

**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>
BD1-P3 - 101

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(ii)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All non-voting data stored shall be authenticated, validated and encrypted in accordance with cryptography requirements of subsection (c)(vi) of this requirement;	BD1-P3-101
		<b>Test Date</b>
		9/6/07
		<b>Test End Date/Time</b>
		9/6/07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		DRE
<b>Cross Reference 2</b>		<b>Equipment Model</b>
	iVotronic	
	<b>Serial number</b>	
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

**Test Procedure Specification**

**Purpose:**

The Purpose of this test is to:

**Prerequisites:**

N/A

**Test Procedures:**

This rule section is Not Applicable until after 3/31/2008

N/A

**Variances Used During Testing:**

N/A until after 3/31/2008

**Test Expected Outcome:**

## 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]

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
This test is not applicable	N/A

<b><u>1st Review</u></b>	<b><u>2nd Review</u></b>	<b><u>Supervisor Approval</u></b>
G. Mathews Printed name	M. C. L. Chomura Printed name	JSH GARDNER Printed name
[Signature] Signature	Michael H. Powell Signature	[Signature] Signature
9-7-07 Date	9-8-07 Date	9/12/07 Date

## Additional Observations and Findings

**Observations:**

N/A

**Findings:**

N/A

1st Review

G. Mathews  
Printed name

  
Signature

5-7-07  
Date

2nd Review

Michael L. Chidwell  
Printed name

  
Signature

9-10-07  
Date

Supervisor Approval

John Gonzalez  
Printed name

  
Signature

9/12/07  
Date

**State of Colorado**  
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*CDOS Certification Number:* **2007-CDOS-ESS-001-0403**

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

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

*Test Number*

BD1-P3 - 102

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(l)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All voting data stored which includes vote records, ballot images, tally data and cast votes, shall be authenticated and validated in accordance with cryptography requirements of subsection (c)(vii) of this requirement;	BD1-P3-102
		<b>Test Date</b>
		9/6/07
		<b>Test End Date/Time</b>
		9/6/07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		DRE
<b>Cross Reference 2</b>		<b>Equipment Model</b>
	iVotronic	
	<b>Serial number</b>	
<b>Cross Reference 3</b>	<b>Manufacturer</b>	
	ES & S	

<b>Test Procedure Specification</b>	
<b><u>Purpose:</u></b> The Purpose of this test is to:	<b><u>Prerequisites:</u></b> N/A
<b><u>Test Procedures:</u></b> This rule section is Not Applicable until after 3/31/2008 N/A	<b><u>Variances Used During Testing:</u></b>
<b><u>Test Expected Outcome:</u></b> N/A until after 3/31/2008	

*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:**

N/A

**Findings:**

N/A

1st Review

G. Mathews  
Printed name

2nd Review

Michael L. Chadwell  
Printed name

Supervisor Approval

John Gordon  
Printed name

  
Signature

Date

  
Signature

9.10.07  
Date

  
Signature

9/12/07  
Date

State of Colorado  
Department of State  
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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*

BD1-P3 - 103

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<i>Rule or Statute</i>	<b>2007-CDOS-ESS-001-0403</b>	<i>Test Number</i>
45.5.2.5.5	If a vote tabulation device employs the use of removable memory storage devices, the devices shall allow for an alternate method of transfer of audit records if the device and/or memory storage device is damaged or destroyed.	BD1-P3-103
		<i>Test Date</i>
		9/7/2007
		<i>Test End Date/Time</i>
		9/8/2007
<i>Cross Reference 1</i>		<i>Test Type (D.F.B)</i>
		Functional
		<i>Eq Type</i>
<i>Cross Reference 2</i>		DRE
		<i>Equipment Model</i>
		iVotronic
<i>Cross Reference 3</i>		<i>Serial Number</i>
		V5127916
		<i>Manufacturer</i>
		ES & S

**Purpose:**

The purpose of this test is to verify that the removable media devices allow for an alternate method to transfer the audit records should the device and/or the storage media be damaged or destroyed.

**Prerequisites:**

DB1-P3-101

**Test Procedures:**

Use DB1-P3-101 for testing, voting and ballots. After completing the tests, document the process for recovering data through a method of redundancy.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system shall have at least one method of redundancy where removable media is used and provide for transfer of audit records.

*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.*


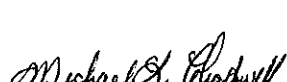

[illegible]

[illegible]

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

### Acceptable Compensating Controls

<i>Results Summary</i>	<i>Final Test Status</i>
The voting system meets the test requirements.	<b>PASS</b>

1st Review		2nd Review		Supervisor Approval	
Geneice Mathews		Michael L. Chandler		John Gardner	
Printed name		Printed name		Printed name	
 Signature		 Signature		 Signature	
5-10-07		2-10-07		9/12/07	
Date		Date		Date	

## Additional Observations and Findings

### Observations:

See attached photos and screen shots. The system has the capability of storing results in three places - PEB (after close of polls), Compact Flash and internal memory banks (during voting). The screen menus allow for a push of the data to new compact flash cards or PEB's as source of redundancy. Additionally, the internal memory chip can be removed and placed into the AR machine for "Auto Recovery" (see notes on trusted build). Finally, the compact flash can be removed from the device and copied onto another compact flash card to transfer audit and vote data.

### Findings:

The voting system meets the test requirements.

