

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

CC7-P3 - 701

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
37.1.2(c)	<p>Voting systems (including optical scanning voting systems or direct recording electronic systems) certified by the secretary of state and acquired, purchased or leased by counties pursuant to state law shall:</p> <p>(c) if the voter selects votes for more than one candidate for a single office:</p> <p>(i) notify the voter that the voter has selected more than 1 candidate for a single office on the ballot;</p> <p>(ii) notify the voter before the ballot is cast and counted of the effect of casting multiple votes for the office; and</p> <p>(iii) provide the voter with the opportunity to correct the ballot before the ballot is cast and counted.</p>	CC7-P3-701
		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

Purpose:

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

Prerequisites:

DB7-P3-710

Test Procedures:

Document findings of processing ballots on the Automark system.

Variances Used During Testing:

N/A

Test Expected Outcome

The elector will be notified of an overvote, informed of the consequences of overvoting, and allowed to correct the ballot before casting the ballot.

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]

Voting

CC7-P3 - 701

[illegible]

Attachments

Documents
(list all documents)

No

Yes ☐

7

Videos
(list all videos)

No

9

Yes ☐

4

Photos
(list all photos)

No

1

Yes ☐

☐

Acceptable Compensating Controls

Results Summary

The voting system does not meet the requirements.

Final Test Status

FAIL

1st Review

Geneice Mathews

Printed name _____

2nd Review

Michael L. Chadwell

Printed name

Supervisor Approval

John Gardner


Printed name

Signature

9.12.07
Date

Michael E. Chodurell
Signature

9.12.07
Date


Signature

9/14/07
Date

Additional Observations and Findings

Observations:

See notes on DB7-P3-710. The voting system erroneously marked ballots without providing instructions to voters.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name


Signature

9.12.07
Date

2nd Review

Michael L. Gardner

Printed name


Signature

9.12.07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/14/07
Date

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

Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

CC7-P3 - 702

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
1-5-409	Single cross mark for party slate not permitted. Each office in every election shall be voted upon separately, and no emblem, device, or political party designation shall be used on the official ballot at any election by which an eligible elector may vote for more than one office by placing a single cross mark on the ballot or by writing in the name of any political party or political organization.	CC7-P3-702
		<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>
<i>Cross Reference 2</i>		Amark
		<i>Equipment Model</i>
		Automark
<i>Cross Reference 3</i>		<i>Serial number</i>
		AM0206450732
		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that each ballot shall provide for a separate selection for each race independently as described herein.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document the setup of the election database following the loading of the election provided by the voting system vendors.

Variances Used During Testing:

N/A

Test Expected Outcome

Single cross mark for party slate not permitted. Each office in every election shall be voted upon separately, and no emblem, device, or political party designation will be used on the ballot.

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 attached screen shot. The ability for a straight ticket race is available by the voting system software, however for Colorado purposes, this checkmark was not implemented for our databases.

Findings:

The voting system meets the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

9-6-07

Date

2nd Review

Michael L. Crowell

Printed name



Signature

9-08-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/13/07

Date

CC7-P3-702



Race Editor

Race Description (Seen only within AIMS. Don't confuse this with the Race Summary Text setting)

SCHOOL DISTRICT R-1

Race Header

BLANK HEADER

Edit

Race Labels

Seq.	Text			
1	SCHOOL DISTRICT R-1	↕	↕	↕
2	(NOTE FOR THREE)	↕	↕	↕

Add New

Straight Ticket Race? ☐

Write-In Count

0

Straight Ticket Applies? ☐

Vote-For Count

3

Vote-For Exact? ☐

Race Candidates

Candidate Description	Default Seq. *	
NORENE FRASER	1	↕ Edit...
EARL F. DODGE	2	↕ Edit...
LYNN HEFLEY	3	↕ Edit...
JOE NUNEZ	4	↕ Edit...
SANDRA PANETTA	5	↕ Edit...

Save

Print

Delete Race...

Edit Summary Text...

Remove Race Issues

Apply Default Sequence

*Applies only at time race is added to ballot.

Add New...

Race Group Information

Group

NONPARTISAN

Force Group? ☐

Edit

New Group...

Close

Add This Voting Station Race to all Ballots

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Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

CC7-P3 - 703

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.5.2.1.2(b); 1-5-408(4)	The Voting system shall provide for appropriately authorized operators to setup and prepare ballots for an election. The designated election official shall not print, in connection with any name, any title or degree designating the business or profession of the candidate.	CC7-P3-703
		Test Date
		9/1/2007
		Test End Date/Time
		9/4/2007
Gross Reference 1		Test Type (D,F,B)
		Functional
		Eg. Type
		Amark
Gross Reference 2		Equipment Model
		Automark
		Serial number
		AMO206450782
Gross Reference 3		Manufacturer
		ES & S

Purpose:

The purpose of this test is to verify that the voting system allows for setup and labeling of election information as required herein.

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

The voting system shall allow for the labeling of candidates to not include any title, degree, business or profession of the candidates.

Test Log

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

[illegible]

2007-CDOS-ESS-001-0403

Test Number

CC7-P3 - 703

[illegible]

Attachments

No

☐

Yes ☐

7

No

☐

Yes ☒

25

No

1

Yes ☒

☐

See video from DB7-P3-710

See attached.

Acceptable Compensating Controls

Results Summary

The voting system meets the test requirements.

Final Test Status

PASS

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. CROWELL

Printed name

Supervisor Approval

John Gardner

Printed name

Signature

Date _____

Signature

Date _____

Signature

Daf

Additional Observations and Findings

Observations:

See attached photos. The voting system does not print any additional information next to candidates names as required by the text herein.

Findings:

The voting system meets the test requirements.

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. Chodwell

Printed name

Supervisor Approval

John Gardner

Printed name

Signature

Date

Signature

Date

Signature

Date

CC-7-P3-703

STATE HOUSE OF REPRESENTATIVES

DISTRICT 25

(VOTE FOR ONE)

☐ FRANKLIN ROOSEVELT
DEMOCRAT

☐ HERBERT HOOVER
REPUBLICAN

State of Colorado
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Manufacturer: *ESS*

Application Date: *04/03/2007*

Test Number

CC7-P3 - 704

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.5.2.1.2(b); 1-5-407(4); 1-5-407(6); 1-5-407(7)	<p>The Voting system shall provide for appropriately authorized operators to setup and prepare ballots for an election.</p> <p>The names of the candidates for each office shall be arranged under the designation of the office as provided in section 1-5-404. The designated election official shall not print, in connection with any name, any title or degree designating the business or profession of the candidate.</p> <p>Whenever candidates are to be voted for only by the eligible electors of a particular district, county, or other political subdivision, the names of those candidates shall not be printed on any ballots other than those provided for use in the district, county, or political subdivision in which those candidates are to be voted on.</p> <p>No printing or distinguishing marks shall be on the ballot except as specifically provided in this code.</p>	CC7-P3-704
Cross Reference 1		Test Date
		9/1/2007
Cross Reference 2		Test End Date/Time
		9/4/2007
Cross Reference 3		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 verify that the voting system allows for setup and labeling of election information as required herein.

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

The voting system application will not rearrange the order of candidates as input by the operator. Additionally eligible electors will only be allowed to see those candidates names that they are entitled to vote on by registration.

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]

Findings

Yes

See video from DB7-P3-710

Acceptable Compensating Controls

Results Summary

The voting system does not meet the requirements.

