:14

PRECINCTS:	1 1320130001	2 2162530001	3 2162930001
	4 2192930001	5 2192930010	6 2192930002
	7 2232930001	8 6162530001	9 6162530001
	11 6222230003	12 6222530001	13 6222830001
	16 7192430001	17 7192730019	

DISTRICT:CDI ST2 NUMBER OF PRECS:9

PRECINCTS:	5 2192930010	9 6162530010	10 6222230001
	13 6222830010	14 6222830011	15 7162330001
	17 7192730019	18 7202330002	19 7212230001

DISTRICT:CNT YQUE NUMBER OF PRECS:19

PRECINCTS:	1 1320130001	2 2162530001	3 2162930001
	4 2192930001	5 2192930010	6 2192930002
	7 2232930001	8 6162530001	9 6162530001
	10 6222230001	11 6222230003	12 6222530001
	13 6222830010	14 6222830011	15 7162330001
	16 7192430001	17 7192730019	18 7202330001
	19 7212230008		

1

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Photo #1 (cont)

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File Edit View Search

RUN DATE:07-25-87 10:29 AM

Colorado Cert 57
HARDWARE PROGRAMMING MANAGER
DISTRICT LISTING

DISTRICT:GOL DEN

PRECINCTS: 11 6222230003 12 6222530001 13 6222830001
16 7192430001 17 7192730019 18 7202330000

NUMBER OF PRECS:6

DISTRICT:HOU SE29

PRECINCTS: 4 2192930001 5 2192930010 9 6162530001
10 6222230001 14 6222830011 15 7162330000
19 7212230008 20 7222230001

NUMBER OF PRECS:8

DISTRICT:LAK EWOO

PRECINCTS: 9 6162530010 10 6222230001 13 6222830001
14 6222830011 15 7162330001 19 7212230000

NUMBER OF PRECS:6

DISTRICT:LOO KOUT

PRECINCTS: 1 1320130001 2 2162530001 6 2192930002
7 2232930001 8 6162530001 9 6162530001
11 6222230003 12 6222530001 13 6222830001
14 6222830011

NUMBER OF PRECS:10

DISTRICT:RID IST

PRECINCTS: 1 1320130001 2 2162530001 3 2162930000
6 2192930022 7 2232930001 8 6162530000
11 6222230003 12 6222530001 13 6222830001
16 7192430001 17 7192730019 18 7202330000
19 7212230008

NUMBER OF PRECS:13

TOTAL NUMBER OF DISTRICTS IS 12

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Photo #2

7-25-07

Test # DB4 - P3 - 401

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View Search

Colorado Cert 57
HARDWARE PROGRAMMING MANAGER
PRECINCT/BALLOT STYLE LISTING

ELECTION ID: COO
REPORT-EL18

Precinct	Style	Party	Districts/Security Mask:NNNNNNNN SSSSSSSS
0001 1320130001	1		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0002 2162530001	2		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	3		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
0003 2162930001	4		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0004 2192930001	5		COU-NTY 19S-ENAT HOU-SE29 CDI-ST1 CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0005 2192930010	6		COU-NTY 19S-ENAT HOU-SE29 CDI-ST1 CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	7		COU-NTY 19S-ENAT HOU-SE29 CDI-ST2 CNT-YQUE LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
0006 2192930022	8		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0007 2232930001	9		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0008 6162530001	10		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	11		COU-NTY 19S-ENAT 25H-OUSE CDI-ST1 CNT-YQUE LOO-KOUT LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
0009 6162530010	12		COU-NTY 19S-ENAT HOU-SE29 CDI-ST1 CNT-YQUE LOO-KOUT LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	13		COU-NTY 19S-ENAT HOU-SE29 CDI-ST2 CNT-YQUE LAK-EWOO LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
0010 6222230001	14		COU-NTY 19S-ENAT HOU-SE29 CDI-ST2 CNT-YQUE LAK-EWOO LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
6222230003	15		COU-NTY 23S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LOO-KOUT LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0012 6222530001	16		COU-NTY 23S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE LOO-KOUT

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Photo #2 (cont)

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View Search

RUN DATE:07-25-07 10:39 AM

Colorado Cert 57
HARDWARE PROGRAMMING MANAGER
PRECINCT/BALLOT STYLE LISTING

ELECTION ID: COO
REPORT-EL18

PRECINCT	STYLE	PARTY	DISTRICTS/SECURITY	MASK:NNNNNNNN SSSSSSSS
0013 6222830010	20		COU-NIV 23S-ENAT 25H-OUSE CDI-ST1 CNT-YQUE LOO-KOUT	LEFT:00 01 001 RIGHT:00 03 003 EMBEDDED:00000
	21		COU-NIV 23S-ENAT 25H-OUSE CDI-ST2 CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 04 004 EMBEDDED:00000
	22		COU-NIV 23S-ENAT 25H-OUSE CDI-ST2 CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 05 005 EMBEDDED:00000
	23		COU-NIV 23S-ENAT 25H-OUSE CDI-ST2 CNT-YQUE GOL-DEN	LEFT:00 01 001 RIGHT:00 06 006 EMBEDDED:00000
	24		COU-NIV 23S-ENAT 25H-OUSE CDI-ST2 R1D-IST CNT-YQUE	LEFT:00 01 001 RIGHT:00 07 007 EMBEDDED:00000
	25		COU-NIV 23S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE	LEFT:00 01 001 RIGHT:00 08 008 EMBEDDED:00000
0014 6222830011	26		COU-NIV 19S-ENAT HOU-SE29 CDI-ST2 CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	27		COU-NIV 19S-ENAT HOU-SE29 CDI-ST2 CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
0015 7162330001	28		COU-NIV 19S-ENAT HOU-SE29 CDI-ST2 CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0016 7192430001	29		COU-NIV 23S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0017 7192730019	30		COU-NIV 23S-ENAT 25H-OUSE CDI-ST1 R1D-IST CNT-YQUE	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	31		COU-NIV 23S-ENAT 25H-OUSE CDI-ST2 R1D-IST CNT-YQUE	LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
7202330002	32		COU-NIV 23S-ENAT 25H-OUSE CDI-ST2 R1D-IST CNT-YQUE	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
0019 7212230008	33		COU-NIV HOU-SE29 CDI-ST2 R1D-IST CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000
	34		COU-NIV HOU-SE29 CDI-ST2 CNT-YQUE LAK-EWOO	LEFT:00 01 001 RIGHT:00 02 002 EMBEDDED:00000
0020 7222230001	35		COU-NIV 19S-ENAT HOU-SE29	LEFT:00 01 001 RIGHT:00 01 001 EMBEDDED:00000

Page 2

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

DB4-P3 - 402

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(d)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Provisional – ballots are flat- no score marks.	DB4-P3 -402
Cross Reference 1		Test Date
		9/17/2007
Cross Reference 2		Test End Date/Time
		9/17/2007
Cross Reference 3		Test Type (D,E,B)
		Functional
		Eq Type
		Software
		Equipment Model
	Unity	
	Serial number	
	N/A	
	Manufacturer	
	ES & S	

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Provisional testing.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing provisional voting.

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]

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>
The voting system fails to meet the requirement.	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:

Received a sufficient number of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

Jerome Loucks

Printed name

Jerome Loucks

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

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*

<i>Test Number</i>
DB4-P3 - 403

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Rule or Statute 1-7-508(2)	2007-CDOS-ESS-001-0403	Test Number DB4-P3-403
	Votes cast for an office to be filled or a ballot question or ballot issue to be decided shall not be counted if a voter marks more names than there are persons to be elected to an office or if for any reason it is impossible to determine the elector's choice of candidate or vote concerning the ballot question or ballot issue. A defective or an incomplete mark on any ballot in a proper place shall be counted if no other mark is on the ballot indicating an intention to vote for some other candidate or ballot question or ballot issue.	Test Date
Cross Reference 1		
Cross Reference 2		Test End Date/Time
Cross Reference 3		
		Test Type (D,F,B) Functional
		Eq Type Software
		Equipment Model Unity
		Serial number N/A
		Manufacturer ES & S

Test Procedure Specification	
<u>Purpose:</u> <p>The Purpose of this test is to:</p>	<u>Prerequisites:</u> <p>N/A</p>
<u>Test Procedures:</u> <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>N/A</p>	<u>Variances Used During Testing:</u> <p>These items are not applicable to this test case.</p>

Test Expected Outcome:
The voting system shall not count overvoted ballots. All defective or incomplete marks in a proper place shall be counted if no other mark indicating voter intention is apparent.

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]

Additional Observations and Findings

Observations:

N/A

Findings:

Software is not a voting device - not applicable

1st Review

G Mathews

Printed name



Signature

8.17.07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

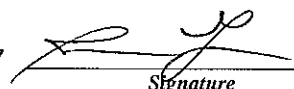
9.14.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

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>
DB4-P3 - 404

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(a)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Poll Place or Vote Center - ballots are flat – no score marks.	DB4-P3 -404
		Test Date
		9/17/2007
		Test End Date/Time
		9/17/2007
Cross Reference 1		Test Type (D,E,B)
		Functional
		Eq Type
		Software
Cross Reference 2		Equipment Model
		Unity
		Serial number
		N/A
Cross Reference 3		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Poll Place or Vote Center testing.

Variances Used During Testing:

N/A

Test Expected Outcome:

Voting system manufacturer provided a sufficient number of ballots for testing poll place or vote center.

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..

