

ATTACHMENT A
500 POSITION BALLOT TEST
(Ballot and Machine Totals Report)

TO VOTE, COMPLETELY FILL IN THE OVAL TO THE LEFT OF THE CANDIDATE OF

A1	RACE 1	B1	RACE 2	C1	RACE 3	D1	RACE 4
A2		B2		C2		D2	
A3		B3		C3		D3	
A4		B4		C4		D4	
A5		B5		C5		D5	
A6		B6		C6		D6	
A7		B7		C7		D7	
A8		B8		C8		D8	
A9		B9		C9		D9	
A10		B10		C10		D10	
A11		B11		C11		D11	
A12		B12		C12		D12	
A13		B13		C13		D13	
A14		B14		C14		D14	
A15		B15		C15		D15	
A16		B16		C16		D16	
A17		B17		C17		D17	
A18		B18		C18		D18	
A19		B19		C19		D19	
A20		B20		C20		D20	
A21		B21		C21		D21	
A22		B22		C22		D22	
A23		B23		C23		D23	
A24		B24		C24		D24	
A25		B25		C25		D25	
A26		B26		C26		D26	
A27		B27		C27		D27	
A28		B28		C28		D28	
A29		B29		C29		D29	
A30		B30		C30		D30	
A31		B31		C31		D31	
A32		B32		C32		D32	
A33		B33		C33		D33	
A34		B34		C34		D34	
A35		B35		C35		D35	
A36		B36		C36		D36	
A37		B37		C37		D37	
A38		B38		C38		D38	
A39		B39		C39		D39	
A40		B40		C40		D40	
A41		B41		C41		D41	
A42		B42		C42		D42	
A43		B43		C43		D43	
A44		B44		C44		D44	
A45		B45		C45		D45	
A46		B46		C46		D46	
A47		B47		C47		D47	
A48		B48		C48		D48	
A49		B49		C49		D49	
A50		B50		C50		D50	
A51		B51		C51		D51	
A52		B52		C52		D52	
A53		B53		C53		D53	
A54		B54		C54		D54	
A55		B55		C55		D55	
A56		B56		C56		D56	
A57		B57		C57		D57	
A58		B58		C58		D58	
A59		B59		C59		D59	
A60		B60		C60		D60	
A61		B61		C61		D61	
A62		B62		C62		D62	
A63		B63		C63		D63	

500 Position Ballot

 TEST RESULTS REPORT

 WYLE TEST
 500
 DATE: 07/29/96 TYPE: G
 POLL CTR: 1.00
 TIME: 11:18:05 08/02/96

 ** PRECINCT: 1.00 **

 BALLOTS TOTAL
 TOTAL 6

 RACE 1
 RACE # 1 PARTY:

A1	0
A2	0
A3	0
A4	0
A5	6
A6	0
A7	0
A8	0
A9	0
A10	0
A11	0
A12	0
A13	0
A14	0
A15	0
A16	0
A17	0
A18	0
A19	0
A20	0
A21	0
A22	0
A23	0
A24	0
A25	0
A26	0
A27	0
A28	0
A29	0
A30	0
A31	0
A32	0
A33	0
A34	0
A35	0
A36	0
A37	0
A38	0
A39	0
A40	0
A41	0
A42	0
A43	0
A44	0
A45	0
A46	0
A47	0
A48	0
A49	0
A50	0
A51	0
A52	0

B55	0
B56	6
B57	0
B58	0
B59	0
B60	0
B61	0
B62	0
B63	0

 RACE 2
 RACE # 2 PARTY:

B1	0
B2	0
B3	0
B4	0
B5	0
B6	6
B7	0
B8	0
B9	0
B10	0
B11	0
B12	0
B13	0
B14	0
B15	0
B16	0
B17	0
B18	0
B19	0
B20	0
B21	0
B22	0
B23	0
B24	6
B25	0
B26	0
B27	0
B28	0
B29	0
B30	0
B31	0
B32	0
B33	0
B34	0
B35	0
B36	0
B37	0
B38	0
B39	0
B40	0
B41	0
B42	0
B43	0
B44	0
B45	0
B46	0
B47	0
B48	0
B49	0
B50	0
B51	0
B52	0
B53	0
B54	0
B55	0
B56	0
B57	0
B58	6