Final Test Status

FAIL

1st Review

T.B. 5140 p

Printed name _____

2nd Review

Jerome Lantz

Printed name

Supervisor Approval

John Gardner

Printed name

Signature

Signature

9-20-07
Date

Date _____

Signature

Signature

9/20/07
Date

Date _____


Signature

Signature

9/20/02
Date

Data

Additional Observations and Findings

Observations:

See DB7-P3-710 for voting and setup. Although the voting system segregates ballot choices by ballot style which are read by the automark at the insertion of a ballot, the Automark did not properly mark any of the ballots that were used for testing. The testing board was unable to fully complete this test.

Findings:

The voting system does not meet the test requirements.

1st Review

2nd Review

Supervisor Approval

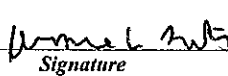

Printed name


Printed name

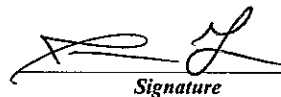
John Gardner
Printed name


Signature

9-20-07
Date


Signature

9/20/07
Date


Signature

9/20/07
Date

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Manufacturer:

ESS

Application Date:

04/03/2007

Test Number

CC7-P3 - 705

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
37.1.4(d)	The voting systems described in the foregoing paragraphs shall produce a record with an audit capacity for such system. (d) The paper record shall be accessible for individuals with disabilities including non-visual accessibility for the blind and visually impaired, in a manner that provides the same opportunity for access and participation (including privacy and independence) as for other voters.	CC7-P3-705
		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 verify that the paper record is accessible for individuals with disabilities in a manner that provides the same opportunity for access, participation, privacy and independence as it does for others.

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 paper record shall be accessible in a similar manner for non-disabled voters to the extent possible for verification.

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]

Voting

CC7-P3 - 705

[illegible]

Anschmuck

Documents
(list all documents)

No ☐

Yes ☐

Videos
(list all videos)

No ☐

Yes ☐

Photos
(list all photos)

No ☐

Yes ☐

Acceptable Compensating Controls

Results Summary

The voting system does not meet the requirements.

Final Test Status

FAIL

1st Review

Geneice Mathews

Printed name


Signature

9-4-07
Date

2nd Review

Michael L. Chadwell
Printed name

Printed name _____

Michael J. Rodwell
Signature

7.05.07
Date

Supervisor Approval

John Gardner

Printed name

Signature

9/13/27
Date

Additional Observations and Findings

Observations:

The official paper record is a printed paper ballot. This is not accessible to voters as necessary, due to the errors discovered in DB7-P3-701. A voter who voted an audio ballot would not have confidence that the ballot is marked correctly based on errors discovered during testing.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

9-4-07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

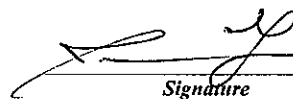
9.05.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/13/07

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

CC7-P3 - 706

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 37.1.4(c)	The voting systems described in the foregoing paragraphs shall produce a record with an audit capacity for such system. (c) The paper record produced under subparagraph (a) shall be available as an official record for any recount conducted with respect to any election in which the system is used.	CC7-P3-706
Cross Reference 1		Test Date 8/30/2007
Cross Reference 2		Test End Date/Time 8/31/2007
Cross Reference 3		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 verify that the paper record produced shall be available as an official record for any recount where the device was used.

Prerequisites:

DB7-P3-701

Test Procedures:

Document findings of processing ballots on the Automark system.

Variances Used During Testing:

N/A


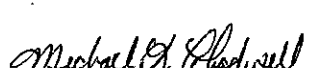
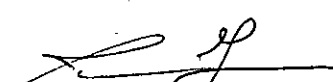
Test Expected Outcome

The paper record produced will be of a material and design that allows it's use during a recount procedure as an official record.

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]

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michael L. Cannon		John Gardner	
Printed name		Printed name		Printed name	
 Signature		 Signature		 Signature	
54-07		9.05.07		9/13/07	
Date		Date		Date	

Additional Observations and Findings

Observations:

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

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

9.4.07

Date

2nd Review

Michael L. Chandler

Printed name



Signature

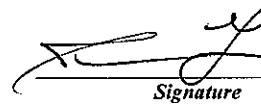
9.05.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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

Test Number

CC7-P3 - 707

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
1-5-611(1)(a); 1-5-615(1)(a)	No nonpunch card electronic voting system shall be purchased, leased, or used unless it fulfills the following requirements: It provides for voting in secrecy.	CC7-P3-707
Gross Reference 1		Test Date
		8/30/2007
Gross Reference 2		Test End Date/Time
		8/31/2007
Gross Reference 3		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 verify that the voting system provides a method for voting in secrecy.

Prerequisites:

N/A

Test Procedures:

Document the privacy protection provided by voting device.

Variances Used During Testing:

N/A

Test Expected Outcome

The voting system must provide for voting in secrecy throughout all stages of voting process.

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 attached photos. The voting device does not provide ample privacy of voting for the voter.

Findings:

The voting device does not provide for secrecy of voting.

1st Review

Geneice Mathews

Printed name



Signature

7-4-07

Date

2nd Review

Michael L. Campbell

Printed name



Signature

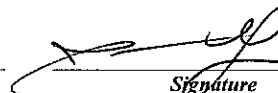
7.05.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