Additional Observations and Findings

Observations:

Received a sufficient number of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

Serome Louito
Printed name

Serome Louito 9/17/07
Signature Date

2nd Review

T. B. S. HOP
Printed name

T. B. S. HOP 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: *ESS*

Application Date: *04/03/2007*

<i>Test Number</i>
DB4-P3 - 405

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.3	Each voting system shall be tested and examined by conducting at least three mock elections which shall include voting scenarios that exist within a primary election, a coordinated election, and a recall election.	DB4-P3-405
		Test Date
		9/6/2007
		Test End Date/Time
		9/7/2007
		Test Type (D,F,B)
		Functional
		Eq Type
		Software
		Equipment Model
Cross Reference 1		Unity
		Serial number
		N/A
Cross Reference 2		Manufacturer
		ES & S
Cross Reference 3		

Purpose:

The purpose of this test is to verify that the voting system is capable of conducting coordinated, primary, and recall elections. Other tests will verify specific needs, but at a high level, confirm that these individual scenarios can be created.

Prerequisites:

~~BE4-P3-407~~
DB3-P3-307 elad

Test Procedures:

DB3-P3-307
See instructions from ~~BE4-P3-407~~. Document findings of telecommunications for device.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system shall be able to conduct primary elections, coordinated elections and recall elections.

[illegible]

[illegible]

Additional Observations and Findings

Observations:

DB3-P3-307
See findings on ~~BE4-P3-407~~. Without successfully passing the prerequisite test, the voting device cannot meet this requirement.

Multiple devices / election scenarios failed in the course of the ~~ABSON~~ ~~tested~~ testing (DB3-P3-307), ie. M450, M460, AccuMark, Coopers, Recon...

Findings:

The voting system fails to meet the requirements.

1st Review

Geneice Mathews

Printed name


Signature

9-10-07
Date

2nd Review

Michael L. Chadwell

Printed name


Signature

9.14.07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/15/07
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>
DB4-P3 - 406

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.6(b)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Early Voting – ballots are flat – no score marks.	DB4-P3 -406
		<i>Test Date</i>
		9/17/2007
		<i>Test End Date/Time</i>
		9/17/2007
<i>Cross Reference 1</i>		<i>Test Type (D,F,B)</i>
		Functional
		<i>Eq Type</i>
		Software
<i>Cross Reference 2</i>		<i>Equipment Model</i>
		Unity
		<i>Serial number</i>
		N/A
<i>Cross Reference 3</i>		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Early Voting testing.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing early voting

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:

Received a sufficient number of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

2nd Review

Supervisor Approval

Sevone Louto

Printed name

T. Bishop

Printed name

John Gardner

Printed name

Sevone Louto

Signature

9/17/07

Date

T. Bishop

Signature

9/20/07

Date

John Gardner

Signature

9/20/07

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

DB4-P3 - 407

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(c)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Absentee – ballots are scored and folded to fit in standard Colorado Absentee Mailing Envelopes.	DB4-P3 -407
		Test Date
		9/17/2007
		Test End Date/Time
		9/17/2007
Cross Reference 1		Test Type (D/F/B)
		Functional
		Eq Type
Cross Reference 2		Software
		Equipment Model
		Unity
Cross Reference 3		Serial number
		N/A
		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that ballots are provided by the voting system vendor in the manner requested in the requirements. Testing on the machines cannot begin until receipt of ballots in these quantities and types are verified.

Prerequisites:

Instructions to voting system vendor.

Test Procedures:

Verify that the vendor provided a sufficient number of ballots for Absentee testing.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing absentee voting.

[illegible]

Additional Observations and Findings

Observations:

Received a sufficient number of ballots for the Primary and Recall elections, but not for the General election.

Findings:

The vendor did not provide the ballots required to complete this test.

1st Review

Sevone Lando

Printed name

James L. Lando

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

Melanie Stuart

From: John Gardner
Sent: Monday, August 06, 2007 7:51 PM
To: Melanie Stuart; Tara Salas
Subject: FW: Certification
Follow Up Flag: Follow up
Flag Status: Yellow
Attachments: WinZip Compressed Attachments.zip; About WinZip Compressed Attachments.txt

Melanie/Tara these need to go into the ESS Binder(s) for functional testing. I would use a DB test.

Thanks,
John G.

From: Geneice Mathews
Sent: Monday, August 06, 2007 10:58 AM
To: 'Flowers, Darwin'; 'Pearson, Steve'
Cc: John Gardner
Subject: RE: Certification

Darwin,

Here are the pictures of the ballots for the Coordinated as requested. I think we fixed the coding on the 4a question as that was set to a 6,8 positioning and as you can see the contest is at the bottom in the 60's positioning. The only other issue is the non-readable error we receive from question 1d.

Thank you,

Geneice

From: Flowers, Darwin [mailto:dflores@essvote.com]
Sent: Monday, August 06, 2007 8:26 AM
To: Geneice Mathews; Pearson, Steve
Cc: John Gardner
Subject: RE: Certification

Geneice,

I am back in the office this morning. I will look into having a technician sent out to look at the 650 to determine what the issue is with it. I will give you a call as you requested at 10 MST today. I will also put in an order for more M100 paper to be sent. Are there any other supplies that are needed? I will hold on to that order until late afternoon to make sure there is nothing else that you need to add to it. If you would, please check that you still have enough paper for the RTAL, iVotronic printer, and other devices.

Thanks,

Darwin W. Flowers
State Certification Manager
Election Systems & Software, Inc.
402-970-1129
800-247-8683

8/7/2007

Fax:402-970-1275

View a Flash demonstration featuring the *intElect Electronic PollBook* delivered through the PS100:

<http://www.essvote.com/HTML/products/intElect.html>.

From: Geneice Mathews [mailto:Geneice.Mathews@SOS.STATE.CO.US]

Sent: Monday, August 06, 2007 8:57 AM

To: Flowers, Darwin; Pearson, Steve

Cc: John Gardner

Subject: Certification

Darwin, Steve,

We are coming along well with the certification process, but as John has told you we are having a few issues. First and foremost we are unable to test the M650 as it is right now. For every 5 ballots read it outstacks about every 3 and sometimes more. This is just not acceptable for our testing. I have gone through the manuals provided and cleaned the machine as documented. This has not fixed the problem. I think it would be best to have a technician onsite to look at the machine. We are also unable to run the Coordinated election on the M100, we receive multiple mismatch errors among other errors. Darwin, maybe you could give us a call this morning to help us fix the Coordinated? It would be best to ring John's phone, shall we say 10 MST?

We will also need more m100 paper, we have 3 rolls left and still need to test the Coordinated election. I would say an additional 12 rolls should get us through the testing.

Thank you,

Geneice

Geneice Mathews
Voting Systems Technician
Colorado Department of State
1700 Broadway, Ste 270
Denver, CO 80290
Office: 303-860-6924
Fax: 303-869-4861

8/7/2007

COORDINATED ELECTION
CERTIFICATION BALLOT
PRECINCT 10010001

INSTRUCTIONS

1. To vote, mark your ballot by filling in the circle next to the name of the candidate or measure you wish to vote for.

2. A ballot marked in this manner is valid.

3. Do not mark your ballot in any other manner.

4. If you have a question, ask the poll worker.

5. If you are unable to vote, you may request a ballot by mail.

6. If you are unable to vote, you may request a ballot by mail.

7. If you are unable to vote, you may request a ballot by mail.

8. If you are unable to vote, you may request a ballot by mail.

9. If you are unable to vote, you may request a ballot by mail.

10. If you are unable to vote, you may request a ballot by mail.

STATE HOUSE OF REPRESENTATIVES
DISTRICT 10

FRANKLIN E. GIBBS
DEMOCRAT

DAVID R. HOGAN
REPUBLICAN

COUNTY COMMISSIONER
DISTRICT 1

JOHN M. JAMES
DEMOCRAT

PETE LOUIS
REPUBLICAN

KEN SALAZAR
DEMOCRAT

FRANKLIN E. GIBBS
DEMOCRAT

DAVID R. HOGAN
REPUBLICAN

JOHN M. JAMES
DEMOCRAT

PETE LOUIS
REPUBLICAN

KEN SALAZAR
DEMOCRAT

FRANKLIN E. GIBBS
DEMOCRAT

DAVID R. HOGAN
REPUBLICAN

JOHN M. JAMES
DEMOCRAT

PETE LOUIS
REPUBLICAN

KEN SALAZAR
DEMOCRAT

FRANKLIN E. GIBBS
DEMOCRAT

DAVID R. HOGAN
REPUBLICAN

JOHN M. JAMES
DEMOCRAT

PETE LOUIS
REPUBLICAN

KEN SALAZAR
DEMOCRAT

FRANKLIN E. GIBBS
DEMOCRAT

DAVID R. HOGAN
REPUBLICAN

JOHN M. JAMES
DEMOCRAT

PETE LOUIS
REPUBLICAN

KEN SALAZAR
DEMOCRAT

FRANKLIN E. GIBBS
DEMOCRAT

DAVID R. HOGAN
REPUBLICAN

JOHN M. JAMES
DEMOCRAT

County Question 1c

SHALL THE COUNTY BE PERMITTED TO ENROLL IN THE STATE HOUSE OF REPRESENTATIVES DISTRICT 10 FOR THE YEAR 2010?

YES

NO

County Question 1d

Should the County Board be authorized to issue bonds for the purpose of financing the construction of a new high school in the County?

YES

NO

County Question 1e

SHALL THE COUNTY BE PERMITTED TO ENROLL IN THE STATE HOUSE OF REPRESENTATIVES DISTRICT 10 FOR THE YEAR 2010?

