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****
ELECTION TOTAL REPORT
****
General - Straight Party
Date: Sep-11-2000

Early Voting
VCenter:120 Ver: 3
Machine:0 Copy: 3

AccuVote-TS 4.0.11
Public Counter: 61
System Counter: 7130
Machine Serial: 2009015

Time: 14:01 - 10/02/2001

****
** Summary Totals **
****
Ballots Cast

Ballot 1	61
Ballot 2	0
Ballot 3	0
Ballot 4	0
Ballot 5	0
Ballot 6	0
Ballot 7	0
Ballot 8	0
Ballot 9	0
Ballot 10	0
Ballot 11	0
Ballot 12	0

Ballots Cast Summary

Blank Voted	0
Over Voted	0
Under Voted	61
Write-In Voted	1
Total Ballots	61

****
STRAIGHT PARTY
RACE # 5

# Running	4
# To Vote For	1
# Times Counted	61
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	0
Democratic	60
Republican	1
Libertarian	0
Independent	0

****
PRESIDENT
RACE # 10

# Running	4
# To Vote For	1
# Times Counted	61
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	0
Bill Clinton	60
George Bush	1
Andre Marrou	0
Ross Perot	0

****
U.S. SENATE
RACE # 20

# Running	4
# To Vote For	1
# Times Counted	61
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	0
Wyche Fowler	60
Paul Coverdale	1
Jim Hudson	0
# Write Ins	0

****
U.S. REPRESENTATIVE, SECOND DISTRICT
RACE # 30

# Running	3
# To Vote For	1
# Times Counted	0
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	0
Sanford Bishop	0
Jim Dudley	0
# Write Ins	0

****
U.S. REPRESENTATIVE, THIRD DISTRICT
RACE # 40

# Running	3
# To Vote For	1
# Times Counted	61
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	0
Richard Ray	59
Mac Collins	1
# Write Ins	1

Write In Candidates
Ballot Candidate
163825 AAAAADJNJJBHGG
****
PUBLIC SERVICE COMMISSION
RACE # 50

# Running	9
# To Vote For	3
# Times Counted	61
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	0
John Barnes	59
Johnny Collins	59
Bobby Rowan	59
Craig Schwall	1
Stan Wise	1
Gus Bennett	1
# Write Ins	3

Write In Candidates
Ballot Candidate
163825 FHHKHHR
163825 KKHGIRHTIE
163825 SUIIETCJJ
****
BOARD OF EDUCATION
RACE # 60

# Running	10
# To Vote For	4
# Times Counted	61
# Times Blank Voted	0
# Times Over Voted	0
# Number Undervotes	61
William Brown	60
Dick Ingram	60
Ernie Studard	60
Bob Barr	1
Bobby Payne	1
Jerry Norman	1
# Write Ins	0

****
JUSTICE, GEORGIA SUPREME COURT
RACE # 70

# Running	2
# To Vote For	1
# Times Counted	61
# Times Blank Voted	60
# Times Over Voted	0
# Number Undervotes	0
Leah Sears-Collins	0
Willis Hunt	1

****
JUDGE, CIRCUIT ONE
RACE # 80

# Running	2
# To Vote For	1
# Times Counted	61
# Times Blank Voted	60
# Times Over Voted	0
# Number Undervotes	0
Dorothy Beasley	0
A.W. Birdsong	1

****
JUDGE, CIRCUIT TWO
RACE # 90
Running 2
To Vote For 1

Times Counted 0
Times Blank Voted 0
Times Over Voted 0
Number Undervotes 0
George Carley 0
Ed Johnson 0
****
MAYORAL RECALL
RACE # 100
Running 1
To Vote For 1

Times Counted 61
Times Blank Voted 60
Times Over Voted 0
Number Undervotes 0
YES 1
****
MAYOR RECALL - CANDIDATES
RACE # 101
Running 2
To Vote For 1

Times Counted 61
Times Blank Voted 60
Times Over Voted 0
Number Undervotes 0
Jack Webster 1
Maurice Hemsley 0
****
QUESTION
RACE # 120
Running 2
To Vote For 1

Times Counted 61
Times Blank Voted 60
Times Over Voted 0
Number Undervotes 0
YES 1
NO 0

****
WE, THE UNDERSIGNED,
DO HEREBY CERTIFY THE
ELECTION WAS CONDUCTED
IN ACCORDANCE WITH THE
LAWS OF THE STATE.

**** SIGNATURES ****

.....

.....

.....

.....

.....

.....

.....