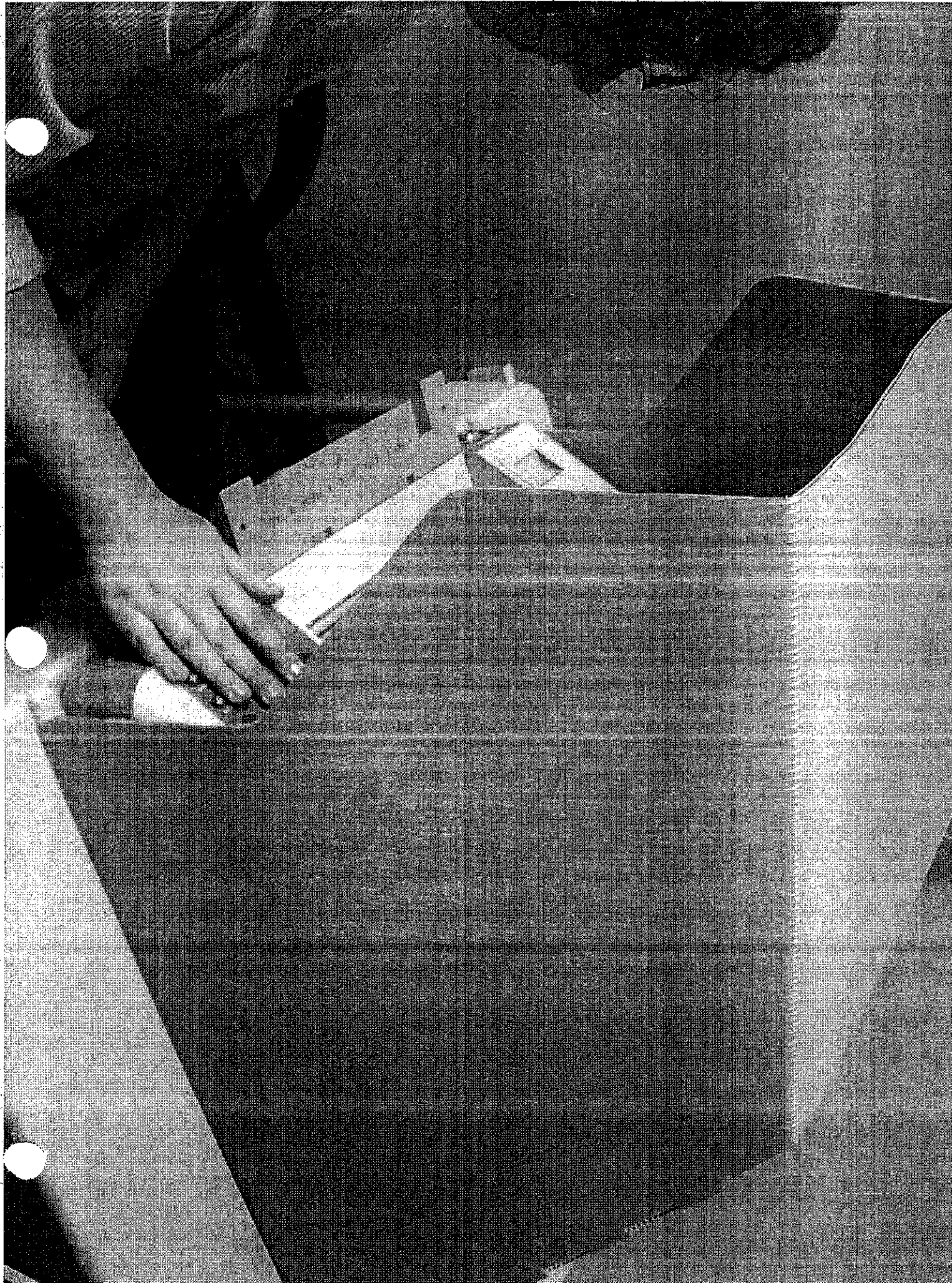
7/14/07

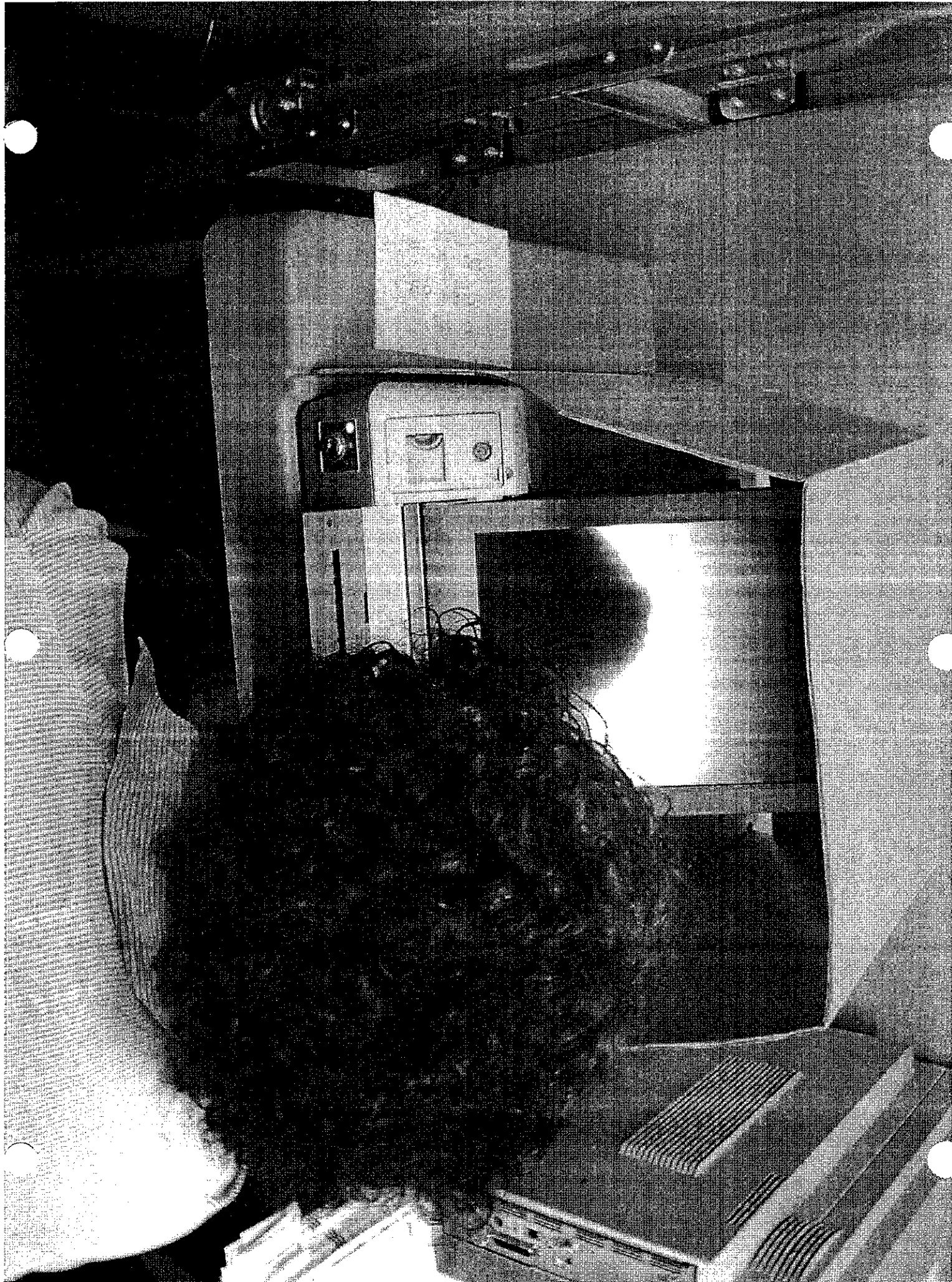
Date

CC7-P3-707

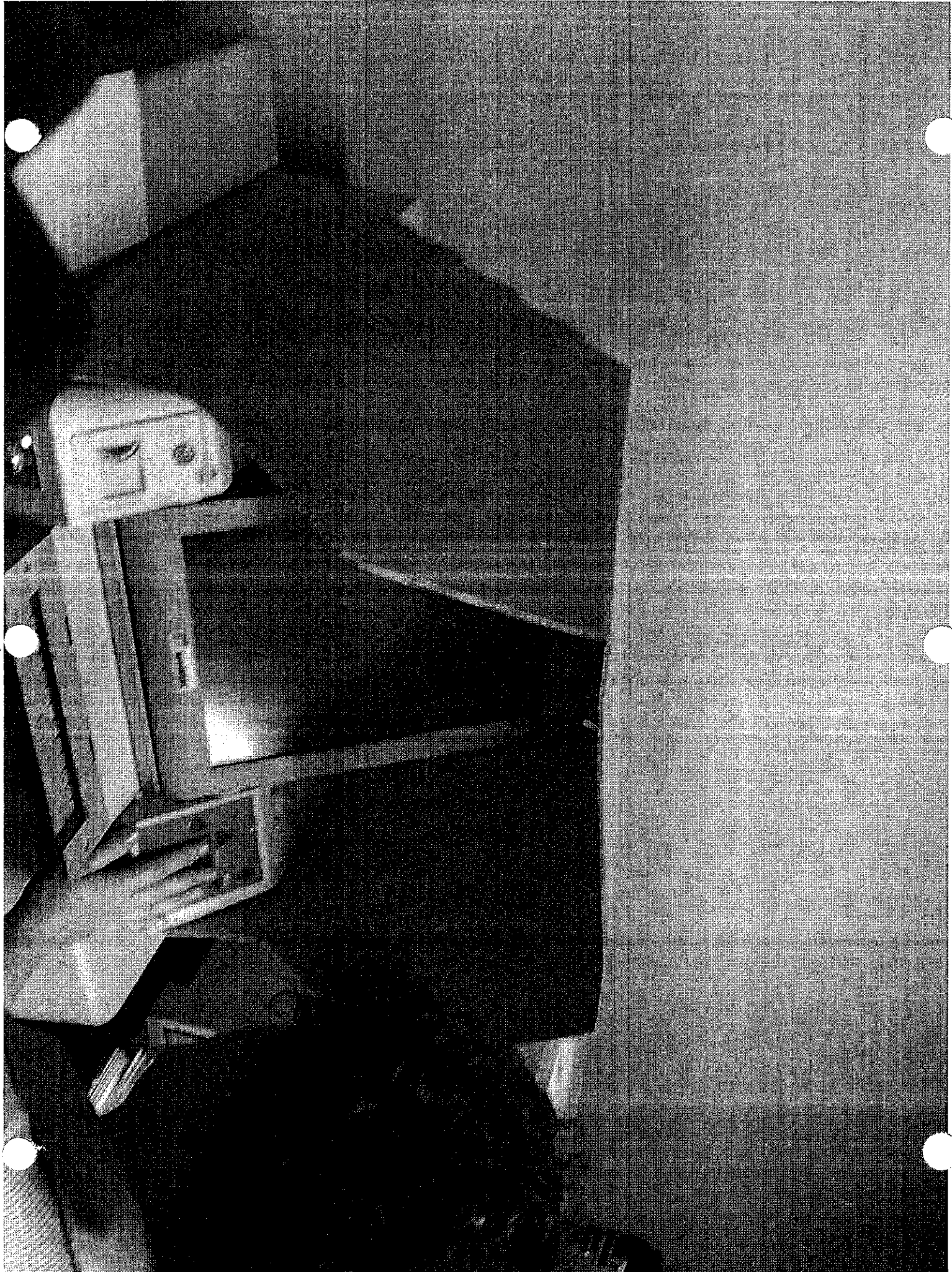
9-4-07

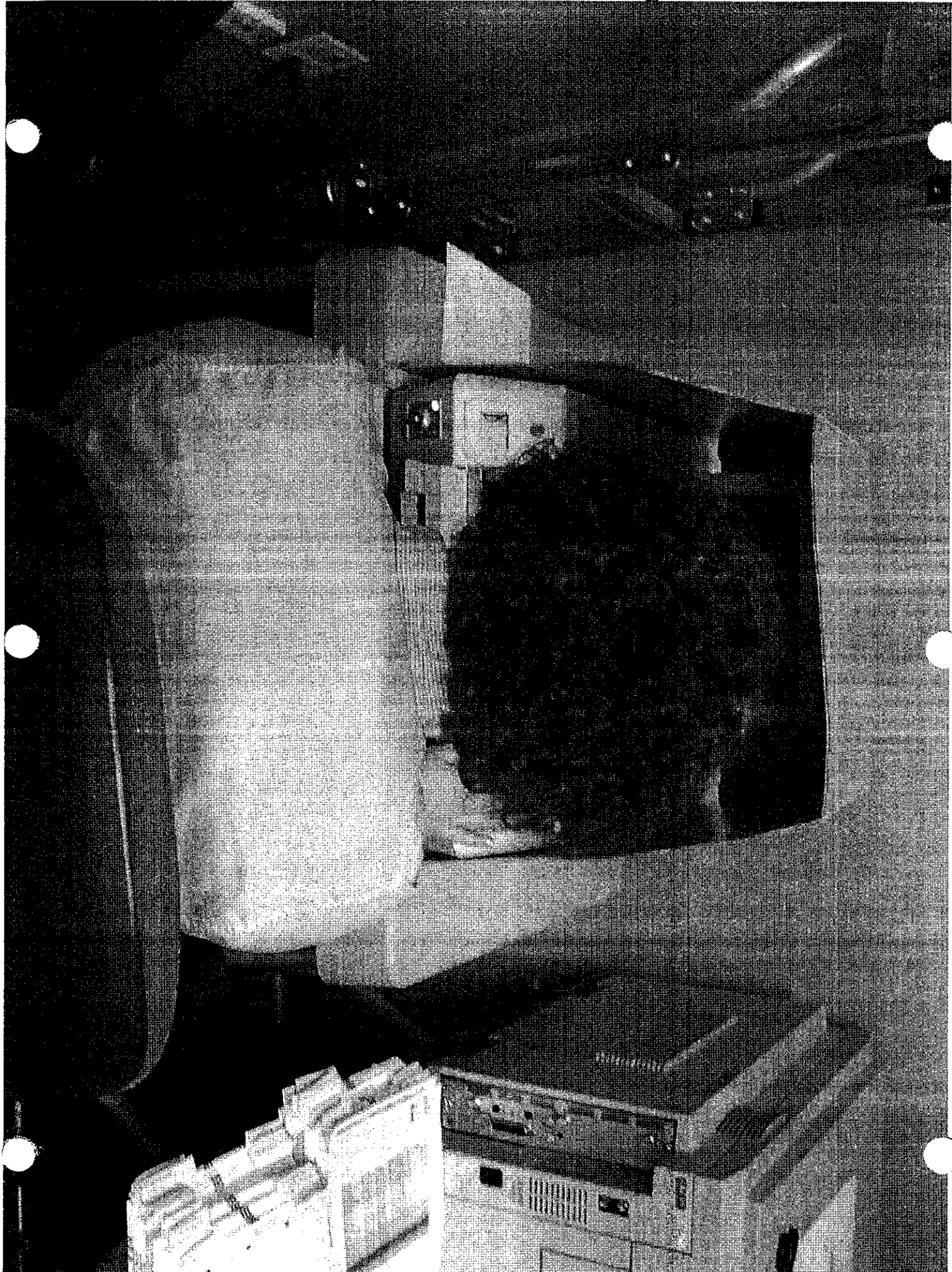
1











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

Manufacturer:

 ESS

Application Date:

04/03/2007

Test Number

CC7-P3 - 708

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 37.1.2(d)	Voting systems (including optical scanning voting systems or direct recording electronic systems) certified by the secretary of state and acquired, purchased or leased by counties pursuant to state law shall: (d) Ensure that any notification required under this paragraph preserves the privacy of the vote and the confidentiality of the ballot.	CC7-P3-708
		Test Date 8/30/2007
		Test End Date/Time 8/31/2007
Cross Reference 1		Test Type (D/A/B) Functional
		Eq Type Amark
Cross Reference 2		Equipment Model Automark
		Serial number AMO206450782
Cross Reference 3		Manufacturer ES & S

Purpose:

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

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 elector will be notified in a private and independant manner of the electors selection to overvote before casting the ballot.

Test Log

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

[illegible]

Continue to next
page...

Additional Observations and Findings

Observations:

See photo attached to CE7-P3-724. The voting system does not provide privacy to meet this requirement.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

9.4.07
Date

2nd Review

Michael L. Campbell

Printed name



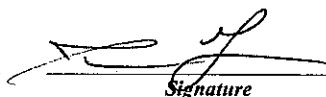
Signature

9.05.07
Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07
Date

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Secretary of State

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

Test Number

CC7-P3 - 709

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.5.2.1.2(b); 1-5-407(9)	The Voting system shall provide for appropriately authorized operators to setup and prepare ballots for an election. If a referred measure, including but not limited to a measure referred by the school board of a multicounty school district or the board of directors of a multicounty special district to the registered electors of the school district or special district, is referred to registered electors of multiple counties, the alphabetical, numerical, or alphanumerical designation used to identify the measure shall be identical on each ballot that includes the measure.	CC7-P3-709
Cross Reference 1		Test Date
		9/1/2007
Cross Reference 2		Test End Date/Time
		9/4/2007
Cross Reference 3		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 verify that the voting system allows for setup and labeling of election information as required herein.

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

The voting system shall allow for the labeling of special and/or school districts by either alpha, numerical or both as a designation.

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]

References

No ☐

Yes ☐

No ☐

Yes ☒

No ☐

Yes ☒

See photos attached to CE7-P3-710.

Acceptable Compensating Controls

Results Summary

Final Test Status

The voting system does not meet the requirements.