1st Review

Geneice Mathews

Printed name



Signature

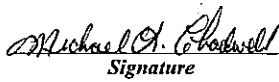
5-10-07

Date

2nd Review

Michael H. Chodwell

Printed name



Signature

7-10-07

Date

Supervisor Approval

John Gardner

Printed name



Signature

9/12/07

Date

File Edit View Favorites Tools Help

Back Search Folders

Address F:\

Go

Name	Size	Type	Date Modified
TSET.TXT	2 KB	Text Document	9/8/2007 11:01 AM
ELEC.TXT	3 KB	Text Document	9/8/2007 11:01 AM
electrid.txt	1 KB	Text Document	9/7/2007 3:11 PM
8XT		File Folder	9/7/2007 3:46 PM
ContLrg		File Folder	9/7/2007 3:45 PM
Contrast		File Folder	9/7/2007 3:45 PM
5SYS		File Folder	9/7/2007 3:45 PM
NormLrg		File Folder	9/7/2007 3:45 PM
Norm		File Folder	9/7/2007 3:45 PM
Cof		File Folder	9/7/2007 3:45 PM
Adt		File Folder	9/7/2007 3:45 PM

File and Folder Tasks

- Make a new folder
- Publish this folder to the Web
- Share this folder

Other Places

- My Computer
- My Documents
- Shared Documents
- My Network Places

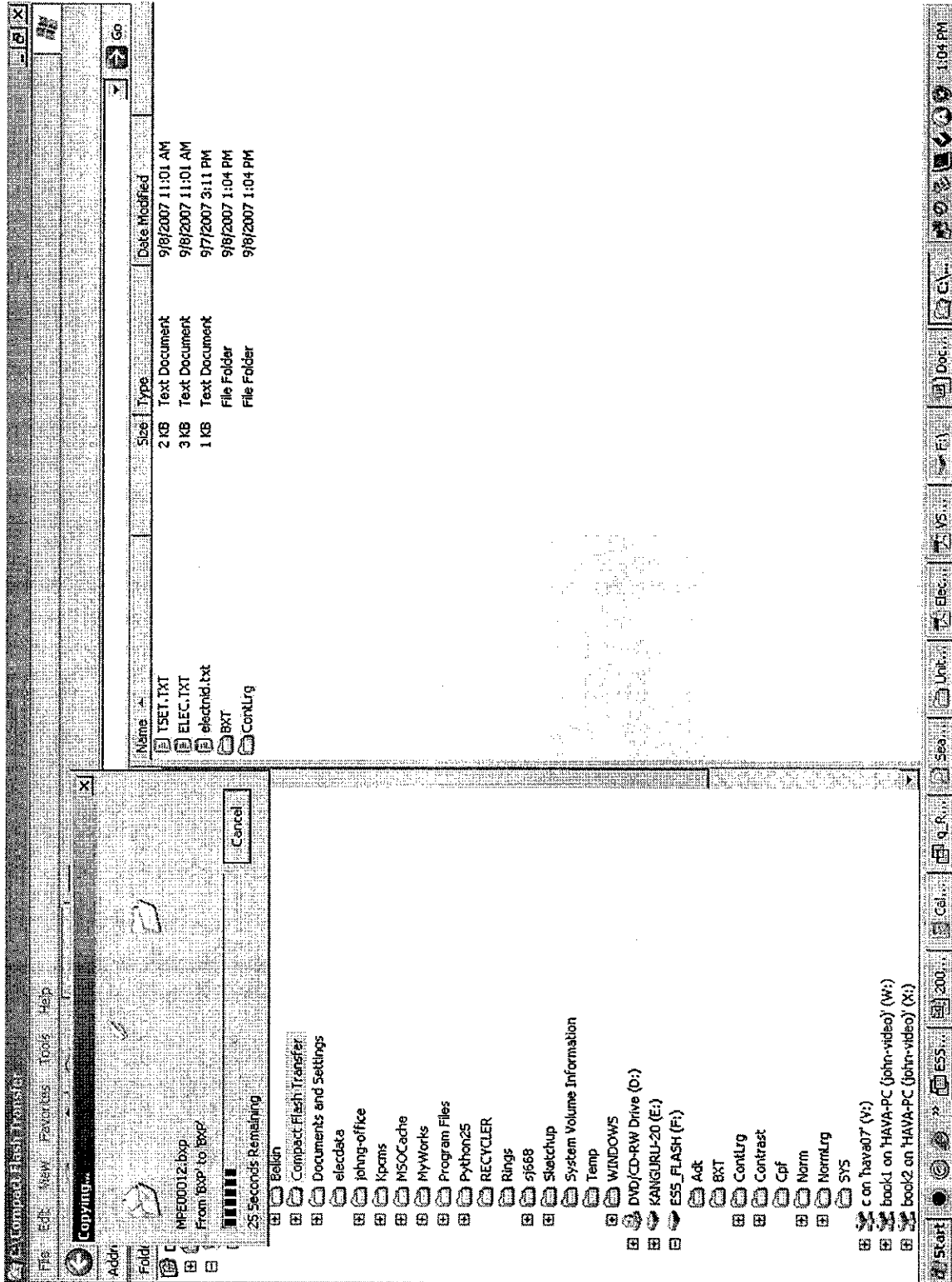
Details

ESS\_FLASH (F:)  
Removable Disk  
File System: FAT

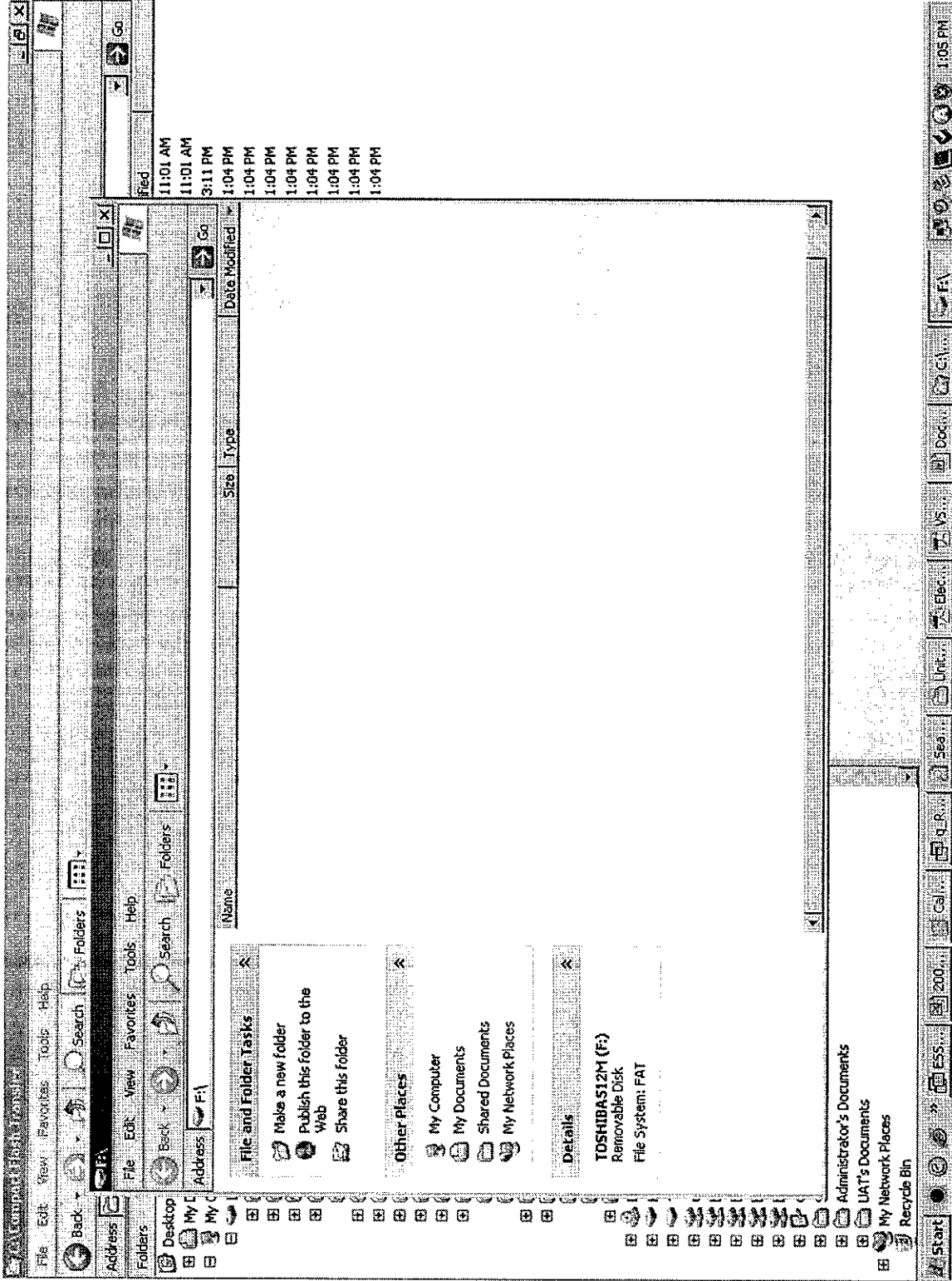
Start 2007 i... ESS C... Calcul... Search... Unity... Electro... F:\ 1:02 PM



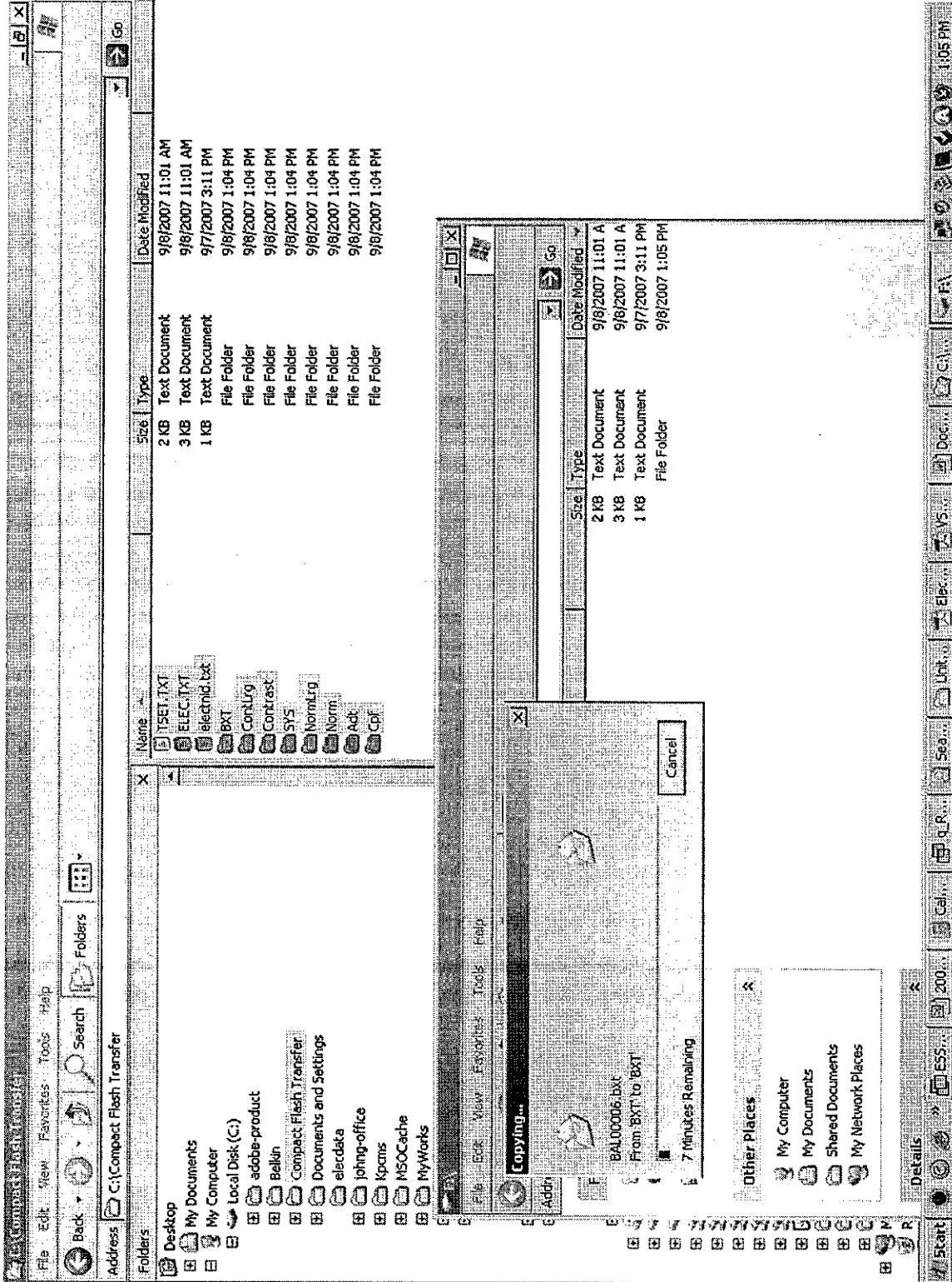
From original CF Card with 5 votes on it.



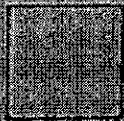
Copied files onto hard drive for transfer onto new blank CF Card.