****
General Straight
Party
Sep-11-2000 (715597e)
Early Voting

VCenter:120 Ver: 3
Machine:0 Copy: 3

****
AUDIT REPORT
****

Public Counter: 61
System Counter: 7130
Machine Serial: 2009015

Time: 14:02 - 10/02/2001
****
13:43 ** Session Start
Date: 10/02/2001
Machine SN: 10004
Prot Count: 23
13:43 Downloaded
13:22 ** Session Start
Date: 10/02/2001
Machine SN: 2009019
Prot Count: 7690
13:22 System test passed
13:22 Release: 4.0.11
** Election **
General - Straight Party
Sep-11-2000
** Vote Center **
Early Voting
Id:120 Ver:3
13:22 Admin card inserted
13:24 ** Session Start
Date: 10/02/2001
Machine SN: 2009019
Prot Count: 7690
13:24 System test passed
13:24 Release: 4.0.11
** Election **
General - Straight Party
Sep-11-2000
** Vote Center **
Early Voting
Id:120 Ver:3

```
13:24 AC power connected
13:24 Battery charging
13:25 Results Cleared
13:25 Set for election
13:25 ** Session Start
      Date: 10/02/2001
      Machine SN: 2009019
      Prot Count: 7690
13:25 System test passed
13:25 Release: 4.0.11
      ** Election **
      General - Straight Party
      Sep-11-2000
      ** Vote Center **
      Early Voting
      Id:120        Ver:3
13:25 Zero report printed
13:26 Poll Opened Count 0
13:26 Admin card inserted
13:26 Poll Closed Count 0
13:26 ** Session Start
      Date: 10/02/2001
      Machine SN: 2009019
      Prot Count: 7690
13:26 System test passed
13:26 Release: 4.0.11
      ** Election **
      General - Straight Party
      Sep-11-2000
      ** Vote Center **
      Early Voting
      Id:120        Ver:3
13:27 Poll Opened Count 0
13:28 Ballot cast
13:29 Ballot cast
13:30 Ballot cast
13:31 Ballot cast
13:31 Ballot cast
13:31 Ballot cast
13:32 Ballot cast
13:32 Ballot cast
13:32 Ballot cast
13:33 Ballot cast
13:33 Ballot cast
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13:41 Ballot cast
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13:48 Ballot cast
13:49 Ballot cast
13:49 Ballot cast
13:49 Ballot cast
13:50 Ballot cast
13:50 Ballot cast
13:50 Ballot cast
13:51 Ballot cast
13:51 Ballot cast
13:52 Ballot cast
13:52 Ballot cast
13:53 Ballot cast
14:01 Admin card inserted
14:01 Poll Closed Count 61
14:01 ** Session Start
      Date: 10/02/2001
      Machine SN: 2009019
      Prot Count: 7751
14:01 System test passed
14:01 Release: 4.0.11
      ** Election **
      General - Straight Party
      Sep-11-2000
      ** Vote Center **
      Early Voting
      Id:120        Ver:3
14:01 Poll Opened Count 61
14:00 ** Session Start
      Date: 10/02/2001
      Machine SN: 2009015
      Prot Count: 7130
14:00 System test passed
14:00 Release: 4.0.11
      ** Election **
      General - Straight Party
      Sep-11-2000
      ** Vote Center **
      Early Voting
      Id:120        Ver:3
14:00 Poll Opened Count 61
14:00 Admin card inserted
14:00 Poll Closed Count 61
14:00 ** Session Start
      Date: 10/02/2001
      Machine SN: 2009015
      Prot Count: 7130
14:00 System test passed
14:00 Release: 4.0.11
      ** Election **
      General - Straight Party
      Sep-11-2000
      ** Vote Center **
      Early Voting
      Id:120        Ver:3
14:00 Poll Opened Count 61
14:00 Admin card inserted
14:00 Poll Closed Count 61
14:00 Election ended
14:01 Summary report printed
14:02 Admin card inserted
**********************
   END OF AUDIT REPORT
**********************
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ATTACHMENT B

AVTS-R6 PRODUCT LABEL

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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

REPORT NO. 46058-02

INSPECTION, TEST AND EVALUATION
OF THE
ACCUVOTE TS UNIT

SUBMITTED TO

GLOBAL ELECTION SYSTEMS, INC.
1611 WILMETH ROAD
MCKINNEY, TX 75069

WYLE LABORATORIES, INC.

WYLE is a Nationally Recognized Testing Laboratory (NRTL)

LISTING REPORT
WYLE LABORATORIES, INC.

7800 Highway 20 West, PO Box 077777, Huntsville, Alabama 35807

Purchase Order No. PR2010497

REPORT NO. 46058-02
INSPECTION, TEST AND EVALUATION
OF THE

ACCUVOTE TS UNIT

SUBMITTED TO
GLOBAL ELECTION SYSTEMS, INC.
1611 WILMETH ROAD
MCKINNEY, TX 75069

GENERAL: This Report gives the results of the inspection, test and evaluation of the Accuvote TS Unit for compliance with the applicable requirements of the "Standard for Safety of Information Technology Equipment," UL 60950, Third Edition. Mr. Jeff Hallmark authorized this investigation. Samples in good condition were provided by the client and tested at Wyle Labs' Huntsville facility.

Safety of Information Technology Equipment,
Third Edition, UL 60950

Applicant: GLOBAL ELECTION SYSTEMS, INC.
1611 WILMETH ROAD
McKINNEY, TX 75069

Contact: Mr. Jeff Hallmark
Telephone: (972) 542-6000
Fax: (972) 542-6044

Manufacturer: GLOBAL ELECTION SYSTEMS, INC.
1611 WILMETH ROAD
McKINNEY, TX 75069

WYLE LABORATORIES, INC.
Page 3

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Global Election Systems, Inc.

Issued: 10/11/2001

Revisions

wyle laboratories

REVISION _____
REPORT NO. _____