B60	0
B61	0
B62	0
B63	0

 RACE 3
 RACE # 3

C1	0
C2	0
C3	0
C4	0
C5	0
C6	0
C7	0
C8	0
C9	0
C10	0
C11	0
C12	0
C13	0
C14	0
C15	0
C16	0
C17	0
C18	0
C19	0
C20	0
C21	0
C22	0
C23	0
C24	0
C25	6
C26	0
C27	0
C28	0
C29	0
C30	0
C31	0
C32	0
C33	0
C34	0
C35	0
C36	0
C37	0
C38	0
C39	0
C40	0
C41	0
C42	0
C43	0
C44	0
C45	0
C46	0
C47	0
C48	0
C49	0
C50	0
C51	0
C52	0
C53	0
C54	0
C55	0
C56	0
C57	0
C58	0
C59	0
C60	0
C61	0
C62	0
C63	0

Page No. A-5
 Test Report No. 44908-01
 PARTY:

500 Position Ballot
 Machine Totals
 1 of 3

ATTACHMENT B
FCC PART 15, CLASS B

FCC DATA SHEET

Customer: GLOBAL
 Test Specimen: VOTING MACHINE
 Specimen Nomenclature: Accu-VOTE
 Serial No.: N/A
 Measurement Point: 3 ft From Front

Date: 07/18/96
 Job No.: 44908-00
 Freq. Range of Test: 30 - 1000 MHz
 Mode of Operation: ACTIVE
 Measurement Technique:

Type of Measurement:
 Radiated
 Conducted

Quasi-peak
 Peak
 Average
 RMS
 Slideback

Test Frequency (MHz)	Meter Indication (dBμV)	Correction Factors (dB)				Corrected Reading (dBμV)	FCC CLASS B Limit (dBμV)	Remarks
		A	B	C	D			
135.30	27.20	12.19	1.00			40.39	43.50	Pass
142.90	28.00	12.70	1.10			41.80	43.50	Pass
211.70	19.10	13.46	1.90			34.46	43.50	Pass
225.00	22.30	14.91	2.00			39.11	46.00	Pass
225.00	21.60	14.91	2.00			38.41	46.00	Pass

A = Antenna Factor B = Cable Loss C = _____ D = _____

Technician: [Signature] Date 7/18/96
 Engineer: [Signature] Date 7/18/96

ATTACHMENT C
PRODUCT MARKING

GLOBAL ELECTION SYSTEMS INC.			
ACCU-VOTE UNIT	115V 60Hz 1.0Amp	CERTIFIED TO COMPLY WITH CLASS A, PART 15 OF THE FCC REGULATIONS	 SE1 6J07 LISTED I.T.E.
MN 79810-02			
SN 72152	ASSEMBLED IN USA PARTS FROM USA, JAPAN, CANADA		

CAUTION - For continued protection against the risk of fire, replace only with the same type and rating fuse. Fuse rating is 1.0 A 250 V.

ATTACHMENT D
SOURCE CODE SUMMARY REPORTS/RESPONSES

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Global Election System Software Review Summary

Version 1.94

We reviewed version 1.94a of the Global Election System software to evaluate its compliance with the FEC guidelines for software quality and reliability. Our review included, but was not limited to, the following considerations:

- | | |
|----------------------|---|
| 1. Readability | How straightforward and apparent was the design? |
| 2. Understandability | How complicated was the code to implement it? |
| 3. Modularity | How well was the code divided into logical, functional units? |
| 4. Robustness | How well does the code handle error conditions or unexpected inputs? |
| 5. Security | Does the code protect the integrity of voting data at all times? |
| 6. Maintainability | How easy would it be to extend, fix, or modify this code in the future? |
| 7. Consistency | Was the design of the code coherent throughout? |
| 8. Documentation | Does the code contain useful and frequent comments? |
| 9. Usability | Does the code inform the user about progress or errors? |
| 10. Flow control | Are control constructs and entry/exit points logical and controlled? |

The review report detailed specific instances where we felt that the code fell short in some area being reviewed, and gave file names and line numbers where applicable to guide the maintainers in making needed corrections. We identified some areas where improvement is needed in non-critical areas, and those changes should be addressed in future versions of this software.