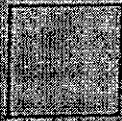
Inserted new blank Compact flash card.



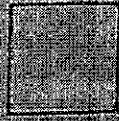
Copied the files from the hard drive onto the new blank compact flash.



Upload PEB to Compact Flash



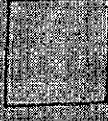
**(N/A) Upload PEB Vote Results**



Upload Audit Data Serial



Upload Audit Data to Compact Flash



Upload 3 Memories to Compact Flash



Exit Menu



# TSET.TXT

## Terminal Settings

Terminal Serial Number:	V5127916->
PEB Serial Number:	PS218841-
Terminal Battery Voltage:	9.12 V OK
PEB Battery Voltage:	3.51 V OK
PEB Firmware Version:	1.07
Terminal Firmware Version:	9.1.6.2 Created 07/07/06 08:30
Current Time / Date:	11:01:25 09/08/2007
Terminal Mode:	Closed
Audio Enabled:	No
Audio Volume Setting:	255
Public Count:	5
Protective Count:	2581
Vote Button Beep Off Time:	250
Vote Button Beep On Time:	750
Vote Button Beep Count Setting:	1
Zoom Enabled:	No
RTAL Enabled:	Yes
RTAL View Window Size:	4.5"
Progress Bar Enabled:	Yes
Touch Screen Calibrated:	Yes
Back Light Time Out:	180 Seconds
Spanish Enabled:	No
Daylight Savings Time Enabled:	Yes
Text System Files Status:	N/A - (Compact Flash required)

## ELEC.TXT

Election Settings	2007 GEN ELECTION 2 PAGE BALLOT
Official Election Name:	2
Location ID Number:	CITY OF GOLDEN TOWN
Official Location Name:	19:00:00 12/30/2007
Election Close Time & Date:	V5127916->
Terminal Serial Number:	PS218841-
PEB Serial Number:	11:01:42 09/08/2007
Current Time & Date:	Yes
Coded Ballot Entry Supported:	Not Counted
Coded Ballot Mode:	No
Require Coded Ballot Entry:	PROVISIONAL OR CODED
Coded Ballot Prompt:	No
Terminal Locked:	Bitmap
Ballot Database Type:	No
Audio Election:	Bitmap
Compact Flash Required for:	No
Require Coded Ballot Entry:	Poll Worker Activation
Activation Mode:	1
Number of Languages Programmed:	No
Straight Party Early Cast Enabled:	No
Straight Party Clear Enabled:	No
Results Tapes (# of Tapes):	1
Zero Tapes (# of Tapes):	1
Individual Results Tapes (# of Tapes):	0
Individual Zero Tapes(# of Tapes):	0
Print Summary Report Only:	Summary Report Only
Keyed Precinct Entry Enabled:	No
Printer Model Supported:	Seiko Printer
Require One Vote Enabled:	No
Under-Vote Report Enabled:	Yes
Summary Review Ballot Setting:	Vote Button active on last page of Summary
Ballot	
Election Type:	General
Candidate Selection:	All of Candidate Area
Real-Time Audit Log Printer:	FutureLogic Printer
Modem Enabled:	No
Expanded Summary Enabled:	Yes
Controlling Contest Rules:	Type D Recall
Screen Size:	Bitmaps are for 15 inch screen
Auto-Candidate De-Select Enabled:	No
RTAL Enabled:	Yes
Open Primary Preview Ballot:	No Preview
Soft Cast Enabled:	No
Ballot Display Count:	4
Ballot Cancel Mode:	Cast Vote or Cancel

## Finding RTAL-Printer Model & Firmware Version

The RTAL firmware is loaded when the printer is manufactured. The RTAL-Printer requires the most current version of printer firmware to get the full benefit of its capabilities. To find what is the most current printer firmware version for your RTAL-Printer, contact your ES&S representative or call ES&S.

**Note:** If necessary, a visit can be scheduled for an ES&S Technician to come to your site and upgrade the firmware of all of your RTAL-Printers. Otherwise, if just a couple of your RTALs need firmware upgrades, they can be sent to ES&S for the upgrading. For details, contact your ES&S support representative.

To determine the model number of your RTAL-Printer and what firmware version is currently loaded on the printer, do the following:

1. Load a roll of paper into the RTAL (See the *Load New Roll of Paper into RTAL* in this appendix.).
2. With the RTAL-Printer off (unplugged), press and hold the FEED button as you plug in the printer. The RTAL will automatically print its Model number and loaded firmware version. For example:

Model:	PSA-80V-LS
Firmware:	PloPrt v007 PTKT-0.01

## Cleaning RTAL-Printer

The RTAL-Printer can be cleaned by gently vacuuming to remove any paper debris found within the printer.

1. Grasp the back of the printer's hinged cover and carefully move the cover forward and up to access the inner workings of the RTAL-Printer.
2. Before vacuuming, remove any scrap paper left within the printer, including any pieces left on the Take-up Spool.

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Secretary of State

**Holly Lowder**  
Director of Elections

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

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

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

*Test Number*

BD2-P3 - 201

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(ii)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All non-voting data stored shall be authenticated, validated and encrypted in accordance with cryptography requirements of subsection (c)(vi) of this requirement;	BD2-P3-201
		<b>Test Date</b>
		8-15-07
		<b>Test End Date/Time</b>
		8-15-07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		PCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b>
		M100
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

<b>Test Procedure Specification</b>	
<b><u>Purpose:</u></b>	<b><u>Prerequisites:</u></b>
The Purpose of this test is to:	
<b><u>Test Procedures:</u></b>	<b><u>Variances Used During Testing:</u></b>
This rule section is Not Applicable until after 3/31/2008	
N/A	
<b><u>Test/Expected Outcome</u></b>	
N/A until after 3/31/2008	

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

[illegible]

[illegible]

N/A

9/12/25  
Date

## Additional Observations and Findings

Observations:

N/A

Findings:

until after 3-21-08

1st Review

G. Matthews  
Printed name

2nd Review

Michael L. Chadwell  
Printed name

Supervisor Approval

J. Gardner  
Printed name

  
Signature

8-15-07  
Date

Michael L. Chadwell  
Signature

9-10-07  
Date

  
Signature

9/12/07  
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>
BD2-P3 - 202

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(i)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All voting data stored which includes vote records, ballot images, tally data and cast votes, shall be authenticated and validated in accordance with cryptography requirements of subsection (c)(vii) of this requirement;	BD2-P3-202
		<b>Test Date</b>
		8-15-07
		<b>Test End Date/Time</b>
		8-15-07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		PCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b>
		M100
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

**Test Procedure Specification**

<b><u>Purpose:</u></b>	<b><u>Prerequisites:</u></b>
The Purpose of this test is to:	
N/A	
<b><u>Test Procedures:</u></b>	<b><u>Variances Used During Testing:</u></b>
This rule section is Not Applicable until after 3/31/2008	
N/A	

**Test Expected Outcome**

N/A until after 3/31/2008
---------------------------

## Test Log

[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

\_\_\_\_\_

Results Summary	Final Test Status
This test is not applicable	N/A

1st Review		2nd Review		Supervisor Approval	
<u>G Mathews</u>		<u>Michael L. CROWTHER</u>		<u>John Gardner</u>	
Printed name		Printed name		Printed name	
<u>[Signature]</u>	<u>8/15/07</u>	<u>Michael L. Crowther</u>	<u>8/10/07</u>	<u>[Signature]</u>	<u>8/14/07</u>
Signature	Date	Signature	Date	Signature	Date

## Additional Observations and Findings

Observations:

Findings:

N/A

N/A

1st Review

2nd Review

Supervisor Approval

G. Mathews  
Printed name

Michael L. Chadwell  
Printed name

John Gordon  
Printed name

  
Signature

8.15.07  
Date

Michael L. Chadwell  
Signature

9.10.07  
Date

  
Signature

9/12/07  
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**

**Test Number**

**BD2-P3 - 203**

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<b>Rule or Statute:</b> 45.5.2.5.5	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b> BD2-P3-203
	If a vote tabulation device employs the use of removable memory storage devices, the devices shall allow for an alternate method of transfer of audit records if the device and/or memory storage device is damaged or destroyed.	<b>Test Date</b> 8-15-07
		<b>Test End Date/Time</b> 8-15-07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b> Functional
		<b>Eq Type</b> PCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b> M100
		<b>Serial number</b> 204157
<b>Cross Reference 3</b>		<b>Manufacturer</b> ES & S
	202 269	

<b>Test Procedure Specification</b>	
<b><u>Purpose:</u></b> The Purpose of this test is to:	<b><u>Prerequisites:</u></b> Ref DB2-P3-201
<b><u>Test Procedures:</u></b> 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. See log Ref DB2-P3-201	<b><u>Variances Used During Testing:</u></b>
<b><u>Test Expected Outcome:</u></b> The voting system shall have at least one method of redundancy where removable media is used and provide for transfer of audit records.	

*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]

Photo 1, 2

p

9/12/24  
Date

## Additional Observations and Findings

### Observations:

See log

The removable PC card stores the Audit log, in addition to election definitions and vote data.

### Findings:

Device allows for an alternate method of transfer of audit records if <sup>voting</sup> device is damaged or destroyed.

1st Review

G Mathews

Printed name

2nd Review

Michael L. Chadwell

Printed name

Supervisor Approval

Josh Gorman

Printed name



Signature

8-15-07

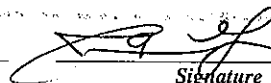
Date



Signature

9-10-07

Date



Signature

9/12/07

Date

13:06:24 08/15/2007 old unit  
VOTING CONTINUED PREV UNIT: 3075998002

13:06:24 08/15/2007  
CURRENT UNIT: 3138322738 new unit

13:06:24 08/15/2007  
TOTAL ACCEPTED BALLOTS: 2501

\*\*\* Status Report \*\*\*  
13:06:24 08/15/2007

ARV COUNTY, COLORADO  
PRIMARY ELECTION  
0003 BUDWEISER EVENT 0003  
Election Date: July 20, 2007  
Total Ballots: 2501  
13:06:32 08/15/2007  
Polls Opened

[illegible]

11-10-1967

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

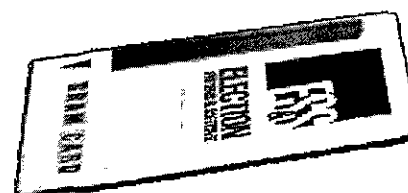
100

[illegible]

## The PC Card

The Model 100 uses PC Cards to store the scanner's election definition, audit log and other election-specific information. Data on the PC Card exists in one sequential block, which is updated each time the Model 100 scans a ballot. Use PC Cards with a memory capacity of 256KB (kilobytes) or 512KB.

- **Note:** Use PC Cards with a memory capacity of 4MB or 6MB for early voting.

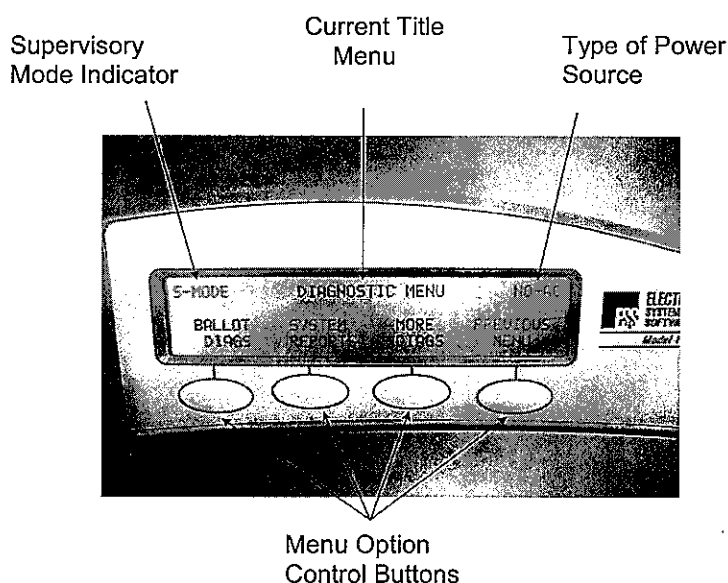


## Scanner Controls

The four external buttons below the Model 100 LCD message screen control all scanner functions. Push the button below a menu option on the display screen to navigate Model 100 system menus.