DATE _____

REV.	DATE	PAGE OR PARAGRAPH AFFECTED	BY	APP'L	DESCRIPTION OF CHANGES

Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

PRODUCT DESCRIPTION

PRODUCTS COVERED:

Accuvote TS Unit – Model Number AVTS-R6

PRODUCT DESCRIPTION:

The product covered by this report is an Accuvote TS Unit. The Accuvote TS Unit is utilized to collect and tally votes. The total weight of the Accuvote TS Unit is approximately 12 kg. The unit is considered moveable equipment and is intended to be operated in an office environment. The Accuvote TS Unit is Class I equipment and is intended for use in a Pollution Degree 2 environment. The unit has been evaluated to the requirements of UL 60950, Third Edition.

ELECTRICAL RATINGS:

100 – 250 Vac, 1.5 A Max, 47 - 63 Hz

TEST PERFORMANCE

A representative sample of the product was tested in accordance with the "Standard for Safety of Information Technology Equipment," UL 60950, Third Edition.

The following tests were performed:

Description	Clause
Power Interface (Input) Test	1.6
Permanence of Markings	1.7.13
Shock Hazard	2.1
Accessibility	2.1.2
Protective Earthing Resistance	2.6.1
Mechanical Strength and Stress Relief	4.2.2, 4.2.3 & 4.2.4
Heating Test	4.5
Earth Leakage Current	5.1
Electric Strength	5.2

Results of the tests indicate the specimen conforms to the applicable test criteria.

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Global Election Systems, Inc.

CONCLUSION

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the "Standard for Safety of Information Technology Equipment," UL 60950, Third Edition.

STATE OF ALABAMA
COUNTY OF MADISON }

SEAL

James R. Dearman being duly sworn, deposes and says: The information contained in this report is the result of complete and carefully conducted testing and is to the best of his knowledge true and correct in all respects.

SUBSCRIBED and sworn to before me this 24 day of Oct 2001

Notary Public in and for the State of Alabama at Large

My Commission expires April 16 2002

Wyle shall have no liability for damages of any kind to person or property, including special or consequential damages, resulting from Wyle's providing the services covered by this report.

TEST BY: Barbara A. Brooks 24Oct01
Barbara A. Brooks, Lead Test Specialist Date

APPROVED BY: Robert Loop 24 OCT 01
Robert R. Loop, Project Engineer Date

(bab)

Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

GENERAL INFORMATION:

The Applicant and Manufacturer have agreed to produce and test Wyle tested products in accordance with the requirements of this report. The Manufacturer should notify Wyle to request authorization prior to using alternate parts, components, or materials.

COMPONENTS:

Components used shall be those shown in the Wyle report covering the products specified in the index including any amendments and/ or revisions.

Symbol Authorization

Based on the data presented in this report, the Accuvote TS Unit is authorized to display the Wyle Nationally Recognized Test Laboratory symbol below. The system should bear the symbol shown as evidence of compliance with the appropriate standard for safety.

Listing File Number

This product will be listed under Wyle Laboratories' File Number 46058 as long as the periodic site inspections demonstrate conformance to the mechanical and electrical configuration as delineated in this document. Revocation of the listing voids the authorization above.

LISTING MARK:

The Wyle listing mark applied to the products shall either be separable in form, such as labels purchased from Wyle Laboratories, or on a product nameplate or other media only as specifically authorized by Wyle Laboratories. Use of the listing mark is subject to the control of Wyle Laboratories.

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Global Election Systems, Inc.

MANUFACTURING AND PRODUCTION TESTS:

Manufacturing and Production Tests shall be performed as required in this Report.

Grounding Continuity an ohmmeter, battery-bell-buzzer combination or other suitable device between earth ground and all dead-metal parts.

Electric Strength (High-potential) – Dielectric Strength at 1000 Vac (or Peak DC Equivalent) for one second.

FOLLOW-UP SERVICE:

Wyle Laboratories shall conduct random, quarterly, unannounced inspections to ensure conformance with the test and evaluation report, test standards, and field inspections, and to monitor and ensure proper use of the Wyle Product Safety Mark. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the Wyle mark with the requirements of this Report and the Listing, Labeling, and Follow-up Service Agreement.
3. In-plant quality control procedures and personnel.
4. Manufacturing changes.
5. Performance of specified Manufacturing and Production Tests.

In the event that the Wyle representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the Wyle Listing Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

GENERAL REQUIREMENTS AND DEFINITIONS:

Recognized – Identifies any component, part or subassembly covered under the recognition service of an NRTL (US) or a CO (Canada) and intended for use in Listed, Certified, or Recognized products.

Listed – Identifies any product covered under the Listing or Certification service of an NRTL or a CO.

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Global Election Systems, Inc.

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GENERAL REQUIREMENTS AND DEFINITIONS (Continued)

Construction Details – For specific construction details, reference should be made to the following photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Mechanical Assembly – Components such as switches and wiring terminals are reliably mounted and prevented from shifting or rotating by screws or the mounting format.
2. Corrosion Protection – All ferrous metal parts are suitably protected against corrosion by painting, plating or the equivalent.
3. Internal Wiring – Internal wiring is reliably routed away from sharp or moving parts. Internal wiring leads terminate in soldered connections made mechanically secure prior to soldering.
4. Current Carrying Parts – All current carrying parts are of silver, copper, or a copper base alloy.
5. Accessibility of Live Parts – All uninsulated live parts are housed within an enclosure and are adequately protected from contact by the articulated finger probe.
6. Over-Voltage/Overload Protection – The models are all protected against overvoltage by a overcurrent protection inherent in the power supply.
7. Markings – The unit is marked with the manufacturer's name, model number, electrical ratings, and cautionary markings where required.
8. Instruction Manual – An instruction manual is provided with each unit that is shipped from the factory. The instruction may be in the form of a separate booklet, or sheet, or may be part of the instruction manual, but in any case, they shall be separated in format from other instructions and shall appear before any operating instructions. The letters in text and illustrations in the instructions shall be clearly legible. "IMPORTANT SAFETY INSTRUCTIONS" and "SAVE THESE INSTRUCTIONS" shall be emphasized and clearly distinguishable from the rest of the text.
9. Definitions – Unless specifically stated otherwise, the following general definitions, terminology, and construction details apply:
   a) Dimensions – All dimensions specified are approximate and are within plus or minus one-tenth of the base unit, unless stated otherwise.
   b) Component – Accepted by an accredited Certification Organization with certain restrictions, and appears in that organization's list of accepted components.
   c) Unlisted components – No recognized third-party certification.

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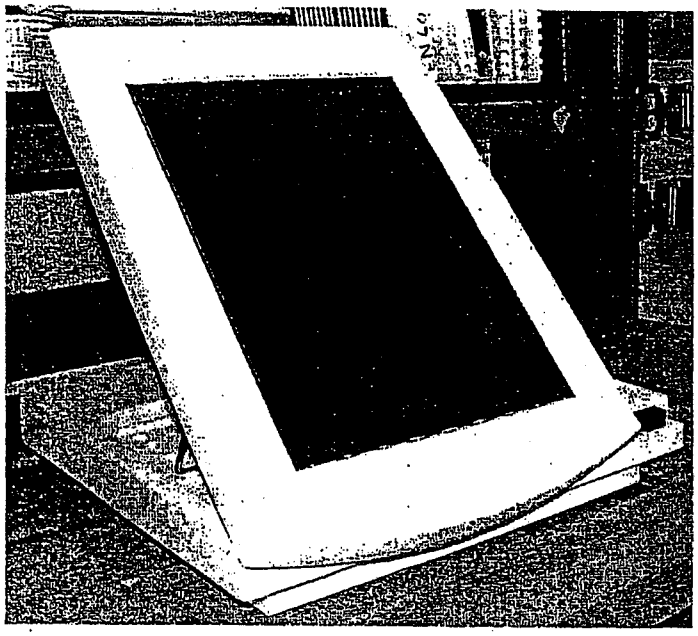

Figure 1
Accuvote TS Unit

General – Figure 1 shows the front, left side and top view of the Accuvote TS Unit with the top cover on. The product measures approximately 396 mm high with the display extended and 147 mm high with the display down by 410 mm wide by 472 mm deep by 3 mm thick, with a weight of approximately 12 kg. The unit is considered moveable equipment.

1. Unit Enclosure (Display Enclosure) - Recognized Component Plastic (UL). ABS Resin, GE Plastics, Cycoloy V-6600, approximately 3 mm thick, rated 94V-O. The rectangular-shaped bottom and sides measure approximately 416 mm high by 310 mm wide by 38 mm deep. Provided with an opening measuring approximately 300 mm high by 230 mm wide for LCD Display. Secured by screws.

2. Unit Enclosure (Top and Sides) – Recognized Component Plastic (UL). ABS Resin, GE Plastics, Cycoloy V-6600, approximately 3 mm thick, rated 94V-O. The U-shaped top and sides measure approximately 36 mm high by 400 mm wide by 433 mm deep. Secured by screws.

3. Unit Enclosure (Bottom and Sides) – Painted aluminum, approximately 2 mm thick. The U-shaped bottom and sides measure approximately 30 mm high by 400 mm wide by 433 mm deep. Secured by screws.

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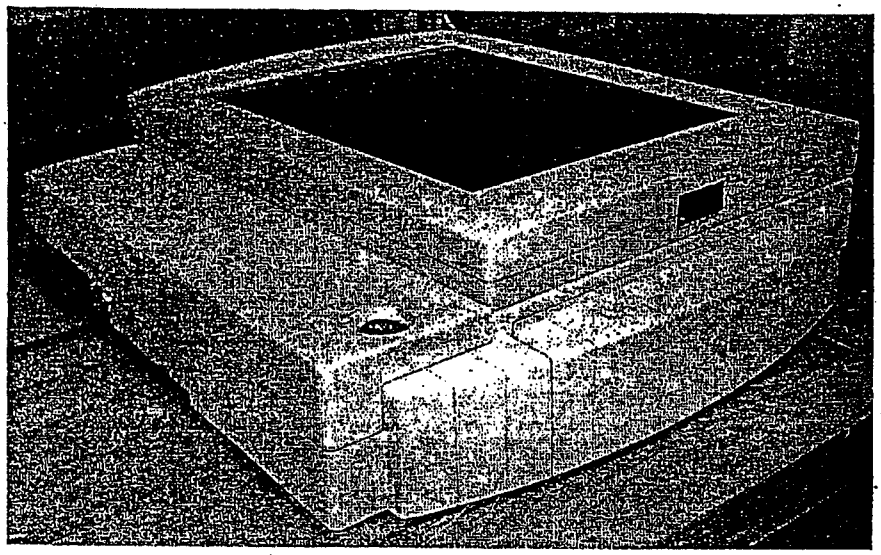

Figure 2
Accuvote TS Unit

General – Figure 2 shows the rear, right side and top view of the Accuvote TS Unit.

1. Unit Enclosure (Display Enclosure) – See Figure 1, Item 1 for details.
2. Unit Enclosure (Top and Sides) – See Figure 1, Item 2 for details.
3. Unit Enclosure (Bottom and Sides) – See Figure 1, Item 3 for details.

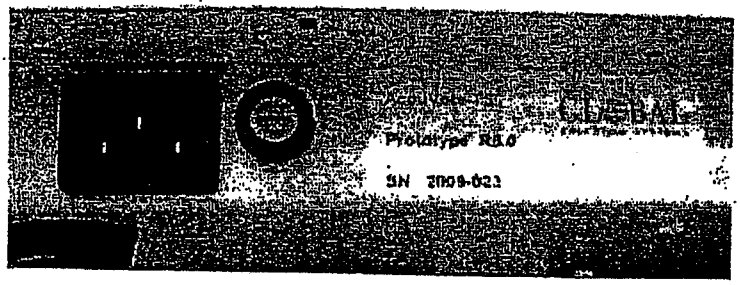

Figure 3
Accuvote TS Unit

General – Figure 3 shows the right side and power inlet.

1. Appliance Inlet – Located in primary circuit. Recognized component (UL). Schurter, Part Number 6100.4215, rated 250 Vac, 10 A, 60 Hz. Snap-fitted in cut-out.

2. Fuse Holder – Located in primary circuit. Recognized component (UL). Littelfuse, Part Numbers 3453LS1-020 and 3453LF1-010, rated 250 V, 20 A, 85°C. Secure in stamped cutout with nut.