After reviewing the code we feel comfortable in stating that the code is maintainable. For the most part, the code was well-written and no noteworthy anomalies existed. In some spots the excessive de-referencing becomes cumbersome, and pointer arithmetic is often used where array indexing would be much more readable. There were many instances of functions with multiple return points. The code should be modified to conform to Appendix E specifications where it currently does not. When the problems outlined below are addressed, we would recommend that it be certified.

Evaluation

This document is arranged as follows:

- 1) Source File Specific Notes**
- 2) General Observations**
- 3) Assessment Statements**
- 4) Revision Assessments**
- 5) Final Assessment Statements**

1. Source File Specific Notes

We reviewed the following files:

abinterp.c, .h
ac2000.c, .cfg, .h, .lnk
audit.c, .h
backproc.c, .h
baldrv.asm
ballot.c, ballot.h
boot.asm, boot.inc
checksum.c, .h
clockdrv.asm
commlib.c, .h
count.c, .h
dcondev.c
debug.c, .h
deflect.c, .h
devio.c, .h
diagmode.c, .h
dmactrl.c, .h
download.c, .h
election.c, .h
feeder.c, .h
interrupt.c, .h
language.h
lcddev.c, .h
lptdev.c, .h
makefile
malloc.c, .h
memcard.c, .h
memory.c, .h
modem.c, .h
nulldev.c, .h
powermon.c, .h
ptrdev.asm
siodev.c, .h
socket.c, .h
stdio.c, .h
supervis.c, .h
sysctrl.c, .h
tally.c, .h
time.c, .h
typedefs.h
upload.c
usmsg.h

Comments on specific files follow. Note that not every occurrence of some classes of notes (uncommented comments, for instance) are not always noted in every place where they occur, for the sake of brevity.

Abinterp.c

Line 683,774,861,904,938,991,1024,1073,1257,1634,1649: functions contain multiple return statements.
Line 1898: comment says "right now we just realloc always" yet line 1911 calls malloc.
Line 1910: free() called without validating contents of pointer.

Ac2000.c:

Line 204: unexitable for() loop.
Line 671: unexplained/unobvious constants for electionStatus

Ac2000.h:

Line 283: function of 64 lines has 30 return statements.

Ballot.c:

Line 352,1068: for() could be a while().
Line 1290: assignment at initialization is immediately overwritten by first statement in function.
Line 1530,1538,1543,1551: kinda involved.

Checksum.c:

Line 86,109,129,150,179,200,223: return statements that aren't real obvious.
Line 226: no guarantee from the above code that this value will be 0 as the comment in line 52 asserts.
There are other places where multiple returns exist following abortive errors.
Line 399: no guarantee from the above code that this value will be 0 as the comment in line 255 asserts.

Clockdrv.asm:

Line 211,219: duplicate labels for the same code.

Count.c:

Line 217: variable types not declared in function definition, only names.
Line 1853: multiple executables on one line.
Line 1350: 750+ line function.

Dcondev.c:

Line 51: useless function, but nobody calls it.

Devio.c:

Line 51: what is this? still adding base pointers..

Diagmode.c:

Line 195,233: why is the do-it-3-times for() loop necessary?
Line 231: sedate can be given an illegal date (feb 31, june 31, etc)
Line 587: why icntmin changed from 0 to 70 to 54 to 42 to 0? will it even get to 54 and 42?

Download.c:

Line 161: 5 returns in 14-line function.

Line 239: memcardallocString could return NULL to electionHeader.electionTitle1 but is not checked to assure against it. this will lead to erroneous checksum being calculated in checksum.c, line 423.

Line 320: memcardallocString could return NULL to precincts[0].districtName[0] but is not checked to assure against it.

Interupt.c:

Line 21:isrtrap() exists also in boot.asm, line 539.

Lptdev.c:

Line 106: why does enabling printer timing interrupt require &'ing 0xC0, but disabling require 'ing 0x40?

Line 187: rather involved.

Line 208: rather involved.

Line 365,387: rather involved.

Line 500: rather involved.

Nulldev.c:

These are empty functions that do nothing but return the value given them.

Stdio.c:

Line 496: xprintf is 497 lines long.

Line 633: why modulo 101 decimal?

Line 1112: *(char **)?

Time.c:

Line 104,106: does not allow for fact that 2000 is not a leap year.

Upload.c:

Line 110: function of 44 lines has 10 returns, although readable.