YES

NO

County Question 1f

Should the County Board be authorized to issue bonds for the purpose of financing the construction of a new high school in the County?

YES

NO

School District 10 Question 1a

SHALL THE COUNTY BE PERMITTED TO ENROLL IN THE STATE HOUSE OF REPRESENTATIVES DISTRICT 10 FOR THE YEAR 2010?

YES

NO

School District 10 Question 1b

Should the County Board be authorized to issue bonds for the purpose of financing the construction of a new high school in the County?

YES

NO

School District 10 Question 1c

SHALL THE COUNTY BE PERMITTED TO ENROLL IN THE STATE HOUSE OF REPRESENTATIVES DISTRICT 10 FOR THE YEAR 2010?

YES

NO

School District 10 Question 1d

Should the County Board be authorized to issue bonds for the purpose of financing the construction of a new high school in the County?

YES

NO

County Question 1g

Should the County Board be authorized to issue bonds for the purpose of financing the construction of a new high school in the County?

YES

NO

Legend Page 9 of 10

THESE ARE THE RESULTS OF A STUDY
CONDUCTED BY AN INDEPENDENT RESEARCH
FIRM FOR THE U.S. ENVIRONMENTAL PROTECTION
AGENCY. THE REPORT IS AVAILABLE FROM THE
U.S. GOVERNMENT PRINTING OFFICE.

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OR CALL TOLL FREE 800-647-9000.

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1998年12月12日

1. The first step is to identify the problem. In this case, the problem is that the water is not flowing properly.

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455 FIFTH AVENUE
NEW YORK 17, N.Y.

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 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660
 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690
 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720
 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750
 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780
 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810
 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840
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 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900
 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930
 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960
 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990
 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-19-2007 BY 60322 UCBAW/BJS
REASON: FOIA b 7 - C
AUTHORITY: 5 U.S.C. 552

[illegible]

1999

Melanie Stuart

From: John Gardner
Sent: Monday, August 06, 2007 7:19 PM
To: Melanie Stuart; Tara Salas
Subject: FW: Certification

Follow Up Flag: Follow up
Flag Status: Yellow

For ESS Binder - functional test - db.

Thanks,
John G.

-----Original Message-----

From: Geneice Mathews
Sent: Monday, August 06, 2007 6:35 PM
To: 'Flowers, Darwin'
Cc: Pearson, Steve; John Gardner
Subject: RE: Certification

Darwin,

Could you send me a list of passwords for the ivotronic? I can remember most of them, but a list would be very helpful. I really need the override password in particular.

Thank you,

Geneice

-----Original Message-----

From: Flowers, Darwin [mailto:dflowers@essvote.com]
Sent: Monday, August 06, 2007 8:55 AM
To: John Gardner; Geneice Mathews; Pearson, Steve; Melanie Stuart
Subject: RE: Certification

John,

I will check into that and provide you with an answer ASAP.

Darwin W. Flowers
State Certification Manager
Election Systems & Software, Inc.
402-970-1129
800-247-8683
Fax: 402-970-1275

View a Flash demonstration featuring the intElect Electronic PollBook delivered through the PS100:

<<http://www.essvote.com/HTML/products/intElect.html>>.

-----Original Message-----

From: John Gardner [mailto:john.gardner@sos.state.co.us]
Sent: Monday, August 06, 2007 9:40 AM
To: Flowers, Darwin; Geneice Mathews; Pearson, Steve; Melanie Stuart
Subject: Re: Certification

Darwin, is it necessary to have all variations of the iVotronic tested? Two button, three button, etc.?

We would like to keep the list to only the models currently used in Colorado.

Please let us know.

Thanks,
John G.

Sent via out of office e-mail response.

-----Original Message-----

From: "Flowers, Darwin" <dflowers@essvote.com>

Date: Mon, 6 Aug 2007 09:25:39

To: "Geneice Mathews" <Geneice.Mathews@SOS.STATE.CO.US>, "Pearson, Steve"
<smpearson@essvote.com>

Cc: "John Gardner" <john.gardner@SOS.STATE.CO.US>

Subject: RE: Certification

Geneice,

I am back in the office this morning. I will look into having a technician sent out to look at the 650 to determine what the issue is with it. I will give you a call as you requested at 10 MST today. I will also put in an order for more M100 paper to be sent. Are there any other supplies that are needed? I will hold on to that order until late afternoon to make sure there is nothing else that you need to add to it. If you would, please check that you still have enough paper for the RTAL, iVotronic printer, and other devices.

Thanks,

Darwin W. Flowers
State Certification Manager
Election Systems & Software, Inc.
402-970-1129
800-247-8683
Fax: 402-970-1275

View a Flash demonstration featuring the intElect Electronic PollBook delivered through the PS100:

< <<http://www.essvote.com/HTML/products/intElect.html>>
<http://www.essvote.com/HTML/products/intElect.html>>.

From: Geneice Mathews [mailto:Geneice.Mathews@SOS.STATE.CO.US]

Sent: Monday, August 06, 2007 8:57 AM

To: Flowers, Darwin; Pearson, Steve

Cc: John Gardner

Subject: Certification

Darwin, Steve,

We are coming along well with the certification process, but as John has told you we are having a few issues. First and foremost we are unable to test the M650 as it is right now. For every 5 ballots read it outstacks about every 3 and sometimes more. This is just not acceptable for our testing. I have gone through the manuals provided and cleaned the machine as documented. This has not fixed the problem. I think it would be best to have a technician onsite to look at the machine. We are also unable to run the Coordinated election on the M100, we receive multiple mismatch errors among other errors.

Darwin, maybe you could give us a call this morning to help us fix the Coordinated? It would be best to ring John's phone, shall we say 10 MST?

We will also need more m100 paper, we have 3 rolls left and still need to test the Coordinated election. I would say an additional 12 rolls should get us through the testing.

Thank you,

Geneice

Geneice Mathews
Voting Systems Technician
Colorado Department of State
1700 Broadway, Ste 270
Denver, CO 80290
Office: 303-860-6924
Fax: 303-869-4861

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

DB7-P3 - 701

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.10(b)	Ballots shall be cast and counted in all applicable counter types (or counter groups) as necessary based on the parts included in the voting system. These are at a minimum: Poll Place (or Vote Center), Absentee, Provisional, and Early Voting. Ballots may be run through components 10 or more times depending on components and counter group being tested to achieve a minimum number of ballots cast as follows for each group: Polling Place / DRE 500.	DB7-P3-701
		Test Date
		9/1/2007
		Test End Date/Time
		9/4/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
		Eq Type
Cross Reference 2		Amark
		Equipment Model
		Automark
Cross Reference 3		Serial number
		AMO206450782
		Manufacturer
		ES & S

Purpose:

The purpose of this test is to document the outcome and any measurements of processing 500 ballots through a DRE designated for a polling place.

Prerequisites:

DB7-P3-710

Test Procedures:

Use test setup and programming from DB7-P3-710.
Document findings of using the system.

Variances Used During Testing:

N/A

Test Expected Outcome

Scanners will process ballots accurately and efficiently regardless of ballot fatigue. DRE's used for polling places will count at least 500 ballots.

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 701
Test Log				
Date	Time	Operator	Activities and Entries	Incident Reports
			Procedure for AIMS	
8-28-07		EM	① Log on - pw is Administrator	
Serial #			② Election Selection tool opens, you will	
AMO 2064	50782		see all elections in there that were	
			imported (these are what I have tried to do, but could not	
			③ Create New Election - following documentation	
			"Automark Election Officials Guide" Create a New	
			election then proceed with instructions in	
			Section 5, pg 33	
			④ Go to Election option select "New"	
			as shown in documentation,	
			enter election title, authority, date and	
			election type, ballot type, audio location	
			I enter PRIO7, Colorado SOS, 8/28/07, Closed	
			Primary, ESS M100 14" 36 Rows, Audio files	
			located in Audio folder called "Primary Audio"	
			- Leave it as a blank database as this is	
			what I originally was setup with. Select	
			Create New Election Database - select okay	
			Aims Wizard appears - read documentation	
			page 36 + 37	
			- go to step 2 select do this step now	
			am referencing section 7 in documentation	
			to complete this step. Do not change any	
			settings close out. proceed to AIMS wizard	
			#3 Go to tools select Setup Wizard, checks	
			Completed for #2 in wizard, bar turns green,	
			Select "Do this step now" for #3 am not	
			adding languages therefore I close - documentation	
			says to check Chapter 7	
			Go back into wizard (Tools / Setup Wizard)	
			check off #3 as completed.	
			Go to step 4 import vendor election data.	
			documentation on page 37 says to review	
			Chapter 5 for this section. Page 38 → Page	
			46 discusses import for the Unity program.	
			- Select add AIS files - they are found in	
			C:\Unity\EDM\PRIMCO07\PRIMCO07*.ais	
			Select open, in AIS window there are two	
			files: Paperdem.edf / Ecppaper.edf	
			- Select Import / data will be removed, continue -	

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 701
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.				
Date	Time	Operator	Activities and Entries	Incident Report
			Go to Tools / Setup Wizard. #13 select Do this step now - Create a folder for Exporting - call it 'Export for primary' review section/chapter 14 for more information on this number. page 158.	
			Select "Export missing text translation and "Export missing audio files" and "Request audio files for all translations".	
			Receive (i) 'No election translations needed at the moment'. Select OK / Done - OK	
			Go to Tools / Setup Wizard - select complete for #13. Go to #14 and select Do this step. Documentation says to look at chapter 15. Do not copy any files over due to not having any. to copy.	
			Following directions in documentation to copy data dictionary info page 167. Select Election / Import / AIMS Election data.	
			- Do not have an election that has this info... clearing out this section. (Elections that exist are from what IS created that do not work)	
			- Go back into tools wizard and check off #14 Go to Step 15 & select 'Do it now'. this opens Data Dictionary Text to Phonetic. Reference page 169 chapter 16. Cannot listen or test phonetics since we did not receive the correct dell drivers with the sound card for this machine. Go back to tools Wizard check #15 is complete	
			- Go to #16 - Validate election data select Do this step now (documentation says to see chapter 14 for more info). Go to page 161, 14.5 Validating Data Prior to Exporting receive AIMS Election Manager question "List of errors may need refreshing. Run validation?" Select YES	
			Errors are "Some Races Need Review" highlight this and select "View....."	
			The errors are blank headers.	
			Select the first race and select View	Continue to next page...