3. Fuse – (Not Shown) Located in primary circuit. Recognized component (UL). Littelfuse, Part Number 31201.5, rated 250 V, 1.5 A. Secured in Fuse holder (Item 2).

4. Label – (Not Shown) Mylar type with pressure sensitive adhesive. Located on painted metal. Contains manufacturer's name, nomenclature, model number, electrical ratings (including voltage, current and frequency), serial number, manufacturing location, and FCC compliance statement.

5. Label – (Not shown) Mylar type with pressure sensitive adhesive. Located on painted aluminum. Contains Caution statement regarding fuse replacement.

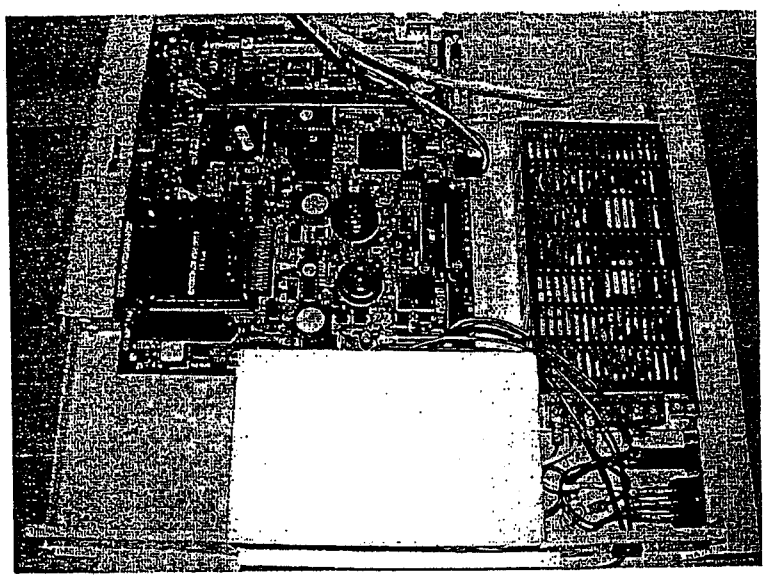

Figure 4
Internal View of Accuvote TS Unit

General – Figure 4 shows an internal view of the Accuvote TS Unit.

1. Internal Battery – Located in SELV circuit. Panasonic, Part Number BR2330, Rated 3V, 255 mAh, 80°C. Secured by soldering.

2. Connectors - Located in SELV circuit. Suitable for the application and voltages applied. See General Requirements.

3. Internal Wiring – Located in SELV circuit. Suitable for the application and voltages applied. See General Requirements.

4. Internal Wiring – Located in the primary circuit. Recognized (UL). 16 AWG, Type AWM, Rated 300 V, 90°C.

5. Power Supply – Located in the primary circuit. Recognized component (UL). Sunpower, Model No. SPS-100-15, rated Input: 264 Vac max., 3 A max., 63 Hz; rated Output: 15 Vdc, 6.8 A, 70°C. Secured by screws.

6. Appliance Inlet – See Figure 3, Item 1 for details.

7. Fuse Holder – See Figure 3, Item 2 for details.

8. Battery – (Not Shown) Located in SELV circuit. Panasonic, Part Number LC-R127R2P(U), Rated 12 Vdc, 7.2 Ahr. Secured by housing.

9. Label – (Not Shown) Mylar type with pressure sensitive adhesive. Located on painted aluminum. Contains Caution statement regarding replacement of the back-up battery.

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ATTACHMENT A
USER SAFETY WARNINGS
AND SAFETY WARNING LABELS

WYLE LABORATORIES, INC.
Page A-2

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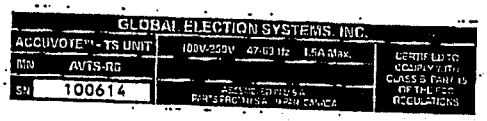

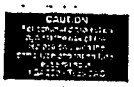

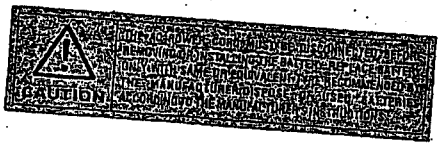

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Global Election Systems, Inc.

Issued: 10/11/2001

The following label and verbiage pertaining to the main backup battery is located behind a cover at the rear of the AccuVote-TS:

Battery backup power for the Accuvote-TS is supplied by a "sealed lead acid" battery. Sealed lead acid batteries are recyclable. When the battery has passed its useful service life, it must be recycled.

Clock battery

The AccuVote-TS clock battery is located on the unit mother board and is to be replaced only be qualified Global Election Systems technicians. The following warning messages are located on the motherboard:

Battery Replacement Warning – CAUTION!

Danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Battery backup power for the real time clock in the Accuvote-TS is provided by a Lithium-Ion battery. Lithium-Ion batteries are recyclable. When the battery has passed its useful service life, it should be recycled.

All Panasonic Lithium Ion batteries are classified by the United States federal government as non-hazardous waste and are safe for disposal in the normal municipal waste stream. Check with your local county or state regulatory agency to ensure compliance with current recycling guidelines. These batteries, however, do contain recyclable materials and are accepted for recycling by the Rechargeable Battery Recycling Corporation's (RBRC) Battery Recycling Program. Call 1-800-8-BATTERY for information on recycling used Lithium Ion batteries or access the RBRC website at www.rbrc.org for additional information.

For further information about the disposal of any Panasonic battery, call 1-877-726-2228 (toll free) or e-mail pembatteries@panasonic.com.

Vote selection

Voters' ballots are programmed to election media, and are retrieved upon voter card insertion into the AccuVote-TS smart card reader. The voter selects a language (if other than English), and proceeds to touch the voting area adjacent to each candidate, response or write-in candidate selection, entering write-in candidates by means of an electronic, touch-sensitive keyboard, subject to the restrictions of the number to vote for programmed for every race and endorsement, and the straight party and write-in voting rules defined for the election.

Candidate selections are changed either by touching the original candidate selection again, then touching the desired candidate, or immediately touching the desired candidate, depending on how the election has been programmed.

As ballots may be contained over more than one page in order to display all races, candidates and text information, the voter may advance forward or backward by touching the corresponding control buttons.

Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

ATTACHMENT B