2. General Observations

- In .asm files, it is good to use local labels when possible to prevent having multiple entry points from other assembly modules.
- Functions often have prologues that explain well what is happening, but very few in-line comments to explain how the code is implementing the action. This becomes increasingly important as de-referencing becomes deeper and deeper.
- Using pointer arithmetic instead of array indices, especially regarding pointers to structures and arrays of structures, is not as clear as using indices, and should be avoided.
- There are many goto statements and functions with multiple returns. The FEC guideline is very clear that these are to be avoided, and we would recommend that many of these be removed.

3. Assessment Statements

The 1.94a code is maintainable. The very common use of function prologues is very good, although some functions are missing one. The software spec was excellent, and the use of a coding standard showed good design methods. Note that some of the standards in the GES coding standard disagreed with the FEC Appendix E guidelines, the standard by which we review code. The variables and functions are mnemonically named for the most part. In some spots the excessive de-referencing becomes cumbersome. The use of multiple returns was somewhat excessive, and should be reduced. There were a number of cases with undocumented constants, and a few problems with memory allocation routines and failing to check return values. In addition, functions with long stretches of un-commented code should have some commenting added to guide the reader through the code. Last, there are several functions which are far too long (several hundred lines) that should be broken into smaller units (the FEC guidelines recommend no more than 240 lines per function).

The code should be modified to conform to Appendix E specifications where it currently does not. When the problems outlined above are addressed, we would recommend that it be certified.

4. Revision Assessments

We received and reviewed version 1.94b, which addressed most of the issues raised in the 1.94a review. However, we still found some very long functions, notably in the count.c module. We recommend that these long functions be broken up before this code is certified. In addition, there were a few unresolved fixes in count.c

On July 19, 1996, We received and reviewed version 1.94d, which moved the main long function from count.c and broke it up into smaller functions in a new module, tally.c. In addition, it addressed the remaining concerns in count.c. We recommend that version 1.94d be certified.

On July 19, 1996, we received and reviewed a new version of version 1.94d, which included some code changes initiated by GES. We reviewed the changes and found that they either had no negative effect or improved the existing code. We still recommend that version 1.94d be certified.

On July 25, 1996, we received and reviewed version 1.94e, which fixed a problem found during functional testing in the deflect.c module. We reviewed the changes and found that they either had no effect negative or improved the existing code. We recommend that version 1.94e be certified.

On August 1, 1996, we received and reviewed version 1.94f, which fixed problems found during functional testing in modules upload.c and accuvote.c. Later, we received more, similar fixes to powermon.c, usmsg.h, audit.c, and audit.h. We reviewed the changes and found that they either had no negative effect or improved the existing code. We recommend that version 1.94f be certified.

5. Final Assessment Statements

After addressing the major concerns, and including a number of minor revisions to correct problems found during functional testing, we believe the 1.94f version of the code is maintainable. We recommend that this version of the code be certified as substantially conforming to the FEC guidelines.

Rheyn Technologies, Inc.

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ATTACHMENT E

BALLOT LOGIC/SOFTWARE SYSTEM FUNCTIONAL

(Functional Test Check Sheet, Test Script, Ballot Test Cases and Reports).

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Summary of Functional Testing

TEST	PASS	FAIL	COMMENTS
1. Administrative Setup	✓		
2. Election Setup	✓		
3. Ballot Setup	✓		
4. Ballot Layout	✓		
5. Proof Sheets	✓		
6. Output Products	✓		
7. Warehouse Preparation	✓		
8. Test Election	✓		
9. Machine Setup	✓		
10. Poll Opening	✓		
11. Voting	✓		REFERENCE NOA# 3
12. Polls Closed	✓		
13. Audit Trail Reports	✓		
14. Report Generation	✓		REFERENCE NOA# 2
			

Test Script I

Voting Machine S/N 12028

Verify the voting machine's display/responses are in agreement with those as detailed within the procedures of the Accu-Vote ES-2000 Operator's Guide, Version 1.92t.