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 701
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.				
Date	Time	Operator	Activities and Entries	Incident Report
			Go into 'Race Editor'	
			Race header shows 'Blank Header' select Edit. (Reference documentation pg 124 for information on headers). Page 104 goes over the Race Editor.	
			- Select (Highlight race to be reviewed) then select "views selected race" go to Race Editor select 'Review Race Issues' on right hand side of window.	
			Issue is that the race has no header - if I go through the ballots none have headers. Select (Reviewed / Resolved). + close	
			Did this for all contests then revalidated	
			Go to Tools / Setup Wizard select completed for #16.	
			Select 'Do this step now' for # 17 go to chapter 6 for more info page 53.	
			Select preview, this brings up a review of the ballot as it would look on the VAT. Go through a few and ensure styles match precincts and paper ballots that I have all appears to match.	
			Go back to Wizard (Tools / Setup Wizard) select / check completed for #17.	
			Final Step is to burn media to flash.	
			Documentation shows to go to Chapter 14 page 153.	
			Export Tool opens.	
			Select Export Entire election, export destination is set to the F: drive	
			(note went in and deleted data off of the CF - compact flash) Type in encryption key = 12345678, must be 8 digits.	
			'Data was successfully encrypted. 25 files combined into VALID.CDE."	
			Documentation 14.3 shows "after election data is written to the flash memory card, the card is installed in the voter Assist Terminal (VAT)	
				Continue to next page...

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.

Date	Time	Operator	Activities and Entries	Incident Reports
8/30/07	8:00	Thomas	<p>Begin Test # DB7-P3-701</p> <p>SN AMQ206450782</p> <p>Serial (TAG) # 230824, 228988, 228989, 230823</p> <p>Testing AutoMark, Polling Place primary flats. Test 500 ballots</p> <p>Two part test. First on AutoMark then on M-100.</p> <p>Styles 7-14 Democrat & Republican</p> <p>Start style 7,8 Democrat 5 precincts 7192430001, 7192730019, 6222530001, 6222230003, & 6222830010.</p> <p>First ballots (3) tested. Coding was wrong. Jackson was marked correctly but Roosevelt & Salazar did not correctly in the oval marks.</p> <p>Monitor Genevieve will check marking & coding. Because of this we will check each style to see if ballots are being marked right.</p> <p>Style 7,8 Dem did not mark correctly.</p> <p>Style 7,8 Rep. was marked correctly.</p> <p>Style 9,10 Dem. did not mark correctly.</p> <p>Style 9,10 Rep. was marked properly.</p> <p>Style 11,12 Dem. was marked correctly.</p> <p>Style 11,12 Rep. was marked correctly.</p> <p>Style 13,14 Dem. was correct.</p> <p>Style 13,14 Rep. was marked properly.</p>	
8/30/07	8:50 A	INDRA THOMAS	<p>NOTE: By Monitor Genevieve apparently the some of the ballot styles were not printed correctly and this is causing the ballots to be marked wrong. we will be testing each style with precinct & Rep or Dem. We will stop this part of the test. We will vote all the ballots that</p>	Continue to next page...

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 701
Date	Time	Operator	Incidents and Errors	Incident Reports
8/30/07		Thomas - Indra	<p>had problems marking. They were Democrat ballots from both Style 7, 8 & 9, 10. Style 7, 8 precinct #s 6222230003, 7192430001, 6222530001, 6222830010 & 7192730019.</p> <p>We will test each while using Audio. The Automark system allows a voter to select races on a ballot by using a pad of arrows & a select key in the center. The voice also gives you the option to go back to any race if the voter feels they may have missed something.</p> <p># 7192730019 is ballot marked # 1</p> <p>We stated Andrew Jackson the Automark selected a spot down below the mark also mismarked race between Roosevelt & Hoover. Third mismarked was Ken Salazar</p> <p># 7192430001 ballot # 2 Andrew Jackson was voted. Franklin Roosevelt was voted. Ken Salazar was voted. System marked Andrew Jackson correctly but mismarked Roosevelt & Salazar</p> <p># 6222230003 ballot # 3 Henry Clay, Roosevelt, Ken Salazar, selected. Henry Clay is not printed on the ballot causing the ballot to be mismarked. Marks are in wrong location on ballot for Roosevelt & Salazar.</p> <p># 6222530001 Split 1 ballot # 4 Henry Clay, Roosevelt & Ken Salazar selected. Ballot was mismarked on all three races.</p> <p># 6222830010 Split 3 ballot # 5 Andrew Jackson, Franklin Roosevelt & Ken Salazar were selected. Jackson was marked fine. Roosevelt & Salazar were marked in wrong space on ballot.</p> <p>NEXT STYLE 9, 10. Democrat ballots</p> <p>The way the ballots are printed the spacing is incorrect causing ballots to be marked in wrong location.</p>	

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 701
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.				
Date	Time	Operator	Activities and Entries	Incident Reports
8/30/07	1:25 P	Thomas	# 7202330002 ballot #16 Henry Clay, Franklin Roosevelt & Bill Martin. All three candidates were marked in wrong space.	
			# 6222830010 Split 4 #2 Andrew Jackson, Franklin Roosevelt, & Bill Martin selected. Mismarked on ballot. Ballot # 2	
			NOTE: The Automark system does not have anyway of detecting that a ballot may not have a candidate printed. Because of this a person who may be visually impaired may have voted for the candidate but the system never detected the problem with the printed ballot.	
			# 7192730019 Split 2 Ballot # 3 Henry Clay, Franklin Roosevelt & Bill Martin. Ballot was marked incorrectly.	
			Next these ballots will be tested through the ESS M-100 to verify there have been printing errors on ballot and marking errors as well.	
			The Tally of these ballots should be as follows: Andrew Jackson 3 votes, Henry Clay 5 votes, Franklin Roosevelt 7 votes, Ken Salazar 8 votes, 1 under vote, Bill Martin 3	
			This test is now on ESS M-100 SN 204157 8 ballots styles 7,8 9,10	
			Style 7,8 Democrat first ballot	
			# 7192730019 Split 2 ballot read fine	
			# 7192430001 ballot read fine	
			# 6222230003 ballot was read fine	
			# 6222530001 Split 1 ballot read fine	
			# 6222830010 Split 3 ballot read fine	
			Style 9,10 Democrat	
			# 7202330002 ballot read fine	
			# 6222830010 Split 4 ballot read fine	
			# 7192730019 Split 2 ballot read fine	
			Poll Closed on M-100 All votes Tallyed	
			Match ballots.	
			CONT.	

Continue to next page...

[illegible]

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]

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 701
Testing				
Date	Time	Operator	Comments and Entries	Incident Reports
8/30/07	11:00A	Thomas Indra	This test will check how the Automark will mark each ballot. All precincts & styles 7-14.	
			622230003 Rep. read correctly	Style 7-8
			7192430001 Rep. read correctly	
			6222530001 Split 1 Rep. read fine	
			6222830010 Split 3 Rep. read fine	
			7192730019 Split 1 Rep. read correctly	
		BALLOT ISSUE {	6222230003 Dem. NOT READ CORRECTLY	
			7192430001 Dem. NOT READ CORRECTLY	
			6222530001 Split 1 Dem NOT MARKED RIGHT	
			6222830000 Split 3 DEM NOT MARKED RIGHT	
			7192730019 Split 1 Dem NOT CORRECT	
			7202330002 Rep. read correctly	Style 9-10
			6222830010 Split 4 Rep. read correctly	
			7192730019 Split 2 Rep. read correctly	
		BALLOT ISSUE {	7202330002 Dem. NOT Read correctly	
			6222830010 Split 4 Dem NOT Read properly	
8/30/07	11:26A		7192730019 Split 2 Dem. NOT Read correctly	
			7212230008 Split 2 Rep. read correctly	Style 11-12
			7212230008 Split 2 Dem. read correctly	
			7222230001 Rep. read correctly	Style 13-14
			7222230001 Dem. read correctly	

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.

Continue to next
page...

[illegible]

Additional Observations and Findings

Observations:

See log

Findings:

Scanners do not have an internal check and balance to ensure ballots inserted have all candidate positions intact and available for a voter to vote on. There is no way for a visually impaired voter to know that they voted for a candidate if it exists on the Automark, but not the ballot. Coding conducted for the Automark could cause mis-votes, undervotes, overvotes without the voters knowledge.