TEST DATA

WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

Job No.: 46058 Date: 10/4/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

wyle laboratories

Power Interface (Input) Test Data Sheet	Clause	CSA 950(95)/UL 60950	EN 60950
		1.6	1.6

Acceptance Criteria (or Maximum Allowable Limits): Maximum 10% Deviation

Compliance: ☒ Yes ☐ No

Tested by: [signature] Date: 10/4/01
Approved by: [signature] Date: 8 Oct 01

Test No.	Input			
	Volts	Hz	Amps	Watts
1	108 VAC	60	0.492	53.14
2	120 VAC	60	0.456	54.72
3	132 VAC	60	0.425	56.10
4				
5				
6				

	Test Conditions
1	Input current tested at –10% voltage
2	Input current tested at nominal voltage
3	Input current tested at +10% voltage
4	
5	
6	

*For power supply outputs and/or convenience outlet receptacle.

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(nf)

WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

Job No.: 46058 Date: 9/25/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

wyle laboratories

Permanence of Marking Test	Standard	CSA 950(95)/UL 60950	EN 60950	EN 61010-1
	Clause	1.7.13	1.7.13	5.3

Compliance: ☒ Yes ☐ No

Tested by: Jennifer Thomas Date: 9/25/01
Approved by: Richard Brooks Date: 8 Oct 01

Method:

A sample of the marking label was subjected to the following test. The surface of each marking as noted below was rubbed by hand for a period of 15 seconds with a water soaked cloth and again for a period of 15 seconds with a petroleum spirit (Hexane) soaked cloth. The results are listed below.

Test Conditions		
Use of marking?	Good	
Material?	Mylar	
Held By?	Pressure sensitive adhesive	
Applied surface material	Metal	
Observations:	Water	Hexane
Any Damage?	NO	NO
Legible?	YES	YES
Curled?	NO	NO
Edges Lifted?	NO	NO
Easily removed intact?	NO	NO

Comments:

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(bab)

WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

Job No.: 46058 Date: 8/2/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

wyle laboratories

Shock Hazard Measurement Data Sheet	Clause	CSA 950(95)/UL 60950	IEC 950
		2.1	2.1.10

Acceptance Criteria (or Maximum Allowable Limits):

* ≤ 37% of Input Voltage (peak or dc). Note: This test can be waived if
a) Capacitance ≤ 0.1μF; or
b) R x C ≤ 1 sec.

** ≤ 37% of Input Voltage (peak or dc). Note: This test can be waived if
a) Capacitance ≤ 0.1μF; or
b) R x C ≤ 10 sec.

Compliance: ☒ Yes ☐ No

Tested by: Jennifer Thomas Date: 8/2/01
Approved by: Brian A. Peske Date: 8/3/01

Measured Volt	Input Volt/Hz	Location From/To	SW ON/OFF	Time (sec)	Equipment/Situation
120	120/60	Line to Neutral	ON/OFF	1*	Pluggable Type A
				10**	Pluggable Type B
				10**	Permanently Connected

Comments:
Discharge time is 60.0 ms

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(rtf)

WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

Job No.: 46058 Date: 10/3/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

wyle laboratories

Accessibility Test	Standard	CSA 950(95)/UL 60950	EN 60950
	Clause(s)	2.1.2 & 2.8.3	2.1.2 & 2.8.3
Acceptance Criteria (or Maximum Allowable Limits):			
Compliance: ☒ Yes ☐ No	Tested by: Jennifer Jones Date: 10/3/01		
	Approved by: Richard Blume Date: 10/10/01		
The EUT with all operator access covers removed was subjected to this test. A test finger was applied without appreciable force to all apertures, in an attempt to contact hazardous parts. Operator detachable connectors were tested in an attempt to contact hazardous parts. Operator detachable connectors were tested during and after disconnections. Openings preventing the entry of the test finger were further tested by means of a straight unjointed version of the test finger, which was applied with a force of 30 N (6.75 lbs). If entry of the unjointed finger was possible, the test with the articulated test finger was repeated with the finger being pushed through the aperture, if necessary.			
Results: Pass, Not accessible			
The EUT with all operator detachable parts, including fuse holders and lamps were left in place and operator access doors and covers closed, was subjected to this test. A test pin was applied to all apertures located in electrical enclosures, in an attempt to contact hazardous parts.			
Results: Pass, Not accessible			
The EUT employing a safety interlock was subjected to this test. The test finger was applied to all covers, guards, doors, etc., to determine that if inadvertent reactivation of the interlock circuit did occur.			
Results: N/A, No safety interlocks			

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(beb)

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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

Job No.: 46058 Date: 9/27/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

wyle laboratories

Protective Earthing Resistance Measurement	Standard	CSA 950(95)/UL 60950	EN 60950
	Clause	2.6.1	2.5.11

Acceptance Criteria (or Maximum Allowable Limits):

Max 4V drop; Max 0.1 ohm.

Compliance: ☒ Yes ☐ No