1.0 SETTING UP THE ACCU-VOTE

1.1 Setting up the Accu-Vote to program memory cards. (Reference Pages 5-1 through 5-3 of the Accu-Vote Operator's Guide.)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

1.2 Setting up the Accu-Vote for ballot processing. (Reference Pages 5-3 through 5-5 of the Accu-Vote Operator's Guide.)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

1.3 Setting up the Accu-Vote on election day. (Reference Pages 5-5 through 5-7 of the Accu-Vote Operator's Guide.)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

1.4 Closing the polls on election day. (Reference Pages 5-7 through 5-9 of the Accu-Vote Operator's Guide.)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2.0 PRE-ELECTION MODE

2.1 Accu-Vote prompts with blank memory card. (Reference Page 6-3 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2.2 Accu-Vote prompts with programmed memory card. (Reference Pages 6-3 through 6-5 of the Accu-Vote Operator's Guide)

Pass Fail Comments

2.3 Moving the ballot deflector. (Reference Pages 6-6 through 6-8 of the Accu-Vote Operator's Guide)

Pass Fail Comments

2.4 Preparing for the election. (Reference Page 6-8 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.0 ELECTION MODE

3.1 Setting up the Accu-Vote at the polling place. (Reference Page 7-1 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.2 Power the Accu-Vote on. (Reference Page 7-2 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.3 Printing the Election Zero Report. (Reference Page 7-2 through 7-3 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.4 Counting ballots. (Reference Page 7-4 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.5 Absentee ballots. (Reference pPages 7-4 through 7-5 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.6 Electronically locking the Accu-Vote. (Reference Pages 7-5 through 7-6 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.7 Ballot acceptance. (Reference Pages 7-6 through 7-7 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.8 Printing the Election Results Report. (Reference Pages 7-7 through 7-8 of the Accu-Vote Operator's Guide)

Pass Fail Comments

3.9 Remaining prompts. (Reference pPages 7-8 through 7-9 of the Accu-Vote Operator's Guide)

Pass Fail Comments

4.0 POST-ELECTION MODE

4.1 Post-Election Mode Prompts. (Reference Pages 8-2 through 8-4 of the Accu-Vote Operator's Guide)

Pass Fail Comments

5.0 PROGRAMMING MEMORY CARDS

5.1 Programming memory cards directly. (Reference Pages 9-2 through 9-4 of the Accu-Vote Operator's Guide)

Pass Fail Comments

5.2 Aborting memory card programming from the download console. (Reference Pages 9-9 through 9-10 of the Accu-Vote Operator's Guide)

Pass Fail Comments

5.3 Interrupting memory card programming on the Accu-Vote. (Reference Pages 9-10 through 9-11 of the Accu-Vote Operator's Guide)