1st Review

G Mathews

Printed name



Signature


8-30-07

Date

2nd Review

Michael H. Chadwell

Printed name



Signature

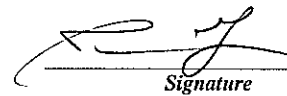
9-14-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

Date

DEMOCRATIC PRIMARY ELECTION
UNITY 3.0.1.1 AMENDMENT A CERTIFICATION BALLOT
PRECINCT 7192730019 SPLIT 1

A	COUNTY NAME	B	STATE OF COLORADO	C	MAY 25, 2007
---	-------------	---	-------------------	---	--------------

INSTRUCTIONS

1. To vote completely fill in the oval next to your candidate of your choice. Use black ink.
2. Do not add any additional folds.
3. Do not remove ballot stub.
4. If you make a mistake marking your ballot, see the Election judge.

STATE SENATOR
DISTRICT 23
(VOTE FOR ONE)

☒ ANDREW JACKSON

STATE HOUSE OF REPRESENTATIVES
DISTRICT 25
(VOTE FOR ONE)

☐ FRANKLIN ROOSEVELT

COUNTY COMMISSIONER
DISTRICT 1
(VOTE FOR ONE)

☐ COMMISSIONER
KEN SALAZAR
VICE COMMISSIONER
FINN GOTAAS

← Ballot missing
candidate
Henry Clay



A	B	C	Typ:01 Seq:0017 Spl:01
			END OF BALLOT

ANY COUNTY, COLORADO

HARDWARE PROGRAMMING MANAGER

CONTEST LISTING

ELECTION ID: PRIMC007

REPORT-EL12-02 PAGE 1

RUN DATE:08-30-07 1:26 PM

NUM	TY	CONTEST TITLE	CANDIDATE NAME	CONTEST DEVICE TITLE	CANDIDATE DEVICE NAME	#	VT	SP	C		
		B/P	TYPE			CNDS	FOR	DISTRICT	ROT	EC	T
0100			PRECINCTS COUNTED - TOTAL					COU-NTY			B
0101			REGISTERED VOTERS - TOTAL					COU-NTY			B
0102			BALLOTS CAST - TOTAL					COU-NTY			B
0103			BALLOTS CAST - BLANK					COU-NTY			B
0104	1		STATE SENATOR DISTRICT 19	STATE SENATOR DISTRICT 19		1	1	19S-ENAT			R
		1-009	N/C								
0105	1		STATE SENATOR DISTRICT 23	STATE SENATOR DISTRICT 23		2	1	23S-ENAT			R
		1-009	ANDREW JACKSON								
		1-010	HENRY CLAY								
0106	1		STATE HOUSE OF REPRESENTATIVES DISTRICT 25	STATE HOUSE OF REPRESENTATIVES DISTRICT		1	1	25H-OUSE Y			R
		1-013	FRANKLIN ROOSEVELT								
0107	1		STATE HOUSE OF REPRESENTATIVES DISTRICT 29	STATE HOUSE OF REPRESENTATIVES DISTRICT		2	1	29H-OUSE Y			R
		1-009	HARRY TRUMAN								
		1-010	J. STROM THURMUND								
0108	1		COUNTY COMMISSIONER DISTRICT 1	COUNTY COMMISSIONER DISTRICT 1		1	1	CDI-ST1 Y			R
		1-017	KEN SALAZAR								
0109	1		COUNTY COMMISSIONER DISTRICT 2	COUNTY COMMISSIONER DISTRICT 2		1	1	CDI-ST2 Y			R
		1-014	BILL MARTIN								
0110	2		STATE SENATOR DISTRICT 19	STATE SENATOR DISTRICT 19		2	1	19S-ENAT			R
		1-009	BUGGS BUNNY								
		1-010	DAFFY DUCK								
0111	2		STATE SENATOR DISTRICT 23	STATE SENATOR DISTRICT 23		1	1	23S-ENAT			R
		1-009	JOHN QUINCY ADAMS								
0112	2		STATE HOUSE OF REPRESENTATIVES DISTRICT 25	STATE HOUSE OF REPRESENTATIVES DISTRICT		1	1	25H-OUSE Y			R
		1-013	HERBERT HOOVER								

oval positions (handwritten note pointing to the circled "1" in row 0105)

ANY COUNTY, COLORADO
 HARDWARE PROGRAMMING MANAGER
 CONTEST LISTING

ELECTION ID: PRIMC007
 REPORT-EL12-02 PAGE 2

RUN DATE:08-30-07 1:26 PM

CONTEST TITLE	CONTEST DEVICE TITLE	#	VT	SP	C
B/P TYPE CANDIDATE NAME	CANDIDATE DEVICE NAME	CNDS	FOR	DISTRICT	ROT EC
0113 2 STATE HOUSE OF REPRESENTATIVES DISTRICT 29	STATE HOUSE OF REPRESENTATIVES DISTRICT	1	1	29H-0USE	Y R
1-009 N/C					
0114 2 COUNTY COMMISSIONER DISTRICT 1	COUNTY COMMISSIONER DISTRICT 1	1	1	CDI-ST1	Y R
1-017 DOUGLAS "DAYHORSE" CAMPBELL					
0115 2 COUNTY COMMISSIONER DISTRICT 2	COUNTY COMMISSIONER DISTRICT 2	1	1	CDI-ST2	Y R
1-013 ANDY MCELHANY					

TOTAL NUMBER OF CONTESTS 16

TOTAL NUMBER OF CANDIDATES 15

Instructions are indicated below. To change your selection, To confirm your selections and mark your ballot.

STATE SENATOR DISTRICT 23 (VOTE FOR ONE)

•HENRY CLAY

STATE HOUSE OF REPRESENTATIVES DISTRICT 1

•FRANKLIN ROOSEVELT

COUNTY COMMISSIONER DISTRICT 1 (VOTE)

•COMMISSIONER KEN SALAZAR VICE COMMISSIONER FINN GOTLAAS

INSTRUCTIONS

1. To vote completely fill in the oval next to your candidate of your choice. Use black ink.
2. Do not add any additional folds.
3. Do not remove ballot stub.
4. If you make a mistake marking your ballot, see the Election Judge.

STATE SENATOR DISTRICT 23 (VOTE FOR ONE)

ANDREW JACKSON

STATE HOUSE OF REPRESENTATIVES DISTRICT 1 (VOTE FOR ONE)

FRANKLIN ROOSEVELT

COUNTY COMMISSIONER DISTRICT 1 (VOTE FOR ONE)

COMMISSIONER KEN SALAZAR VICE COMMISSIONER FINN GOTLAAS

DEMOCRATIC PRIMARY ELECTION
UNITE 2011 AMENDMENT A CERTIFICATION BALLOT
PRECINCT 822639005 (PLT 1)

COUNTY NAME

STATE OF CALIFORNIA

BACK

MARK IN/OUT

STATE SENATOR DISTRICT 23 (VOTE FOR ONE)

• HENRY CLAY

STATE HOUSE OF REPRESENTATIVES DISTRICT 1

• FRANKLIN ROOSEVELT

COUNTY COMMISSIONER DISTRICT 1 (VOTE ...)

• COMMISSIONER KEN SALAZAR VICE COMMISSIONER FINN GOTTAAS

INSTRUCTIONS

1. To vote completely fill in the oval next to your candidate of your choice. Use black ink.
2. Do not add any additional marks.
3. Do not remove ballot stub.
4. If you make a mistake marking your ballot, see the Election Judge.

STATE SENATOR DISTRICT 23 (VOTE FOR ONE)

ANDREW JACKSON

STATE HOUSE OF REPRESENTATIVES DISTRICT 1

FRANKLIN ROOSEVELT

COUNTY COMMISSIONER DISTRICT 1 (VOTE FOR ONE)

COMMISSIONER KEN SALAZAR VICE COMMISSIONER FINN GOTTAAS



ES&S
HUMAN/RC

Summary of Selections

Your selections for each contest are indicated below. To change your selections, touch the box representing that contest. To confirm your selections and mark your ballot, touch "NEXT" at the bottom of the screen.

STATE SENATOR
DISTRICT 23 (VOTE
FOR ONE)

• HENRY CLAY

COUNTY
COMMISSIONER
DISTRICT 1 (VOTE ...)

• COMMISSIONER
KEN SALAZAR VICE
COMMISSIONER
FINN GOTTAAS

STATE HOUSE OF
REPRESENTATIVES
DISTRICT

• FRANKLIN
ROOSEVELT

BACK

ZOOM
IN/OUT

EXIT
RETURN ONLY

HIGH
CONTRAST

NEXT

INSTRUCTIONS

1. Do not touch the screen until you are told to do so.
2. Do not touch any selection box until you are told to do so.
3. Do not remove your eye from the screen until you are told to do so.
4. Do not touch the screen until you are told to do so.

STATE SENATOR
DISTRICT 23

COUNTY
COMMISSIONER
DISTRICT 1

STATE HOUSE OF
REPRESENTATIVES
DISTRICT

DEMOCRATIC PRIMARY ELECTION
UNIT 1001 AMHERST ACQUISITION, LLC
FEBRUARY 12, 2008

END OF BALLOT

DB7-P3-701 8.30.07 4

ESS 1 PA

DEMOCRATIC PRIMARY ELECTION
UNITY 3.01.1 AMENDMENT A CERTIFICATION BALLOT
PRECINCT 7192730019 SPLIT 1

COUNTY NAME

STATE OF COLORADO

INSTRUCTIONS

1. To vote completely fill in the oval next to your candidate of your choice. Use black ink.
2. Do not add any additional folds.
3. Do not remove ballot stub.
4. If you make a mistake marking your ballot, see the Election Judge.