Tested by: [signature] Date: 9/27/01
Approved by: [signature] Date: 10/1/01

Earth Path Resistance Measurements:

Test Current*	Max Volt Drop	Test Time **	Calculated Resistance	From	To
25 A	2.19 V	1 min	0.09 ohm	Gnd plug	Chassis door
____ A	____ V	____ min	____ ohm	____	____
____ A	____ V	____ min	____ ohm	____	____
____ A	____ V	____ min	____ ohm	____	____
	(Max allowable 4V)		(Max allowable 0.1 ohm)		

* IEC 950, CSA 950, UL 1950: 1.5 times current capacity (25A max).
CSA 0.4: 2 times overcurrent protection.

** IEC 950, CSA 950, UL 1950: 1 minute.
CSA 0.4: 2 minutes.

Comments:
One clamp connected to the ground prong on cord and one clamp to metal door that covers power switch

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WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

wyle laboratories

MECHANICAL STRENGTH AND STRESS RELIEF

Job No.: 46058 Date: 7/31/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

These measurements were taken in accordance with the following standards:

☒ Underwriters Laboratories 60950; ☐ Canadian Standard C22.2 #950; ☐ European Standard EN 60950;
☐ European Standard 61010-1; ☐ Other:

Section 4.2.2 – Steady Force 10N

A steady force of 10N ± 1N was applied to components and parts, other than parts serving as an Enclosure.

Results: Pass

Section 4.2.3 – Steady Force 30N

The EUT was placed on a suitable surface. A steady force of 30N ± 3N was applied for a period of 5 seconds on four surfaces by means of a straight unjointed test finger.

Results: Pass

Section 4.2.4 – Steady Force 250N

The EUT was placed on a suitable surface. A steady force of 250N ± 10 N was applied for a period of 5 seconds on four surfaces by means of a suitable tool which provided contact over a circular plane surface 30 mm in diameter.

Results: Pass

Section 4.2.5 – Steel Ball Test

With the sample held in a fixed position, a smooth sphere, approximately 50 mm in diameter and weighing 500 g ± 25 g, was allowed to fall horizontally from rest through the distance, 1300 mm required to cause the sphere to strike the sample in three different locations.

Results: Pass – cover over printer paper cracked; no safety hazards

Section 4.2.7 – Mold Stress Relief

A sample consisting of the complete equipment, or of the complete enclosure, together with any supporting framework, is subjected to a circulating air oven to a temperature 10 K higher than the maximum temperature observed during the test of 5.1, but not less than 70 °C, for a period of 7 hours, then permitted to cool to room temperature.

Results: Pass

Technician: Jennifer Thomas Date: 7/31/01
Engineer: Bruce A. Brooks Date: 8 Oct 01

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Sheet No. 1 of 1

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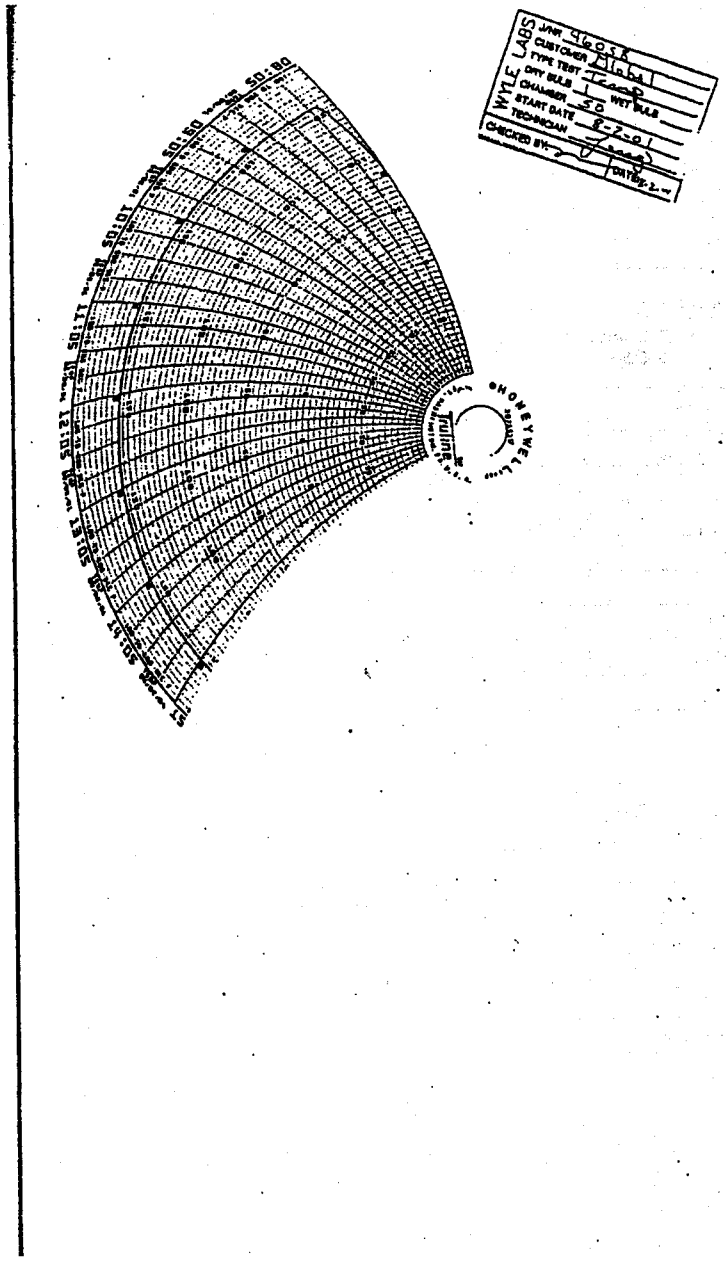
Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001



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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

wyle laboratories

NORMAL TEMPERATURE TEST DATA SHEET

Job No.: 46058 Date: 7/31/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global

These measurements were taken in accordance with the following standards:

☒ Underwriters Laboratories 60950; ☐ Canadian Standard C22.2 #950; ☐ European Standard EN 60950;
☐ European Standard 61010-1; ☐ Other:

TC No.	TC Location	Readings ☒ °C/☐ °F					
1.	Flashdisk	22.8					
2.	U 28	35.4					
3.	U 2	46.1					
4.	PWB	31.2					
5.	U 17	32.2					
6.	C 38	30.2					
7.	CBM	31.2					
8.	Not Used	N/A					
9.	C 1	32.9					
10.	U 55	49.3					

Voltage Input to E.U.T.: 120/60 VAC/Hz
Ambient Temperature: 23 °C Relative Humidity: 51 %
Thermocouple Meter: 116000, 115683
Notes on Data:

Remarks: EUT remained active

Technician: Jennifer Thomas Date: 7/31/01
Engineer: Barbara A Brooks Date: 8 Oct 01

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Sheet No. 1 of 1

WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

x

J b N .: 46058 Date: 7/31/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Cust mer: Global Voting Systems

wyle laboratories

Earth Leakage/Touch and Protective Conductor Current Measurement Data Sheet	Standard	CSA 950(95)/UL 60950	EN 60950
	Clause	5.1	5.1

Acceptance Criteria (or Maximum Allowable Limits):
CSA 950: Table 17 or Cl 5.2.5 (TT or TN Power System), Table G1 or Cl G5 (IT Power System)
CSA 234: Table 14 or Cl 5.2.5 (TT or TN Power System), Table G9 or Cl G5 (IT Power System)
IEC 950: Table 17 or Cl 5.2.5 (TT or TN Power System), Table G1 or Cl G5 (IT Power System)
UL 60950: Table 5A or Cl 5.2.5 (TT or TN Power System), Table G1 or Cl G5 (IT Power System)

Compliance: ☒ Yes ☐ No

Tested by: [signature] Date: 7/31/01
Approved by: [signature] Date: 8Oct01

No.	Leakage (mA)	Input Volt/Hz	Measured Volt	Location	Primary Power Switch*	Filter Name/Type
1	0.28 mA	120/60	N/A	Line-Ground	ON	
2	0.31 mA	120/60	N/A	Line-Ground	OFF	
3	0.31 mA	120/60	N/A	Neutral-Ground	ON	