FAIL

1st Review

2nd Review

Supervisor Approval

Geneice Mathews

Michael H. Chadwell

John Gardner

Printed name

Printed name _____

Printed name

Signature

Date _____

Signature

Date _____

Signature

Date _____

Additional Observations and Findings

Observations:

See photos attached to CE7-P3-710. The voting system does not include the Alpha/numeric headings on the races as required. For ballot issues, only the text of the issue has been provided.

See attached photos - headers are not consistent across all ballots. Presentation not consistent.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name


Signature

9-5-07
Date

2nd Review

Michael L. Chodwell

Printed name


Signature

9.12.07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/14/07
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

CC7-P3 - 710

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 37.1.2(b)	Voting systems (including optical scanning voting systems or direct recording electronic systems) certified by the secretary of state and acquired, purchased or leased by counties pursuant to state law shall: (b) provide the voter with the opportunity (in a private and independent manner) to change the ballot or correct any error before the ballot is cast and counted (including the opportunity to correct the error through the issuance of a replacement ballot if the voter was otherwise unable to change the ballot or correct any error).	CC7-P3-710
Cross Reference 1		Test Date 8/30/2007
Cross Reference 2		Test End Date/Time 8/31/2007
Cross Reference 3		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 verify that the voting device will allow the voter to change and correct a ballot as required herein.

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 elector will be able to change in a private and independant manner the electors selections before casting the ballot.

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 photo attached to CE7-P3-724. The voting system does not provide privacy to meet this requirement.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

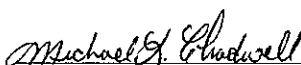
9-4-07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

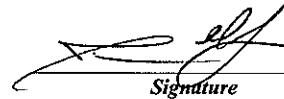
9-05-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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

CC7-P3 - 711

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 37.1.2(a)	Voting systems (including optical scanning voting systems or direct recording electronic systems) certified by the secretary of state and acquired, purchased or leased by counties pursuant to state law shall: (a) permit the voter to verify (in a private and independent manner) the votes selected by the voter on the ballot before the ballot is cast and counted;	CC7-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 Amark
Cross Reference 2		Equipment Model Automark
		Serial number AMO206450782
Cross Reference 3		Manufacturer ES & S

<p><u>Purpose:</u></p> <p>The purpose of this test is to verify that the voter can verify the votes selected by the voter, privately and independently, before the ballot is cast and counted.</p>	<p><u>Prerequisites:</u></p> <p>DB7-P3-701</p>
<p><u>Test Procedures:</u></p> <p>Document findings of processing ballots on the Automark system.</p>	<p><u>Variances Used During Testing:</u></p> <p>N/A</p>
<p><u>Test Expected Outcome:</u></p> <p>The elector will be able to verify in a private and independant manner the electors selections before casting the ballot.</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]

Created by the Colorado Secretary of State's Office

Additional Observations and Findings

Observations:

See photo attached to CE7-P3-724. The voting system does not provide privacy to meet this requirement.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

9-4-07

Date

2nd Review

Michael H. Chadwell

Printed name



Signature

9-05-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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>
CC7-P3 - 712

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
10.3	If there is no candidate on the ballot for any particular office, the ballot shall read, "No candidate for this office."	CC7-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
		AMO206450782
		Manufacturer
		ES & S
Cross Reference 1		
Cross Reference 2		
Cross Reference 3		

Purpose:

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

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 is capable of printing exact words of "No candidate for this office" in situations where no candidates are available. This will be evident in the Software Management, Paper Ballots, on screen for DRE/Accessible units, and audio components.

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 type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Videos (list all videos)
Deck ESS-1PA			

Photos (list all photos)	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Attached		

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		9-05-07		9/14/07	
Date		Date		Date	

Additional Observations and Findings

Observations:

The voting system provider supplied ballots with the proper wording "No Candidate for this office" as required (see deck ESS-1PA); however the errors of the ballots and programming was so grievous that the testing board was unable to conduct the testing for this requirement. See notes on DB7-P3-701.

Findings:

The voting system provider did not supply accurate ballots for conducting this test.

1st Review

Geneice Mathews

Printed name



Signature

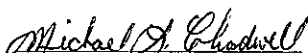
8.31.07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9.05.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

Date

CC7-P3-712
8-31-07

Edit Candidate Information [X]

Candidate Information | Additional Information

Last Name		First Name & Middle Initial		First
ARE NO CANDIDATES FOR THIS OFFICE				Prev
Full Name				Next
THERE ARE NO CANDIDATES FOR THIS OFFICE				Last
Office				
STATE SENATOR V:1 T:4 - 300				
District or Precinct				
DISTRICT 19				
Rel Pos	Party	Candidate #		
01	DEMOCRAT			
Alternate ID				
Additional Parties/Locations...				

OK Cancel

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

CC7-P3 - 713

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
10.1	The text of all ballot issues that are subject to Article X, Section 20 shall be printed in all capital letters. The names of all candidates and all other ballot issues and questions shall be printed in upper and lower case.	CC7-P3-713
		<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>
		AMO206450782
<i>Cross Reference 3</i>		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that all Article X, Section 20 races (TABOR) can be printed in all capital letters on the ballot, while all other races are in upper and lower case.

Prerequisites:

DB7-P3-710

Test Procedures:

Use test setup and voting from DB7-P3-710.
Document findings of the device.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system is capable of producing text in all capital letters as well as upper and lower case. Text produced is evident in printed ballots, V-VPAT records where applicable, DRE text on-screen, and in the software programming.

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

[illegible]

Test Number

CC7-P3 - 713

[illegible]

Abstracts

No

☒

Yes ☐

9

DB7-P3-710

No ☐☐

Yes ☒

4

See Attached.

No ☐

□

Yes ☒

☒

Acceptable Compensating Controls

Results Summary

Final Test Status

The voting system does not meet the requirement.

FAIL

1st Review

2nd Review

Supervisor Approval

T. B. Shop
Printed name

Jerome Lowth
Printed name


John Gardner
Printed name

Signature

9-20-07
Date

Signature

9/20/57
Date


Signature

9/25/08
Date

Additional Observations and Findings

Observations:

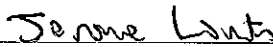
See attached photos, and detail video record from DB7-P3-710. The voting system displays both upper and lower case text and text that is all caps for ballot text; however, the errors of the ballots and programming were so grievous that the testing board was unable to conduct the testing for this requirement. See also notes on DB7-P3-701.

Findings:

The voting system does not meet the test requirements.

1st Review2nd ReviewSupervisor Approval

Printed name



Printed name

John Gardner

Printed name



Signature

9-20-07

Date



Signature

9/20/07

Date



Signature

9/20/07

Date



ES&S
AutoMARK

SHALL THE COUNTY BE PERMITTED TO EXPEND REVENUES ABOVE THE 2005 FISCAL YEAR SPENDING LIMITATION MANDATED BY ARTICLE V, SECTION 20 OF THE COLORADO CONSTITUTION, THE AMOUNT BEING UP TO \$3,300,000, WITH THE EXCESS REVENUE BEING SHARED WITH THE CITIES AND TOWNS WITH THE COUNTY IN THE SAME MANNER AS THE COUNTY SHARES WITH ROAD AND BRIDGE PROPERTY TAX REVENUE, AND WITH THE COUNTY RETAINED PORTION BEING USED FOR THE PURPOSE OF ROAD, BRIDGE AND DRAINAGE PROJECTS APPROVED BY THE COUNTY BOARD OF COMMISSIONERS?