## The Menu Display

The Model 100 display screen contains four message areas. The top-center line of text on the screen identifies the current menu. The message in the top left corner identifies the status of the scanner. For example, "S-MODE" indicates that the operator has turned the scanner control key to the OPEN/CLOSE POLL position and the Model 100 is in supervisor mode. The message on the top right of the screen displays the scanner's battery status. The message "NO-AC" indicates that the scanner is using battery power. The lower line of text identifies available menu options. Press the button below a command to select a menu option.



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>
BD3-P3 - 301

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(ii)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All non-voting data stored shall be authenticated, validated and encrypted in accordance with cryptography requirements of subsection (c)(vi) of this requirement;	BD3-P3-301
		<b>Test Date</b>
		8.15.07
		<b>Test End Date/Time</b>
		8.15.07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		CCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b>
	M650	
	<b>Serial number</b>	
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

<b>Test Procedure Specification</b>	
<b><u>Purpose:</u></b> The Purpose of this test is to:	<b><u>Prerequisites:</u></b> N/A
<b><u>Test Procedures:</u></b> This rule section is Not Applicable until after 3/31/2008 N/A	<b><u>Variances Used During Testing:</u></b>
<b><u>Test Expected Outcome:</u></b> N/A until after 3/31/2008	

*The test log shall contain procedural steps used to conduct and evaluate the tests. As 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]

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

## Acceptable Compensating Controls

\_\_\_\_\_

Results Summary	Final Test Status
This test is not applicable	N/A

1st Review		2nd Review		Supervisor Approval	
<u>G Mathews</u>		<u>Michael L. Conover</u>		<u>John GARNER</u>	
Printed name		Printed name		Printed name	
<u>[Signature]</u>	<u>8-15-07</u>	<u>Michael L. Conover</u>	<u>9-13-07</u>	<u>[Signature]</u>	<u>9/12/07</u>
Signature	Date	Signature	Date	Signature	Date

## Additional Observations and Findings

Observations:

Findings:

N/A until after 3.31.08

1st Review

G. Mathews

Printed name

*G. Mathews*  
Signature

8.15.07  
Date

2nd Review

Michael H. Chodura

Printed name

*Michael H. Chodura*  
Signature

8.16.07  
Date

Supervisor Approval

John Gardner

Printed name

*John Gardner*  
Signature

9/12/07  
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>
BD3-P3 - 302

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(i)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All voting data stored which includes vote records, ballot images, tally data and cast votes, shall be authenticated and validated in accordance with cryptography requirements of subsection (c)(vii) of this requirement;	BD3-P3-302
		<b>Test Date</b>
		8.15.07
		<b>Test End Date/Time</b>
		8.15.07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		CCOS
<b>Cross Reference 2</b>		<b>Equipment Model</b>
	M650	
	<b>Serial number</b>	
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

<b>Test Procedure Specification</b>	
<b><u>Purpose:</u></b>	<b><u>Prerequisites:</u></b>
The Purpose of this test is to:	
N/A	
<b><u>Test Procedures:</u></b>	<b><u>Variances Used During Testing:</u></b>
This rule section is Not Applicable until after 3/31/2008	
N/A	
<b><u>Test Expected Outcome</u></b>	
N/A until after 3/31/2008	

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

Continue to next  
page...

[illegible]

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

### Acceptable Compensating Controls

\_\_\_\_\_

Results Summary	Final Test Status
This test is not applicable	N/A

1st Review		2nd Review		Supervisor Approval	
<u>G Mathews</u>		<u>Michael L. Chaswell</u>		<u>John Gardner</u>	
Printed name		Printed name		Printed name	
<u>[Signature]</u>	<u>8.15.07</u>	<u>Michael L. Chaswell</u>	<u>9.10.07</u>	<u>[Signature]</u>	<u>9/12/07</u>
Signature	Date	Signature	Date	Signature	Date

## Additional Observations and Findings

Observations:

Findings:

N/A until after 3.31.08

1st Review

G. Matthews

Printed name

2nd Review

Michael L. Crowell

Printed name

Supervisor Approval

John Gardner

Printed name



Signature

8.15.07

Date

Michael G. Chadwell

Signature

9.10.07

Date



Signature

9/12/07

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*

**BD3-P3 - 303**

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.5.5	If a vote tabulation device employs the use of removable memory storage devices, the devices shall allow for an alternate method of transfer of audit records if the device and/or memory storage device is damaged or destroyed.	BD3-P3-303
		<b>Test Date</b>
		9/15/07
		<b>Test End Date/Time</b>
		9/15/07
<b>Gross Reference 1</b>		<b>Test Type (D/F/B)</b>
		Functional
		<b>Eq. Type</b>
		CCOS
<b>Gross Reference 2</b>		<b>Equipment Model</b>
		M650
		<b>Serial Number</b>
<b>Gross Reference 3</b>		1106 7477
		<b>Manufacturer</b>
		ES & S

<p><b><u>Purpose:</u></b></p> <p>The purpose of this test is to verify that the removable media devices allow for an alternate method to transfer the audit records should the device and/or the storage media be damaged or destroyed.</p>	<p><b><u>Prerequisites:</u></b></p> <p>DB3-P3-307</p>
<p><b><u>Test Procedures:</u></b></p> <p>See DB3-P3-307 for test setup procedure and reports/evidence for the primary election.</p>	<p><b><u>Variances Used During Testing:</u></b></p>
<p><b><u>Test Expected Outcome</u></b></p> <p>The voting system shall have at least one method of redundancy where removable media is used and provide for transfer of audit records.</p>	

*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. Cunniff</u>		<u>[Signature]</u>	
Printed name		Printed name		Printed name	
<u>[Signature]</u>	<u>8-15-07</u>	<u>Michael A. Pichell</u>	<u>9-10-07</u>	<u>[Signature]</u>	<u>9/12/07</u>
Signature	Date	Signature	Date	Signature	Date

## Additional Observations and Findings

### Observations:

See log  
The audit log data is also stored to the ZIP disk, with all election data, IF the operator forces a data save.

### Findings:

Voting system has a method of redundancy: if the user saves their results in batches. Audit records are printed, Mueso contains a real time audit. Paper records of the audit trail can be retained if an Mueso had mechanical problems preventing ballots from being counted.