4	0.32 mA	120/60	N/A	Neutral-Ground	OFF	

Notes:
* Unit under test with:
** Maximum list is 0.25mA for floating output with no components shorted.
*** Maximum limit is 0.5mA with one bridging capacitor shorted; and 0.25mA with both capacitors in circuit.
i. Single-Pole Primary Power Switch: Take four measurements (combination of two mains polarities and two primary power switch positions).
ii. Double-Pole Primary Power Switch: Take two measurements (for two possible mains polarities).

Comments:

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(nf)

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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

Job No.: 46058 Date: 7/31/2001
Specimen ID: AccuVote - TS S/N: 46058-01
Customer: Global Voting Systems

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Electric Strength Test Data Sheet	Standard	CSA 950(95)/UL 60950	EN 60950
	Clause	5.2	5.2

Acceptance Criteria (or Maximum Allowable Limits): No insulation breakdown during test.

Compliance: ☒ Yes ☐ No

Tested by: Jennifer Rowan Date: 7/31/01
Approved by: Barbara Brooks Date: 8 Oct 01

Location	Test Voltage	Result
(A) ON COMPLETE SYSTEM:	1.414	Pass
Primary and Earth		
Primary and SELV Secondary		
Primary and SELV Secondary		
Primary and ___ V Secondary		
Primary and ___ V Secondary		
SELV Secondary and Earth		
SELV Secondary and Earth		
___ V Secondary and Earth		
___ V Secondary and Earth		
(B) ON SAFETY ISOLATING TRANSFORMER:		
Primary and SELV Secondary		
Primary and Core/Screen		
Primary and ELV Secondary		
Secondary and Core		
Between SELV and Secondaries		
Between ELV and SELV Secondaries		
(C) ON TNV CIRCUITS: (Including alternative optical isolators and relays)		
Telephone Ringing Circuit and Earth		
Telephone Ringing Circuit and Secondary Circuits		

Comments:

WH-147J, Rev. May 01

(rl0)

Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

ATTACHMENT C
INSTRUMENTATION EQUIPMENT SHEET

WYLE LABORATORIES, INC.
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Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

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INSTRUMENTATION EQUIPMENT SHEET

DATE: 9/28/01
TECHNICIAN: J.THOMAS

JOB NUMBER: 46058
CUSTOMER: GLOBAL VOTING SYS

TEST AREA: PROD SAFE
TYPE TEST: UL60950

NO.	INSTRUMENT	MANUFACTURER	MODEL #	SERIAL #	WYLE #	RANGE	ACCURACY	CAL DATE	CAL DUE
1	TEMP IND	OMEGA	MDSS41.TC	9230074	115683	MULTI	MFG	9/17/01	9/17/02
2	TEMP RECORDER	DICKSON	THDX	6348805	113410	-20-120°F	1.8°F	8/17/01	8/16/02
3	DMM	FLUKE	87 CATIII	74260258	115802	MULTI	MFG	12/14/00	12/14/01
4	PUSH-PULL GAGE	CHATILLON	DPPH-100	D30156	113736	100LB	1%FS	9/14/01	3/13/02
5	OSCOPE	TEKTRONIX	TDS220	B029064	113941	MULTI	3%	4/18/01	4/18/02
6	IMPACT TSTR	WYLE	424	112266	112266	BALL 516gram	25g/10cm	8/ 6/01	8/ 6/02
7	TEMP IND	OMEGA	MDSS41.TC	4203D6	116000	MULTI	MFG	3/28/01	3/28/02
8	POWER SOURCE	CALIFORNIA INSTR	1251P/232	06627	115806	MFG	MFG	11/22/00	11/22/01
9	IMP MTR	PSC INC	30D	3166	112726	50AMP	1%	9/19/01	9/19/02
10	LEAKAGE TSTR	ED&D	LT-15	B05260061	112404	2mA	1%	8/10/01	8/ 9/02
11	LEAKAGE TSTR	ED&D	LT-15	09980109	114812	2mA	1%	9/19/01	9/19/02
12	HIPOT TSTR	BIDDLE	22005	1203	112587	2.5 - 5KVDC	±2%	8/10/01	2/ 6/02
13	HIPOT TSTR	ASSOC RESEARCH	4030	419	115984	4KVAC 5MA	2%	9/28/01	3/27/02
14	DMM	WAVETEK	16XL	97037856	P37856	MULTI	MFG	9/17/01	9/17/02
15	CALIPER	CHINA	150	109918	109918	150mm	.03mm	7/31/01	1/25/02
16	MICROMETER	CHINA	202-0001	N/A	113791	0-1"	.001"	9/24/01	3/22/02
17	DIAL CALIPER	FOWLER	52-010	G620193	104729	6"	.001"	7/31/01	1/25/02
18	DIAL CALIPER	MITUTOYO	8INCH	505644-50	104798	8"	.001"	9/24/01	3/22/02
19	IMPACT HAMMER	PTL GRABENHORST	F22.50	9701031.3	113422	201.35J	.02J	4/28/00	4/28/03

This is to certify that the above instruments were calibrated using state-of-the-art techniques with standards whose calibration is traceable to the National Institute of Standards and Technology.

INSTRUMENTATION [signature] 9/28/01 CHECKED & RECEIVED BY [signature] 9/28/01

QA [signature] 9/28/01

WYLE LABORATORIES, INC.
Page C-3

Report No.: 46058-02
Global Election Systems, Inc.

Issued: 10/11/2001

wyle laboratories

INSTRUMENTATION EQUIPMENT SHEET

DATE: 8/ 2/01
TECHNICIAN: T.LANG

JOB NUMBER: 46058
CUSTOMER: GLOBAL

TEST AREA: ENV CH 50
TYPE TEST: TEMP

NO.	INSTRUMENT	MANUFACTURER	MODEL #	SERIAL #	WYLE #	RANGE	ACCURACY	CAL DATE	CAL DUE
1	TEMP ALARM	THERMOTRON	12005	263002	094751	-125-375°F	.25%	5/17/01	11/13/01
2	TEMP CONTROLLE	THERMOTRON	6800	N/A	105286	-148 to 437°F	±.25%	5/17/01	11/13/01
3	TEMP RECORDER	HONEYWELL	DR4500	9634Y6268573	112982	-200-600°F	.4°F	5/17/01	8/15/01

This is to certify that the above instruments were calibrated using state-of-the-art techniques with standards whose calibration is traceable to the National Institute of Standards and Technology.

INSTRUMENTATION Troy Lang 8-2-01 CHECKED & RECEIVED BY 8/2/01

Q.A. 8/2/2001

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ATTACHMENT D

SOURCE CODE REVIEW SUMMARY REPORTS