<input type="radio"/>	YES
<input type="radio"/>	NO

BACK

ADMIN/NOT

EXIT RETURN BALLOT

HIGH CONTRAST C

NEXT



ES&S
AutoMARK

If approved, the County shall be authorized to mail only one set of TABOR election notices per TABOR election to each mailing address of one or more registered electors. In general for unduplicated electors, the TABOR election notice shall generally be forwarded to the County clerk to be mailed with those TABOR notices from other jurisdictions. In the next election, the County shall mail one notice or set of TABOR election notices to each address of one or more registered electors. By making only one set of TABOR election notices, instead of two now required due to different jurisdictions set forth in the County Charter and Colorado Constitution, the County shall save approximately \$30,000 per TABOR election.



YES



NO

BACK

TURN IN/OUT

EXIT RETURN EMPTY

HIGH CONTRAST

NEXT

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

CC7-P3 - 714

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
37.1.4(b)	The voting systems described in the foregoing paragraphs shall produce a record with an audit capacity for such system. (b) The voting system shall provide the voter with an opportunity to change the ballot or correct any error before the permanent paper record is produced.	CC7-P3-714
		Test Date
		9/1/2007
		Test End Date/Time
		9/4/2007
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 verify that the voting system provides an opportunity for a voter to change or correct the ballot before the permanent paper record is produced.

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

The elector will be able to change or correct a ballot in a private and independant manner the electors selections before casting the ballot and creating the permanent paper record.

Test Log

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

[illegible]

Additional Observations and Findings

Observations:

See attached photos, and video from DB7-P3-710. The voting system provides a review screen to the voter allowing them to change the vote prior to the ballot being marked; however, the errors of the ballot marking were so grievous that the testing board was unable to successfully have ballots that were marked according to the review screen by the voter.

Findings:

The voting system does not meet the test requirements.

1st Review2nd ReviewSupervisor Approval

T. B. 5407
Printed name

Seanne Lantz
Printed name

John Gardner
Printed name

[Signature]
Signature

9/20/07
Date

[Signature]
Signature

9/20/07
Date

[Signature]
Signature

9/20/07
Date

CC7-P3-714



Summary of Selections

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

ES&S
Ann Arbor, MI

SHALL CITY TAXES BE INCREASED TO \$26.975 PER \$1000 OF ASSESSED VALUE?

• YES

• NO

SHALL CITY TAXES BE INCREASED TO \$26.975 PER \$1000 OF ASSESSED VALUE?

• YES

• NO

SHALL CITY TAXES BE INCREASED TO \$26.975 PER \$1000 OF ASSESSED VALUE?

• YES

• NO

CITIZEN INITIATED ORDINANCE NO. 1, 20...

• YES

• NO

Shall Ordinance #42, Series of 2003, ...

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:

[REDACTED] ESS

Application Date:

04/03/2007

Test Number

CC7-P3 - 715

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
1-5-615(1)(h); 45.6.2.3.14(c)	No electronic or electromechanical voting system shall be certified by the secretary of state unless such system: In a primary election, permits each elector to vote only for a candidate seeking nomination by the political party with which the elector is affiliated.	CC7-P3-715
Cross Reference 1		Test Date
		8/30/2007
Cross Reference 2		Test End Date/Time
		8/31/2007
Cross Reference 3		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 verify that in a primary election a voter is allowed to vote only for races within a political party.

Prerequisites:

DB7-P3-701

Test Procedures:

Document findings of processing ballots on the Automark system.

Variances Used During Testing:

N/A

Test Expected Outcome

In a primary election, permits each elector to vote only for a candidate seeking nomination by the political party with which the elector is affiliated.

Test! Love

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

[illegible]

Additional Observations and Findings

Observations:

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

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

9.4.07

Date

2nd Review

Michael L. Crowell

Printed name



Signature

9.05.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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

CC7-P3 - 716

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 1-5-615(1)(i); 45.6.2.3.14(b)	No electronic or electromechanical voting system shall be certified by the secretary of state unless such system: In a presidential election, permits each elector to vote by a single operation for all presidential electors of a pair of candidates for president and vice president.	CC7-P3-716
		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 voting system allows voters in a presidential election to select by single operation a pair of electors when necessary.

Prerequisites:

DB7-P3-701

Test Procedures:

Document findings of processing ballots on the Automark system.

Variances Used During Testing:

N/A

Test Expected Outcome

In a presidential election, permits each elector to vote by a single selection for all presidential electors by selection of a pair of candidates for president and vice president. Functional testing includes candidate pairs.

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
(list all documents)

No ☐

Yes ☐

Videos
(list all videos)

No ☐

Yes ☒

Photos
(list all photos)

No ☐

Yes ☐

DB7-P3-701

Acceptable Compensating Controls

Results Summary

The voting system does not meet the requirements.

Final Test Status

FAIL

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. Chodwren

Printed name

Supervisor Approval

John Gardner

Printed name

[Signature]
Signature

9.4.07
Date

Michael A. Chadwell
Signature

9.05.07
Date


Signature

9/14/20
Date

Additional Observations and Findings

Observations:

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

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name

2nd Review

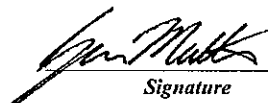
Michael L. Chadwell

Printed name

Supervisor Approval

John Gardner

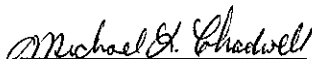
Printed name



Signature

3-4-07

Date



Signature

9.05.07

Date



Signature

9/14/07

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

CC7-P3 - 717

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 1-5-615(1)(i)	No electronic or electromechanical voting system shall be certified by the secretary of state unless such system: Does not use a device for the piercing of ballots by the elector.	CC7-P3-717
		Test Date 8/30/2007
		Test End Date/Time 8/31/2007
Cross Reference 1		Test Type (D/F/E) Functional
		Eq Type Amark
Cross Reference 2		Equipment Model Automark
		Serial number AMO206450782
Cross Reference 3		Manufacturer ES & S

Purpose:

The purpose of this test is to verify that the system will not require a device for piercing the ballots.

Prerequisites:

Instructions to voting system vendors.

Test Procedures:

Document findings of processing ballots on the Automark system.

Variances Used During Testing:

N/A

Test Expected Outcome

Ballots will not be pierced for 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:

The automark system is a ballot marking device that uses a touchscreen or other accessible switch functions for voting, selecting and casting ballots. The requirement to pierce a ballot does not exist with this system.

Findings:

The voting system meets the test requirements.

1st Review

Geneice Mathews

Printed name



Signature


9-4-07

Date

2nd Review

Michael L. Cunningham

Printed name



Signature

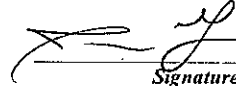
9-05-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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

CC7-P3 - 718

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Rule or Statute 1-5-615(1)(k)	2007-CDOS-ESS-001-0403	Test Number CC7-P3-718
	No electronic or electromechanical voting system shall be certified by the secretary of state unless such system: Provides a method for write-in voting.	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

Purpose:

The purpose of this test is to verify that the voting system allows for a method of write-in voting.

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 will provide a method for write-in voting on both paper ballots and DRE.

Test Log

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

[illegible]

Additional Observations and Findings

Observations:

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

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

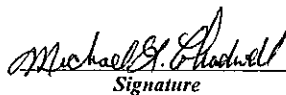
Printed name


Signature

9-4-07
Date

2nd Review

Michael L. Charnell
Printed name


Signature

9.05.07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/14/07
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: **[REDACTED] ESS**

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

Test Number

CC7-P3 - 719

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.11	Ballot design shall cover the scope of allowable designs for the given system. For example, if a system is capable of producing 11" and 18" ballots, then both ballot styles shall be tested in each of the elections above. If more sizes are available, they shall also be tested. Ballots must be designed and presented with a maximum of four (4) columns and a minimum of one (1) column.	CC7-P3-719
		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 verify that the voting system provider has provided ballots in all formats possible by the system each type of ballot shall be presented for testing.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document ballots received and provide information on testing all styles/types of ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

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

The test log shall contain procedural steps used to conduct and evaluate the tests. At a minimum, these procedural steps shall include any items related to the setup, start, process, measurements, shut down, 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

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		9.05.07		9/14/07
Signature	Date	Signature	Date	Signature	Date

Additional Observations and Findings

Observations:

The voting system provider did not supply the necessary ballots to conduct all of the tests required.