1st Review

G Mathews  
Printed name

  
Signature

8.15.07  
Date

2nd Review

Michael H. Chomwe  
Printed name

  
Signature

9.10.07  
Date

Supervisor Approval

John Gardner  
Printed name

  
Signature

9/26/07  
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*

*Test Number*

BD4-P3 - 401

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(ii)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All non-voting data stored shall be authenticated, validated and encrypted in accordance with cryptography requirements of subsection (c)(vi) of this requirement;	BD4-P3-401
		<b>Test Date</b>
		9/7/07
		<b>Test End Date/Time</b>
		9/7/07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		Software
<b>Cross Reference 2</b>		<b>Equipment Model</b>
		Unity
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

<b>Test Procedure Specification</b>	
<b><u>Purpose:</u></b>	<b><u>Prerequisites:</u></b>
The Purpose of this test is to:	N/A
<b><u>Test Procedures:</u></b>	<b><u>Variances Used During Testing:</u></b>
This rule section is Not Applicable until after 3/31/2008 N/A	
<b><u>Test Expected Outcome</u></b>	
N/A until after 3/31/2008	

*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]

**No**

☒

**Yes**

1

No



**Yes**



No

□

***Yes***

1

 $N(\mathbf{p})$



## Additional Observations and Findings

**Observations:**

N/A

**Findings:**

N/A

1st Review

G. Mathews

Printed name

2nd Review

Michael L. Chadwell

Printed name

Supervisor Approval

John Gardner

Printed name



Signature

9-20-07

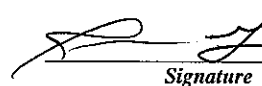
Date



Signature

9.10.07

Date



Signature

9/12/07

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*

*Test Number*

BD4-P3 - 402

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(i)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All voting data stored which includes vote records, ballot images, tally data and cast votes, shall be authenticated and validated in accordance with cryptography requirements of subsection (c)(vii) of this requirement;	BD4-P3-402
		<b>Test Date</b>
		7/7/07
		<b>Test End Date/Time</b>
		7/7/07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		Software
<b>Cross Reference 2</b>		<b>Equipment Model</b>
		Unity
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

**Test Procedure Specification**

<b><u>Purpose:</u></b>	<b><u>Prerequisites:</u></b>
The Purpose of this test is to:	N/A
<b><u>Test Procedures:</u></b>	<b><u>Variances Used During Testing:</u></b>
This rule section is Not Applicable until after 3/31/2008 N/A	

**Test Expected Outcome**

N/A until after 3/31/2008

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]

No ☒ Yes ☐

## N/A

## Date \_\_\_\_\_

## Additional Observations and Findings

**Observations:**

N/A

**Findings:**

N/A

1st Review

G. Mathews  
Printed name

  
Signature

9-7-07  
Date

2nd Review

Michael L. Chadwell  
Printed name

  
Signature

9.10.07  
Date

Supervisor Approval

John GORDNER  
Printed name

  
Signature

9/12/07  
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*

BD4-P3 - 403

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2007-CDOS-ESS-001-0403		Test Number
Rule or Statute 45.5.2.5.5	If a vote tabulation device employs the use of removable memory storage devices, the devices shall allow for an alternate method of transfer of audit records if the device and/or memory storage device is damaged or destroyed.	BD4-P3-403
		Test Date 9/15/07
		Test End Date/Time 9/15/07
		Test Type (D,F,B) Functional
Cross Reference 1		Eq Type Software
Cross Reference 2		Equipment Model Unity
Cross Reference 3		Serial Number N/A
		Manufacturer ES & S

**Purpose:**

The purpose of this test is to verify that the removable media devices allow for an alternate method to transfer the audit records should the device and/or the storage media be damaged or destroyed.

**Prerequisites:**

BD1-P3-103  
BD2-P3-203  
BD3-P3-303

**Test Procedures:**

Ref. BD1-P3-103  
BD2-P3-203  
BD3-P3-303

**Variances Used During Testing:**

**Test Expected Outcome**

The voting system shall have at least one method of redundancy where removable media is used and provide for transfer of audit records.



## 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	
<u>Servane Lovato</u> Printed name		<u>Michael L. Chadwell</u> Printed name		<u>John Gardner</u> Printed name	
<u>[Signature]</u> Signature	<u>9/15/07</u> Date	<u>Michael L. Chadwell</u> Signature	<u>9.15.07</u> Date	<u>[Signature]</u> Signature	<u>9/15/07</u> Date

## Additional Observations and Findings

### Observations:

See log.

### Findings:

The voting system meets the requirement provided they meet the acceptable compensating controls.

#### 1st Review

Terome L. Lutz

Printed name

Terome L. Lutz

Signature

9/15/07

Date

#### 2nd Review

Michael L. Chadwell

Printed name

Michael L. Chadwell

Signature

9.15.07

Date

#### Supervisor Approval

John Gardner

Printed name

[Signature]

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*

BD4-P3 - 404

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(iii)	Antivirus software shall be present and scan removable media upon insertion of media or media device on server and/or workstations hosting the elections management software.	BD4-P3-404
		<b>Test Date</b>
		9/6/2007
		<b>Test End Date/Time</b>
		9/7/2007
<b>Gross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
<b>Gross Reference 2</b>		<b>Eq Type</b>
		Software
<b>Gross Reference 3</b>		<b>Equipment Model</b>
		Unity
		<b>Serial Number</b>
		N/A
		<b>Manufacturer</b>
		ES & S

**Purpose:**

The purpose of this test is to verify that the voting system computers contain antivirus software which shall scan removable media upon insertion of the media or media device into the computer.

**Prerequisites:**

Completion of trusted build.

**Test Procedures:**

Document the systems ability to use virus protection software.

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system shall use antivirus software on servers and workstations hosting the Elections Management software. The virus protection shall scan removable media upon its' insertion.

*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...

### Test Log

[illegible]

## Attachments

*Documents*  
(list all documents)

*No*

Yes ☒



**Videos**  
(list all videos)

**No**

☒

**Yes** ☐

10

*Photos*  
(list all photos)

No



**Yes** ☐

7

See BB4-P3-401.