STATE SENATOR
DISTRICT 23
(VOTE FOR ONE)

ANDREW JACKSON

HENRY CLAY

STATE HOUSE OF REPRESENTATIVES
DISTRICT 25
(VOTE FOR ONE)

FRANKLIN ROOSEVELT

COUNTY COMMISSIONER
DISTRICT 1
(VOTE FOR ONE)

COMMISSIONER
KEN SALAZAR
VICE COMMISSIONER
FINN GOTLAAS

INSTRUCTIONS

1. To vote completely fill in the oval next to your candidate of your choice. Use black ink.
2. Do not add any additional folds.
3. Do not remove ballot stub.
4. If you make a mistake marking your ballot, see the Election Judge.

STATE SENATOR
DISTRICT 23
(VOTE FOR ONE)

ANDREW JACKSON

STATE HOUSE OF REPRESENTATIVES
DISTRICT 25
(VOTE FOR ONE)

FRANKLIN ROOSEVELT

COUNTY COMMISSIONER
DISTRICT 1
(VOTE FOR ONE)

COMMISSIONER
KEN SALAZAR
VICE COMMISSIONER
FINN GOTLAAS

DEMOCRATIC PRIMARY ELECTION
UNITY 3.01.1 AMENDMENT A CERTIFICATION BALLOT
PRECINCT 7192730019 SPLIT 1

COUNTY NAME

STATE OF COLORADO

JAN 25 2009

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>
DB7-P3 - 702

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(d)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Provisional – ballots are flat- no score marks.	DB7-P3-702
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
Cross Reference 2		Eq Type
		Amark
Cross Reference 3		Equipment Model
		Automark
		Serial number
		AMO206450782
		Manufacturer
		ES & S

Purpose:

The Purpose of this test is to document and verify that enough ballots are provided as required.

Prerequisites:

Instructions for voting system vendors

Test Procedures:

Document the status of the received ballots and the ability to test and run them through the end to end process necessary for voting.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing provisional voting.

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.



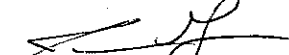
Continue to next
page...

[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) DB2-PS-204 DB7-PS-701

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		Michael L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
	8/31/07		9.06.07		9/15/07
Signature	Date	Signature	Date	Signature	Date

Additional Observations and Findings

Observations:

See notes on DB7-P3-701, and DB2-P3-204 (as it relates to the ballot errors). The errors in programming and ballot presentation were so grievous that the testing board was unable to conduct the testing as required.

Findings:

The testing board is unable to conduct the testing of the ballots provided due to the errors on the ballots.

1st Review

Geneice Mathews

Printed name



Signature

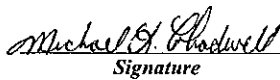
8-31-07

Date

2nd Review

Michael L. Cresswell

Printed name



Signature

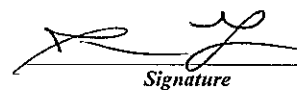
9-04-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

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

DB7-P3 - 703

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.7(a)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: Four separate decks of ballots shall be provided consisting of 25 ballots for each precinct/precinct split generated for each election that are flat (1500 minimum combined). At least one deck shall have the General Election data, and at least one shall have the Primary election data as indicated in the instructions for voting system providers;	DB7-P3-703
		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

Purpose:

The Purpose of this test is to document and verify the ballots provided by the voting system vendor to meet the requirements of this test.

Prerequisites:

Completion of instructions for voting system vendors.

Test Procedures:

Document findings of ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing General Election data and Primary Election Data.

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.

Continue to next
page...

Additional Observations and Findings

Observations:

The voting system vendor provided both Primary and Coordinated ballots with either missing candidates, races in incorrect locations, or other issues causing the ballots to not either represent the correct status for the official ballot, or in some cases to not represent the count of the ballot correctly when tabulated. See decks ESS-1CO, ESS1-PO.

Findings:

The voting system provider did not supply the testing board with ballots that were accurately produced to be used for testing.

1st Review

Geneice Mathews

Printed name


Signature

8-31-07
Date

2nd Review

Michael L. Chadwell

Printed name


Signature

9-06-07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/15/07
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

DB7-P3 - 704

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Rule or Statute 45.6.2.3.6(c)	2007-CDOS-ESS-001-0403	Test Number DB7-P3-704
	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Absentee – ballots are scored and folded to fit in standard Colorado Absentee Mailing Envelopes.	Test Date 8/30/2007
		Test End Date/Time 8/31/2007
Cross Reference 1		Test Type (D,F,B) Functional
		Eq Type Amark
Cross Reference 2		Equipment Model Automark
		Serial number AMO206450782
Cross Reference 3		Manufacturer ES & S

<u>Purpose:</u> The Purpose of this test is to verify that ballots are provided as required.	<u>Prerequisites:</u> N/A
<u>Test Procedures:</u> N/A	<u>Variances Used During Testing:</u> N/A
<u>Test Expected Outcome</u> Voting system manufacturer provided a sufficient number of ballots for testing absentee voting.	

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:

This test is not applicable for the automark voting device. This device is not used for Absentee ballot counting.

Findings:

This test is Not Applicable for the Automark.

1st Review

Geneice Mathews

Printed name



Signature

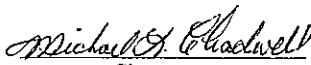
8/31/07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9/06/07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

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>
DB7-P3 - 705

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(b)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Early Voting – ballots are flat – no score marks.	DB7-P3-705
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
Cross Reference 1		Test Type (D.F.B)
		Functional
		Eq Type
		Amark
Cross Reference 2		Equipment Model
		Automark
		Serial number
Cross Reference 3		AMO206450782
		Manufacturer
		ES & S

Purpose:

The Purpose of this test is to document and verify that enough ballots are provided as required.

Prerequisites:

Instructions for voting system vendors

Test Procedures:

Document the status of the received ballots and the ability to test and run them through the end to end process necessary for voting.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing early voting

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]

Additional Observations and Findings

Observations:

See notes on DB7-P3-701, and DB2-P3-204 (as it relates to the ballot errors). The errors in programming and ballot presentation were so grievous that the testing board was unable to conduct the testing as required.

Findings:

The testing board is unable to conduct the testing of the ballots provided due to the errors on the ballots.

1st Review

Geneice Mathews

Printed name



Signature

8.9.07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9.06.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/13/07

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

DB7-P3 - 706

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.7(b)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: Four separate decks of ballots shall be provided consisting of 25 ballots for each precinct/precinct split generated for each election that are folded (1500 minimum combined). At least one deck shall have the General Election data, and at least one shall have the Primary election data as indicated in the instructions for voting system providers;	DB7-P3-706
		<i>Test Date</i>
		8/30/2007
		<i>Test End Date/Time</i>
		8/31/2007
<i>Cross Reference 1</i>		<i>Test Type (D,F,B)</i>
		Functional
		<i>Eq Type</i>
<i>Cross Reference 2</i>		Amark
		<i>Equipment Model</i>
		Automark
		<i>Serial number</i>
<i>Cross Reference 3</i>		AMO206450782
		<i>Manufacturer</i>
		ES & S

Purpose:

The Purpose of this test is to document and verify the ballots provided by the voting system vendor to meet the requirements of this test.

Prerequisites:

Completion of instructions for voting system vendors.

Test Procedures:

Document findings of ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing General Election data and Primary Election Data.

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.


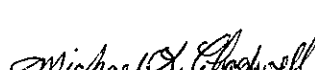

[illegible]

[illegible]

Documents			Attachments		Photos	
Documents (list all documents)	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Videos (list all videos)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Photos (list all photos)
ESS 1 CO ESS 1 PA						

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		Michael L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
					
Signature		Signature		Signature	
8/31/07		9.06.07		9/15/07	
Date		Date		Date	

Additional Observations and Findings

Observations:

The voting system vendor provided both Primary and Coordinated ballots with either missing candidates, races in incorrect locations, or other issues causing the ballots to not either represent the correct status for the official ballot, or in some cases to not represent the count of the ballot correctly when tabulated. See decks ESS-1CO, ESS1-PO.

Findings:

The voting system provider did not supply the testing board with ballots that were accurately produced to be used for testing.

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. Chadwell

Printed name

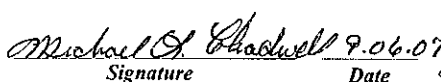
Supervisor Approval

John Gardner

Printed name


Signature

8.31.07
Date


Signature

9.06.07
Date


Signature

9/15/07
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

DB7-P3 - 707

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.6(a)	The voting system provider is required to produce ballots in quantities identified below for each of the two elections. Enough ballots need to be created to conduct the testing of the voting system as defined in this rule. One complete set of ballots will be tested in each of the applicable counter types (or groups): Poll Place or Vote Center - ballots are flat - no score marks.	DB7-P3-707
		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	

Purpose:

The Purpose of this test is to document and verify that enough ballots are provided as required.

Prerequisites:

Instructions for voting system vendors

Test Procedures:

Document the status of the received ballots and the ability to test and run them through the end to end process necessary for voting.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing poll place or vote center.

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]

DB2-P3-204
DB7-P3-701

FAIL

9/15/07
Date

Additional Observations and Findings

Observations:

See notes on DB7-P3-701, and DB2-P3-204 (as it relates to the ballot errors). The errors in programming and ballot presentation were so grievous that the testing board was unable to conduct the testing as required.

Findings:

The testing board is unable to conduct the testing of the ballots provided due to the errors on the ballots.