Findings:

The voting system provider failed to supply the necessary ballots to conduct this test.

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. Goodwell

Printed name

Supervisor Approval

John Gardner

Printed name



Signature

8/31/07

Date



Signature

9/05/07

Date



Signature

9/14/07

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: *Sequoia*

Application Date: *04/03/2007*

Test Number

CC7-P3 - 720

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.14(d)	Ballots shall include the following minimum race situations to simulate and test "real world" situations in the State of Colorado: In a general election, allow a voter to vote for any candidate for any office, in the number of positions allowed for the office, and to select any measure on the ballot that the candidate is allowed to vote in, regardless of party.	CC7-P3-720
		<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>En Type</i>
		Amark
<i>Cross Reference 2</i>		<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 verify that the printing of the ballots shall make allowances for a voter to vote any question, race, office or issue that they are allowed to regardless of party.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document ballots received by vendor. Process voting on ballots according to predetermined outcome by testing board. Document results and all findings.

Variances Used During Testing:

N/A

Test Expected Outcome

In general election mode, voting system allows voter to cast a vote for any candidate in any of the positions allowed regardless of party affiliation.

[illegible]

Appendix 1

No ☐

Yes ☒

Reference DB2-P3-204

No ☐

Yes ☐

No ☐

Yes ☒

Ref DB2-P3-204

Acceptable Compensating Controls

Results Summary

Final Test Status

The voting system does not meet the requirements.

FAIL

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. Conrad

Printed name

Supervisor Approval

John Gardner

Printed name

Signature

Date _____

Signature

Date _____

Signature

Dar

Additional Observations and Findings

Observations:

See notes on DB2-P3-204 regarding the state of the ballots and programming by the voting system provider. The errors in ballots were so grievous that the testing board could not successfully conduct this test.

Findings:

The voting system provider did not provide ballots with accurate layouts to conduct this test.

1st Review

Geneice Mathews

Printed name



Signature

8.31.07

Date

2nd Review

Michael L. Charnell

Printed name



Signature

9.05.07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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

CC7-P3 - 721

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.5.2.3.21(a)	The voting system shall provide capabilities to enforce confidentiality of voters' ballot choices. All optical scan devices, associated ballot boxes and V-VPAT storage devices shall provide physical locks and procedures to prevent disclosure of voters' confidential ballot choices during and after the vote casting operation.	CC7-P3-721
		<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>Cross Reference 2</i>		<i>Eq Type</i>
		Amark
<i>Cross Reference 3</i>		<i>Equipment Model</i>
		Automark
		<i>Serial number</i>
		AMO206540782
		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that the voting device shall contain physical locks and abilities to seal the machine to provide protection of a voters' confidential ballot choices as required herein.

Prerequisites:

CA7-P3-703, CA7-P3-710.

Test Procedures:

See notes and procedures from the prerequisite tests.

Variances Used During Testing:

N/A

Test Expected Outcome

Voting system components are capable of physical security measures. Document procedures necessary (rules may currently address) to protect privacy.

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]

They have

[illegible]

Announcements

No

7

No

☒

1

No

☒

1

Acceptable Compensating Controls

Results Summary

The voting system does not meet the requirements.

Final Test Status

FAIL

1st Review

Geneice Mathews

Printed name

2nd Review

Michael L. Chadwell

Printed name

Supervisor Approval

John Gardner

Printed name


Signature

Signature

9-6-07
Date

Date _____

Michael G. Phadnol
Signature

Signature

9.08.07
Date

Date _____

Signature

Date

Additional Observations and Findings

Observations:

The voting system does not provide adequate security measures. The voting system does contain locks and seals to protect memory cards, but the secrecy sleeve used to protect a sight disabled voter does reveal ballot choices to an election judge or other observer.

Findings:

The voting system does not meet the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

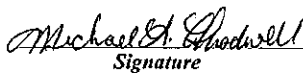
9.6.07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9.08.07

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

CC7-P3 - 722

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.14(e)	Ballots shall include the following minimum race situations to simulate and test "real world" situations in the State of Colorado: Allow for programming to accommodate Colorado recall questions as prescribed in Article 12 of Title 1, C.R.S.;	CC7-P3-722
		Test Date
		9/4/2007
		Test End Date/Time
		9/5/2007
Cross Reference 1		Test Type (D.F.B)
		Functional
		Eq Type
		Amark
Cross Reference 2		Equipment Model
	Automark	
	Serial Number	
Cross Reference 3		AMO 20645072
		Manufacturer
		ES & S

<p><u>Purpose:</u></p> <p>The purpose of this test is to verify that ballots are printed and tested with programming to accommodate the Colorado recall question.</p>	<p><u>Prerequisites:</u></p> <p>DB7-P3-710</p>
<p><u>Test Procedures:</u></p> <p>See notes on DB7-P3-710 for setup and voting. Document findings while using the recall election setup.</p>	<p><u>Variances Used During Testing:</u></p> <p>N/A</p>
<p><u>Test Expected Outcome</u></p> <p>The voting system shall be capable of functionally conducting a recall election as prescribed.</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.


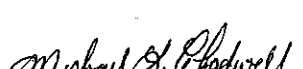

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[illegible]

Hunch results								
Documents (list all documents)	No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	Videos (list all videos)	No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Photos (list all photos)	No <input type="checkbox"/>	Yes <input type="checkbox"/>
			See video from DB7-P3-710					

Acceptable Compensating Controls

Results Summary		Final Test Status
The voting system failed to meet the requirements.		FAIL

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michelle L. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
 Signature		 Signature		 Signature	
9-6-07 Date		9.08.07 Date		9/14/07 Date	

Additional Observations and Findings

Observations:

See notes on DB7-P3-710. The testing board felt that the failure of the automark during testing with the coordinated ballots was so grievous that the testing of additional voting scenarios should not continue.

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. Chowell
Printed name


Signature

9/08/07
Date

Supervisor Approval

John Gardner

Printed name


Signature

9/14/07
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

CC7-P3 - 723

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.13	Ballots shall include candidates to represent the maximum number of political parties in the State of Colorado, and shall accommodate all qualified political parties and political organizations.	CC7-P3-723
		<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>Cross Reference 2</i>		<i>Eq Type</i>
		Amark
<i>Cross Reference 3</i>		<i>Equipment Model</i>
		Automark
		<i>Serial number</i>
		N/A
		<i>Manufacturer</i>
		ES & S

Purpose:

The purpose of this test is to verify that ballots are printed with a representation of all qualified political parties in Colorado.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document ballots received and provide information on testing all styles/types of ballots.

Variances Used During Testing:






N/A

Test Expected Outcome

Ballot design allows for all major and minor political parties.

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...

 _____ Printed name	 _____ Printed name	John Gardner _____ Printed name
 _____ Signature	9-20-07 _____ Date	 _____ Signature
	9/20/07 _____ Date	 _____ Signature
		9/20/07 _____ Date

Additional Observations and Findings

Observations:

See attached photos. The voting system provider supplied ballots meeting the requirements. Deck ESS-1CO, and ESS-1CA has county commissioner district 1 race with the required candidates. The testing board was unable to successfully vote and mark the ballots on the Automark device due to errors with the programming in the coordinated ballots.

Findings:

The voting system failed to meet the test requirements.