## 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. Cusumano

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

**Supervisor Approval**

John Gardner

Printed name

  
Signature

3-10-07  
Date

*Michael G. Chodwel*  
Signature

9.10.05  
Date

  
Signature

Date 9/2/07

## Additional Observations and Findings

### Observations:

See screen shot attached to BB4-P3-401. The voting system provided did not supply a system with virus protection software to the testing board.

### Findings:

The testing board was unable to test this requirements.

1st Review

Geneice Mathews

Printed name

2nd Review

Matthew L. Chopwell

Printed name

Supervisor Approval

John Gardner

Printed name



Signature

9-10-07

Date



Signature

9-10-07

Date



Signature

9/12/07

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*

*Test Number*

BD7-P3 - 701

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(ii)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All non-voting data stored shall be authenticated, validated and encrypted in accordance with cryptography requirements of subsection (c)(vi) of this requirement;	BD7-P3-701
		<b>Test Date</b>
		9/7/07
		<b>Test End Date/Time</b>
		9/7/07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		Amark
<b>Cross Reference 2</b>		<b>Equipment Model</b>
		Automark
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

#### Test Procedure Specification

#### Purpose:

The Purpose of this test is to:

#### Prerequisites:

N/A

#### Test Procedures:

This rule section is Not Applicable until after 3/31/2008

N/A

#### Variances Used During Testing:

N/A until after 3/31/2008

#### Test Expected Outcome

## 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]

## Attachments

**Yes** ☐

### Final Test Status

$$n/A$$

**Supervisor Approval**

*[Signature]*

Printed name

Printed name  
↓  
JAN GARDNER  
Signature  
9/2/07  
Date

## Additional Observations and Findings

### Observations:

N/A

### Findings:

N/A

1st Review

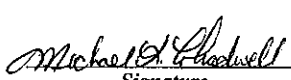
G. Mathews  
Printed name

  
Signature

9-7-07  
Date

2nd Review

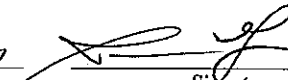
Michael L. CARDWELL  
Printed name

  
Signature

9-10-07  
Date

Supervisor Approval

  
Printed name

  
Signature

9/12/07  
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 (ESS)*

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

<i>Test Number</i>
BD7-P3 - 702

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<b>Rule or Statute</b>	<b>2007-CDOS-ESS-001-0403</b>	<b>Test Number</b>
45.5.2.6.1(f)(k)(l)	As of March 31 2008, voting systems submitted for certification shall meet the following minimum requirements for removable storage media with data controls: All voting data stored which includes vote records, ballot images, tally data and cast votes, shall be authenticated and validated in accordance with cryptography requirements of subsection (c)(vii) of this requirement;	BD7-P3-702
		<b>Test Date</b>
		9/4/07
		<b>Test End Date/Time</b>
		9/4/07
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b>
		Functional
		<b>Eq Type</b>
		Amark
<b>Cross Reference 2</b>		<b>Equipment Model</b>
		Automark
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b>
		ES & S

**Test Procedure Specification**

<b><u>Purpose:</u></b>	<b><u>Prerequisites:</u></b>
The Purpose of this test is to:	N/A
<b><u>Test Procedures:</u></b>	<b><u>Variances Used During Testing:</u></b>
This rule section is Not Applicable until after 3/31/2008 N/A	

**Test Expected Outcome**

N/A until after 3/31/2008

*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...




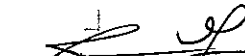
[illegible]

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
This test is not applicable	N/A

1st Review		2nd Review		Supervisor Approval	
G. Mathews		Michael L. Carroll		John Gardner	
Printed name		Printed name		Printed name	
	4-7-02	Michael L. Carroll	9-10-07		9-12-07
Signature	Date	Signature	Date	Signature	Date

## Additional Observations and Findings

### Observations:

N/A

### Findings:

N/A

1st Review

2nd Review

Supervisor Approval

G. Mathews  
Printed name

Michael L. CHADWELL  
Printed name

John GARDNER  
Printed name

  
Signature

9-7-07  
Date

  
Signature

9-10-07  
Date

  
Signature

9/12/07  
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*

BD7-P3 - 703

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2007-CDOS-ESS-001-0403		Test Number
<b>Rule or Statute</b> 45.5.2.5.5	If a vote tabulation device employs the use of removable memory storage devices, the devices shall allow for an alternate method of transfer of audit records if the device and/or memory storage device is damaged or destroyed.	BD7-P3-703
		<b>Test Date</b> 9/4/2007
		<b>Test End Date/Time</b> 9/5/2007
<b>Cross Reference 1</b>		<b>Test Type (D,F,B)</b> Functional
		<b>Eq. Type</b> Amark
<b>Cross Reference 2</b>		<b>Equipment Model</b> Automark
		<b>Serial number</b>
<b>Cross Reference 3</b>		<b>Manufacturer</b> ES & S

**Purpose:**

The purpose of this test is to verify that the removable media devices allow for an alternate method to transfer the audit records should the device and/or the storage media be damaged or destroyed.

**Prerequisites:**

N/A

**Test Procedures:**

N/A

**Variances Used During Testing:**

N/A

**Test Expected Outcome**

The voting system shall have at least one method of redundancy where removable media is used and provide for transfer of audit records.

## 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]

## TestLog

[illegible]

## Attachments

**Documents**  
(list all documents)

No



**Yes** ☐

7

**Videos**  
(list all videos)

**No**

~~10~~

**Yes** ☐

7

*Photos*  
(list all photos)

No

No ☒

**Yes** ☐

7

### 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. Chadwick

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

**Supervisor Approval:**

John Gardner

Printed name

*Signature*

Date \_\_\_\_\_

**Signature**

Date \_\_\_\_\_

*Signature*

Date \_\_\_\_\_

## Additional Observations and Findings

### Observations:

The voting system does not use removable media for storage of votes. The media is simply used for the presentation of ballots on the screen by the device.

### Findings:

This test is not applicable for this voting device. *The AutoMARK is not a vote tabulation device* *Chad*

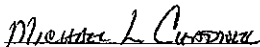

1st Review

Geneice Mathews

Printed name

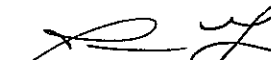


Signature

9/6/07  
Date2nd Review  
Printed name  
Signature9.10.07  
DateSupervisor Approval

John Gardner

Printed name

  
Signature9/12/07  
Date