1st Review

Geneice Mathews

Printed name



Signature

8/31/07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9.06.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

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

DB7-P3 - 708

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.10(f)	Ballots shall be cast and counted in all applicable counter types (or counter groups) as necessary based on the parts included in the voting system. These are at a minimum: Poll Place (or Vote Center), Absentee, Provisional, and Early Voting. Ballots may be run through components 10 or more times depending on components and counter group being tested to achieve a minimum number of ballots cast as follows for each group: Early Voting / DRE 250.	DB7-P3-708
		Test Date
		9/4/2007
		Test End Date/Time
		9/5/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
		Eq Type
Cross Reference 2		Amark
		Equipment/Model
		Automark
Cross Reference 3		Serial number
		Manufacturer
		ES & S

Purpose:

The purpose of this test is to document the outcome and any measurements of processing 250 ballots through a DRE designated for early voting scanner.

Prerequisites:

N/A

Test Procedures:

Document the systems ability to be programmed and provide for the marking of ballots for 250 voters in an early voting environment.

Variances Used During Testing:

N/A

Test Expected Outcome

Scanners will process ballots accurately and efficiently regardless of ballot fatigue. Early voting DRE's will count at least 250 ballots.

Test Log

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

[illegible]

Additional Observations and Findings

Observations:

See notes on DB7-P3-710.

Findings:

The voting system failed to meet the test requirements.

1st Review

Geneice Mathews

Printed name

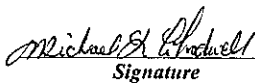


Signature

9-6-07
Date2nd Review

Michael L. Chadwell

Printed name



Signature

9-12-07
DateSupervisor Approval

John Gardner

Printed name



Signature

9/13/07
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>
DB7-P3 - 709

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
1-7-508(2)	Votes cast for an office to be filled or a ballot question or ballot issue to be decided shall not be counted if a voter marks more names than there are persons to be elected to an office or if for any reason it is impossible to determine the elector's choice of candidate or vote concerning the ballot question or ballot issue. A defective or an incomplete mark on any ballot in a proper place shall be counted if no other mark is on the ballot indicating an intention to vote for some other candidate or ballot question or ballot issue.	DB7-P3-709
		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
Cross Reference 1		
Cross Reference 2		
Cross Reference 3		

Purpose:

The purpose of this test is to verify that the system does not count overvoted ballots. Additionally, verification of information (or sorting) overvotes shall be provided by the device.

Prerequisites:

DB7-P3-701

Test Procedures:

Document findings of processing ballots on the Automark system.

Variances Used During Testing:

N/A

Test Expected Outcome

The voting system shall not count overvoted ballots. All defective or incomplete marks in a proper place shall be counted if no other mark indicating voter intention is apparent.

Voting

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]

Created by the Colorado Secretary of State's Office

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

2nd Review

Michael L. Chadwell

Printed name

Supervisor Approval

John Gardner

Printed name



Signature

9.4.07

Date



Signature

9.06.07

Date



Signature

7/15/07

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

DB7-P3 - 710

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.10(d)	Ballots shall be cast and counted in all applicable counter types (or counter groups) as necessary based on the parts included in the voting system. These are at a minimum: Poll Place (or Vote Center), Absentee, Provisional, and Early Voting. Ballots may be run through components 10 or more times depending on components and counter group being tested to achieve a minimum number of ballots cast as follows for each group: Vote Center / DRE 500.	DB7-P3-710
		<i>Test Date</i>
		9/4/2007
		<i>Test End Date/Time</i>
		9/5/2007
<i>Cross Reference 1</i>		<i>Test Type (D,F,B)</i>
		Functional
		<i>Eq Type</i>
		Amark
<i>Cross Reference 2</i>		<i>Equipment Model</i>
		Automark
		<i>Serial number</i>
<i>Cross Reference 3</i>		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to document the outcome and any measurements of processing 500 ballots through a DRE designated for a vote center.

Prerequisites:

N/A

Test Procedures:

Document the systems ability to be programmed and provide for the marking of ballots for 500 voters in a vote center environment.

Variances Used During Testing:

N/A

Test Expected Outcome

Scanners will process ballots accurately and efficiently regardless of ballot fatigue. Vote Center DRE's will count at least 500 ballots.

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 710
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.				
Date	Time	Operator	Activities and Entries	Incident Report
9/3/07	4:00	P. JONES	Boot Machine - Key to vertical "on" Insert Ballot - front side up - 15 sec.? Deck # ESS 50A 7192730019 SPLIT 1 screen came up on Green "next" arrow flashes. Pressed "Next." - Screen came up in 3 sec.	
9/5/07	12:55	Amber	Ballot test was conducted under BATTERY power. First ballot, error occurred while printing Test monitor manually removes ballot from back Privacy issue with device, test monitor sees entire ballot & voter selections, ink on ballot Machine reboot required, wait time 3 minutes 1:00 Second ballot, error while printing Had to manually remove ballot, privacy issue, voter selections could be seen, ink on ballot Machine reboot required, 3 min. wait time Third ballot, paper misfeed, "contact official" notice on screen, removed ballot when machine pushed it out of the feed tray and now ballot can be inserted again Third ballot, same error as first two, repeated same steps to proceed to next ballot, no ink marks on ballot Fourth ballot, same error, same steps to proceed, no ink marks on ballot Fifth Ballot, error message "ballot not recognized" ballot comes back out, when removed, the insert ballot screen comes up again, ballot inserted again, voted, same error as first four, same steps taken to continue voting, ink on ballot Sixth ballot, same error, same process, ink on ballot Seventh ballot, same error, same process, ink on ballot Eighth ballot, same error, same process, ink on ballot Scanned: III Errors: III III III 1:40 Ninth ballot, same error, same process, ink on ballot Tenth ballot, same error, same process, ink on ballot	
				Continue to next page...

Continue to next page...

Environment		2007-CDOS-ESS-001-0403		Test Number
Voting				DB7-P3 - 710
Test Log				
Date	Time	Operator	Activities and Entries	Incident Reports
	1:55		Eleventh ballot, Same error, same process, ink on ballot	
			Twelfth ballot, Same error, same process, ink on ballot	
	2:00		Thirteenth ballot, Same error, same process, ink on ballot	
			Fourteenth ballot, Same error, same process, ink on ballot	
			ballot, different type of ballot used (split 1, not split 7)	
			Fifteenth ballot, Same error, same process, ink on ballot	
			Sixteenth ballot, Same error, same process, ink on ballot	
			Seventeenth ballot, Same error, same process, ink on ballot	
			Eighteenth ballot, Same error, same process, ink on ballot	
			Nineteenth ballot, Same error, same process, ink on ballot	
			Twentieth ballot, Same error, same process, ink on ballot	
			21 st ballot, Same error, same process, ink on ballot	
			22 nd ballot, same error, same process, ink on ballot	
			23 rd ballot, Same error, same process, ink on ballot	
			24 th ballot, same error, same process, ink on ballot	
			25 th ballot, same error as ballot #5, re-inserted ballot,	
			same printing error, same process, ink on ballot	
			26 th ballot, Same error, same process, ink on ballot	
	3:00		27 th ballot, (split 2 ballot, not split 7), same error,	
			same process, ink on ballot	
			28 th ballot (split 2 ballot, not split 7), same error,	
			same process, ink on ballot	
			29 th ballot (2192930001), same error, same process,	
			ink on ballot	
			30 th ballot (2192930001), same error, same process,	
			ink on ballot, machine would not turn back on	
			easily, would turn on for a few seconds and	
	3:18		turn off	
			31 st ballot, (split 1, not split 7), same error as ballots	
			5 and 25, reinserted ballot, same error, same	
			process, ink on ballot,	
	3:25		difficulty in turning machine on, will only stay on	
			a few seconds, will not stay on long, testing had	
			to end	

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]

Created by the Colorado Secretary of State's Office

Additional Observations and Findings

Observations:

See notes in test log and on video, as well as additional photographs of errors reported during testing. The automark failed to mark ballots correctly without reporting errors to voters, and consistently jammed during testing requiring the tester to expose a voters' choices (if the ballot had been marked correctly). Errors in marking ballots were so grievous that the testing board commenced testing other ballots on the device and documented other non-voting related requirements. Used deck # ESS-5CA.

Findings:

The voting system failed to meet the test requirements.

1st Review

Geneice Mathews

Printed name


Signature

9-6-07
Date

2nd Review

Michael L. Crowell

Printed name


Signature

9.06.07
Date

Supervisor Approval

John Gardner

Printed name

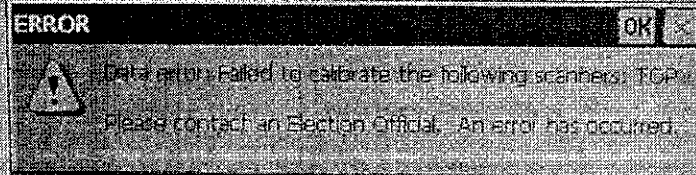

Signature

9/15/07
Date

Automark I. I

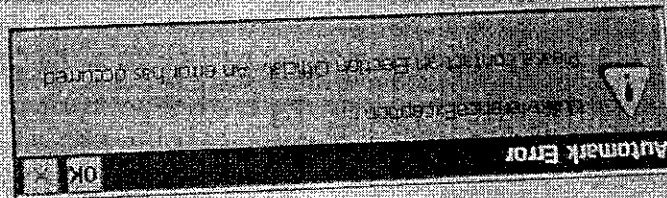
Application boot in progress.
Please wait...