1st Review

T. Bishop
Printed name

T. Bishop
Signature

9-20-07
Date

2nd Review

Jessie Lantz
Printed name

Jessie Lantz
Signature

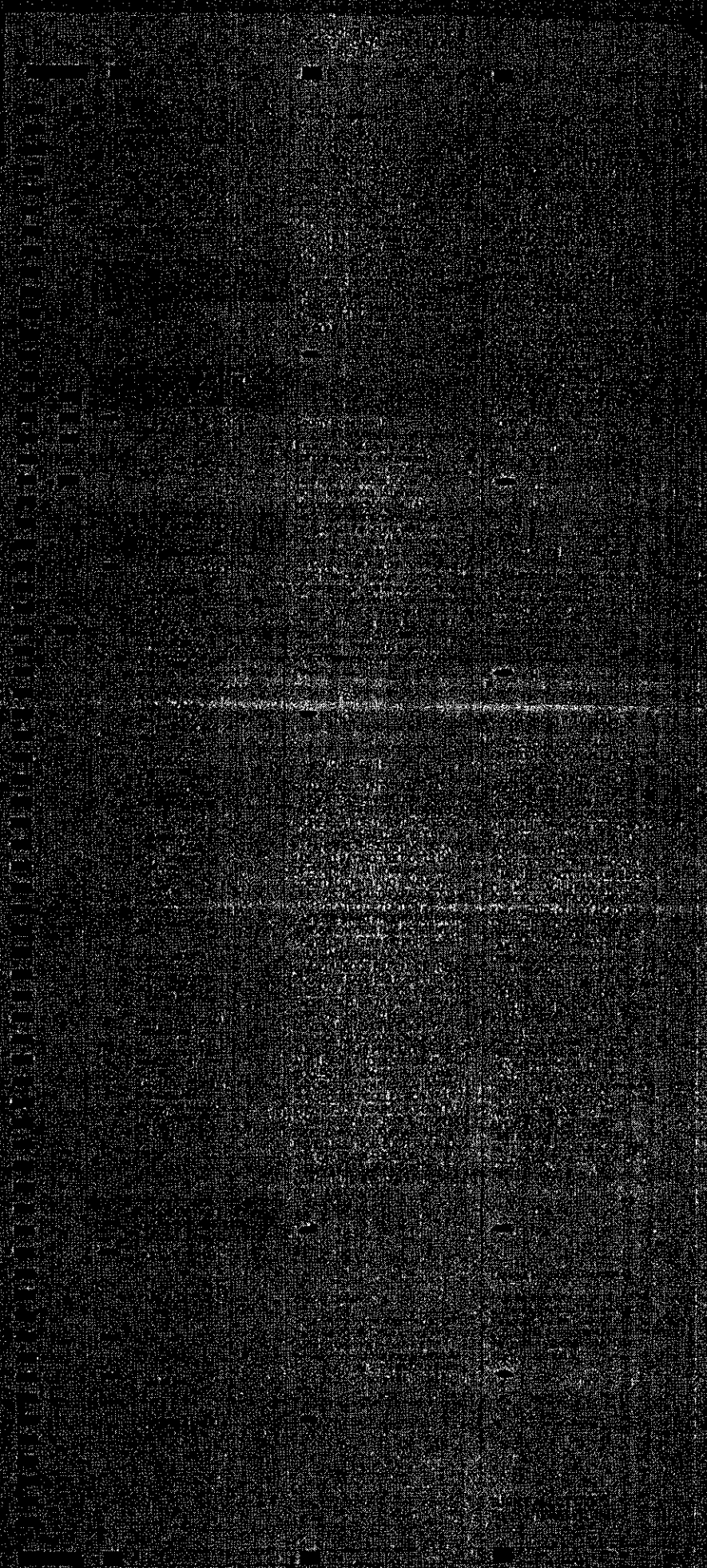
9/20/07
Date

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: ~~ESS~~ ESS

Application Date: 04/03/2007

Test Number

CC7-P3 - 724

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<i>Rule or Statute</i>	2007-CDOS-ESS-001-0403	<i>Test Number</i>
45.6.2.3.14(g)	Ballots shall include the following minimum race situations to simulate and test "real world" situations in the State of Colorado: Ability to contain a ballot question or issue of at least 200 words.	CC7-P3-724
		<i>Test Date</i>
		8/30/2007
		<i>Test End Date/Time</i>
		8/31/2007
<i>Gross Reference 1</i>		<i>Test Type (D,F,B)</i>
		Functional
		<i>Eq Type</i>
<i>Gross Reference 2</i>		Amark
		<i>Equipment Model</i>
		Automark
<i>Gross 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 printed and tested with a ballot question or issue with at least 200 words.

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document ballots received and provide information on testing all styles/types of ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Ballot capable of displaying a question of at least 200 words.

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.



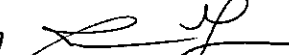
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page...

[illegible]

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

Acceptable Compensating Controls

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

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michael H. Chadwell		John Gardner	
Printed name		Printed name		Printed name	
	8.31.07		9.05.07		9/14/07
Signature	Date	Signature	Date	Signature	Date

Additional Observations and Findings

Observations:

The voting system vendor did not supply the appropriate programming and ballots to conduct the testing for this requirement. Although ballots were printed with 200 words or greater on them as required, the programming errors for the layout of the ballots were so grievous that the testing board was unable to perform functional testing with the ballots.

Findings:

The voting system provider did not provide ballots to test this requirement.

1st Review

Geneice Mathews

Printed name



Signature


8-31-07

Date

2nd Review

Michael L. Chadwell

Printed name



Signature

9-05-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

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: ~~XXXX~~ ESS

Application Date: 04/03/2007

Test Number

CC7-P3 - 725

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Rule or Statute	2007-CDOS-ESS-001-0403	Test Number
45.6.2.3.14(f)	Ballots shall include the following minimum race situations to simulate and test "real world" situations in the State of Colorado: A minimum of 20 pairs of "yes" and "no" positions for voting on ballot issues.	CC7-P3-725
		Test Date
		8/30/2007
		Test End Date/Time
		8/31/2007
		Test Type (D/F/B)
		Functional
Cross Reference 1		Eq Type
		Amark
Cross Reference 2		Equipment Model
		Automark
Cross Reference 3		Serial Number
		N/A
		Manufacturer
		ES & S

Purpose:

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

Prerequisites:

Instructions for voting system vendors.

Test Procedures:

Document ballots received and provide information on testing all styles/types of ballots.

Variances Used During Testing:

N/A

Test Expected Outcome

Ballot allows a minimum of 20 pairs of yes/no positions.

News 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]

Abstract

Documents
(list all documents)

No

☒

~~Page~~

☐

Videos
(list all videos)

No

☒

Yes ☐

Photos
(list all photos)

No

☒

Yes ☐

Acceptable Compensating Controls

Results Summary

The voting system does not meet the requirements.

Final Test Status

FAIL

1st Review

Geneice Mathews

Printed name _____

2nd Review

Michael L. Chadwick

Printed name

Supervisor Approval _____

John Gardner

Printed name


Signature

Signature

83107

Date _____

Michael G. Phadell 9.05.07
Signature Date

Signature

9.05.07

Date _____


Signature

Signature

9/14/07

Date _____

Additional Observations and Findings

Observations:

The voting system vendor did not supply the appropriate programming and ballots to conduct the testing for this requirement.

Findings:

The voting system provider did not supply the appropriate programming and ballots to accomplish this test.

1st Review

Geneice Mathews

Printed name



Signature

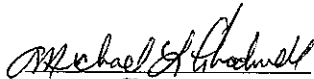
8-31-07

Date

2nd Review

Michael L. Conrad

Printed name



Signature


9-05-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/14/07

Date