Checking scanners



[illegible]

UNCLASSIFIED



Apple Auto Boot in progress.
Please wait.
CHECKING SYSTEMS

1990

Autotark Engr
OK

END OF BALLOT

NO
YES
The following are all in the ballot -
are all in the ballot -
are all in the ballot -

County Question 10
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

NO
YES
County Question 11
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

NO
YES
County Question 12
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

NO
YES
County Question 13
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

NO
YES
County Question 14
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

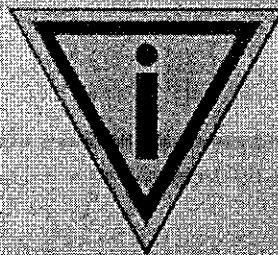
NO
YES
County Question 15
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

County Question 16
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

County Question 17
Shall the County Board be authorized to grant a license to any person to operate a business in the County of Cook, Illinois, which is not a business in which the County Board has a financial interest?

INFORMATION

Ballot has not been recognized. Please try again or contact an election official for assistance. Please double-check that you are inserting only a single ballot.



ES&S
AutoMARK



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~~ ESS

Application Date: 04/03/2007

Test Number

DB7-P3 - 711

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.7(d)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: One separate deck of ballots consisting of 200 ballots of any single precinct from the Coordinated election shall be provided that contains a two page ballot (races on four faces).	DB7-P3-711
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
Cross Reference 1		Test Type (D, F, B)
		Functional
		Eq Type
Cross Reference 2		Amark
		Equipment Model
		Automark
Cross Reference 3		Serial number
		AMO206450782
		Manufacturer
		ES & S

Purpose:

The Purpose of this test is to document and verify the ballots provided by the voting system vendor to meet the requirements of this test.

Prerequisites:

Completion of instructions for voting system vendors.

Test Procedures:

Document findings of ballots.

Variances Used During Testing:


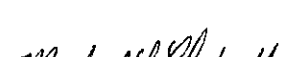

N/A

Test Expected Outcome

Voting system manufacturer provided sufficient numbers of ballots with two pages.

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...

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michael L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
 Signature		8-31-07  Signature		 Signature	
Date		Date		Date	

Additional Observations and Findings

Observations:

The voting system vendor provided both Primary and Coordinated ballots with either missing candidates, races in incorrect locations, or other issues causing the ballots to not either represent the correct status for the official ballot, or in some cases to not represent the count of the ballot correctly when tabulated. See deck ESS-1CO.

Findings:

The voting system provider did not supply the testing board with ballots that were accurately produced to be used for testing.

1st Review

Geneice Mathews

Printed name


Signature

8.31.07
Date

2nd Review

Michael L. Chowell

Printed name

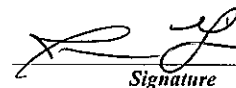

Signature

9.12.07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/15/07
Date

State of Colorado
Department of State
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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>
DB7-P3 - 712

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.3	Each voting system shall be tested and examined by conducting at least three mock elections which shall include voting scenarios that exist within a primary election, a coordinated election, and a recall election.	DB7-P3-712
		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
		N/A
		Manufacturer
		ES & S
Cross Reference 1		
Cross Reference 2		
Cross Reference 3		

Purpose:

The purpose of this test is to verify that the voting system is capable of conducting coordinated, primary, and recall elections. Other tests will verify specific needs, but at a high level, confirm that these individual scenarios can be created.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document the systems ability to conduct testing for all three election types.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system shall be able to conduct primary elections, coordinated elections and recall elections.

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]

Additional Observations and Findings

Observations:

The voting system provider did not provide programming and ballots to correctly process all three scenarios. See notes on DB2-P3-204 related to the ballots and programming.

Findings:

The voting system was unable to be accurately tested with each of these scenarios.

1st Review

Geneice Mathews

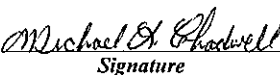
Printed name


Signature

8.31.07
Date

2nd Review

Michael L. Cardwell
Printed name


Signature

9.06.07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/15/07
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>
DB7-P3 - 713

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.7(c)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: Four separate decks of ballots consisting of 300 ballots of any single precinct from each election. Two of these decks shall be printed in all alternative languages as required for the State of Colorado pursuant to section 45.5.2.3.5;	DB7-P3-713
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
		Test Type (D,F,B)
		Functional
		Eg. Type
		Amark
		Equipment Model
		Automark
		Serial number
		AMO206450782
		Manufacturer
		ES & S

Purpose:

The Purpose of this test is to document and verify the status of the ballots as received from the vendor.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document the findings of the ballots provided by the vendors, and the testing ability to properly cast and count the ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing alternate languages.

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.


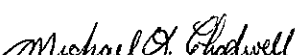

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page...

[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 voting system does not meet the requirement.	FAIL

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michael L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
					
Signature		Signature		Signature	
8.31.07		9.06.07		9/15/07	
Date		Date		Date	

Additional Observations and Findings

Observations:

The voting system provider has chosen to not supply the necessary programming and ballots to test to meet this requirement.

Findings:

The voting system fails to meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

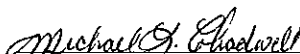
8/31/07

Date

2nd Review

Michael L. Chodwell

Printed name



Signature

9.04.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

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>
DB7-P3 - 714

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.9	The testing board shall mark a minimum of 300 ballots with marking devices of various color, weight, and consistency to determine accurate counting with a variety of marking devices.	DB7-P3-714
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
		Eq Type
		Amark
Cross Reference 2		Equipment Model
	Automark	
	Serial number	
	N/A	
Cross Reference 3	Manufacturer	
	ES & S	

<p><u>Purpose:</u></p> <p>The purpose of this test is to verify that the scanning device can detect colors other than black or blue. 300 unique marking devices shall be used and identified as to which types of devices can be read. (n/a for DRE)</p>	<p><u>Prerequisites:</u></p> <p>N/A</p>
<p><u>Test Procedures:</u></p> <p>N/A</p>	<p><u>Variances Used During Testing:</u></p> <p>N/A</p>
<p><u>Test Expected Outcome</u></p> <p>Voting system will accurately recognize and tally a wide variety of marking devices.</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]

Additional Observations and Findings

Observations:

This test is not applicable for this type of voting device, the Automark marks ballots rather than scans marked ballots.

Findings:

This test is not applicable for this device

1st Review

Geneice Mathews

Printed name



Signature

3-4-07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

7-06-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

7/15/07

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

DB7-P3 - 715

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.8	The voting system provider shall provide 10 ballot marking pens/pencils/markers as defined by their system for marking ballots by the Secretary of State or the designee.	DB7-P3-715
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
Cross Reference 1		Test Type (D, F, B)
		Functional
		Eq Type
		Amark
Cross Reference 2		Equipment Model
		Automark
		Serial number
Cross Reference 3		AMO206450782
		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that the voting system manufacturer has provided the required number of ballot marking devices to the testing board.

Prerequisites:

Instructions for voting system vendors

Test Procedures:

Document the marking devices provided by the vendor.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided sufficient numbers of ballot marking devices.

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.

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page...

Additional Observations and Findings

Observations:

This is not applicable for this type of device.

Findings:

This test is not applicable for an electronic ballot marking device.

1st Review

Geneice Mathews

Printed name



Signature


9.31.07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9.06.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

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>
DB7-P3 - 716

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.7(f)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: Any vendor that uses serial numbers printed on ballots for processing shall produce ballots of each requirement printed both with and without serial numbers.	DB7-P3-716
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
Cross Reference 1		Test Type (D,F,B)
		Functional
		Eq Type
		Amark
Cross Reference 2		Equipment Model
		Automark
		Serial number
		N/A
Cross Reference 3		Manufacturer
		ES & S

Purpose:

The Purpose of this test is to document the status of the ballots as received from the vendor.

Prerequisites:

Instructions from voting sytem vendors

Test Procedures:

Document test ballot status.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing with and without serial numbers.

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]

Additional Observations and Findings

Observations:

The voting system vendor supplied the testing board with the required ballots. Refer to deck # ESS-1RA, and ESS-1RO.

Serialized ballots were not included or required

Findings:

The voting system meets the test requirements.

1st Review

Geneice Mathews

Printed name

Gene Mathews
Signature

8.31.07
Date

2nd Review

Michael L. Conrad
Printed name

Michael A. Chadwell
Signature

9.12.07
Date

Supervisor Approval

John Gardner

Printed name

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: **ESS**

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

Test Number

DB7-P3 - 717

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.7(e)	All ballots provided shall be blank with no marks on them. The following combinations of ballots are required: One separate deck of ballots consisting of 10 ballots for each precinct generated for the Recall election that are flat as indicated in the instructions for vendors.	DB7-P3-717
		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
		N/A
		Manufacturer
		ES & S
Cross Reference 1		
Cross Reference 2		
Cross Reference 3		

Purpose:

The Purpose of this test is to document the status of the ballots as received from the vendor.

Prerequisites:

Instructions from voting sytem vendors

Test Procedures:

Document test ballot status.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system manufacturer provided a sufficient number of ballots for testing recall elections.

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		Attachments		Videos		Photos	
(list all documents)	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	(list all attachments)	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	(list all videos)	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	(list all photos)	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>
ESS 12A / 120							


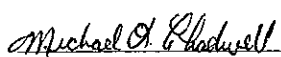
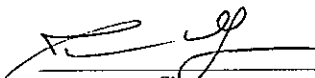
Acceptable Compensating Controls

Results Summary

The voting system meets the test requirements.

Final Test Status

PASS

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michael L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
	8-31-07		9.06.07		9/15/07
Signature	Date	Signature	Date	Signature	Date

Additional Observations and Findings

Observations:

The voting system vendor supplied the testing board with the required ballots. Refer to deck # ESS-1RA, and ESS-1RO.

Findings:

The voting system meets the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

8/31/07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9.06.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/15/07

Date