Pass Fail Comments

6.0 TESTING BALLOT CARDS

6.1 Accu-Vote prompts. (Reference Pages 10-1 through 10-2 of the Accu-Vote Operator's Guide)

Pass Fail Comments

6.2 Marking test ballot cards. (Reference Pages 9-10 through 9-11 of the Accu-Vote Operator's Guide)

Pass Fail Comments

6.3 Testing unvoted ballot cards. (Reference Pages 10-1 through 10-2 of the Accu-Vote Operator's Guide)

Pass Fail Comments

6.4 Testing fully voted ballots. (Reference Pages 10-5 through 10-7 of the Accu-Vote Operator's Guide)

Pass Fail Comments

6.5 Counting test ballots. (Reference Pages 10- 7 through 10-10 of the Accu-Vote Operator's Guide)

Pass Fail Comments

6.6 Recirculating ballots. (Reference Pages 10-12 through 10-14 of the Accu-Vote Operator's Guide)

Pass Fail Comments

7.0 ANALYZING UNACCEPTED BALLOTS

7.1 Analyzing unaccepted ballots. (Reference Pages 11-1 through 11-16 of the Accu-Vote Operator's Guide)

Pass Fail Comments

8.0 ZERO TOTAL REPORTS

8.1 Pre-Election Mode. (Reference Pages 14-7 through 14-13 of the Accu-Vote Operator's Guide)

Pass Fail Comments

8.2 Election Mode. (Reference Pages 14-14 through 14-15 of the Accu-Vote Operator's Guide)

Pass Fail Comments

9.0 ELECTION RESULTS REPORTS

9.1 Pre-Election Mode. (Reference Pages 15-7 through 15-14 of the Accu-Vote Operator's Guide)

Pass Fail Comments

9.2 Election Mode. (Reference Pages 15-14 through 15-16 of the Accu-Vote Operator's Guide)

Pass Fail Comments

9.3 Post-Election Mode. (Reference Pages 15-16 through 15-18 of the Accu-Vote Operator's Guide)

Pass Fail Comments

10.0 AUDIT REPORTS

10.1 Printing the Audit Report. (Reference Pages 16-6 through 16-7 of the Accu-Vote Operator's Guide)

Pass Fail Comments

11.0 SUPERVISOR FUNCTIONS

11.1 Pre-Election Mode. (Reference Pages 17-1 through 17-2 of the Accu-Vote Operator's Guide)

Pass Fail Comments

11.2 Election Mode. (Reference Pages 17-2 through 17-3 of the Accu-Vote Operator's Guide)

Pass Fail Comments

11.3 Post-Election Mode. (Reference Pages 17-3 through 17-4 of the Accu-Vote Operator's Guide)

Pass Fail Comments

11.4 Entering a password. (Reference Pages 17-4 through 17-6 of the Accu-Vote Operator's Guide)

Pass Fail Comments

11.5 Resetting the memory card to Pre-Election mode. (Reference Pages 17-6 through 17-8 of the Accu-Vote Operator's Guide)

Pass Fail Comments

11.6 Clearing the Memory Card. (Reference Pages 17-8 through 17-12 of the Accu-Vote Operator's Guide)

Pass Fail Comments

12.0 RESUME COUNTING

12.1 Setting the memory card to Resume Counting Mode. (Reference Pages 18-1 through 18-5 of the Accu-Vote Operator's Guide)

Pass Fail Comments

13.0 SETUP MODE

13.1 Setup prompts. (Reference Pages 19-1 through 19-2 of the Accu-Vote Operator's Guide)

Pass Fail Comments

13.2 Changing the telephone number. (Reference Pages 19-2 through 19-3 of the Accu-Vote Operator's Guide)

Pass Fail Comments

N/A MODEM OPERATION NOT TESTED

13.3 Attaching the AccuFeed. (Reference Pages 19-3 through 19-5 of the Accu-Vote Operator's Guide)

Pass Fail Comments

N/A ACCU-FEED OPERATION NOT TESTED

13.4 Redirecting Output Devices. (Reference Pages 19-5 through 19-7 of the Accu-Vote Operator's Guide)

Pass Fail Comments

13.5 Memory card labels. (Reference Page 19-8 of the Accu-Vote Operator's Guide)

Pass Fail Comments

13.6 Zero Total report. (Reference Page 19-9 of the Accu-Vote Operator's Guide)

Pass Fail Comments

13.7 Election Results report. (Reference Page 19-10 of the Accu-Vote Operator's Guide)

Pass Fail Comments

13.8 Saving Settings. (Reference Pages 19-17 through 19-18 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.0 DIAGNOSTIC MODE

14.1 Diagnostic Mode Prompts. (Reference Page 20-2 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.2 Setting the system clock. (Reference Pages 20-3 through 20-7 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.3 Testing the LCD. (Reference Page 20-8 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.4 Testing the system memory. (Reference Pages 20-8 through 20-9 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.5 Testing the memory card. (Reference Pages 20-9 through 20-12 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.6 Testing the printer. (Reference Page 20-12 of the Accu-Vote Operator's Guide)

Pass Fail Comments

14.7 Testing the main serial port. (Reference Page 20-13 of the Accu-Vote Operator's Guide)

Pass Fail Comments

N/A

14.8 Testing the auxially serial port. (Reference Pages 20-15 through 20-17 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input type="checkbox"/>	<input type="checkbox"/>	VIA

14.9 Testing the ballot deflector. (Reference Page 20-17 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

14.10 Testing the ballot reader. (Reference Pages 20-18 through 20-29 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

15.0 ACCU-VOTE MESSAGES

15.1 Accu-Vote Message Prompts. (Reference Pages 22-1 through 22-31 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

16.0 MAINTENANCE

16.1 Printer paper. (Reference Page 23-1 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

16.2 Printer ribbon. (Reference Pages 23-3 through 23-4 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

16.3 Battery. (Reference Pages 23-4 through 23-7 of the Accu-Vote Operator's Guide)

Pass	Fail	Comments
<input checked="" type="checkbox"/>	<input type="checkbox"/>	

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Ballot Test Case A

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TEST RESULTS REPORT

Primary Election, Wyle

Labs

Ballot Test Case A

DATE: 04/29/96 TYPE: P

POLL CTR: 1.00

VERSION:13 COPY: 0

COUNT:1 SIZE: 32

ACCU-VOTE RELEASE: 1.94d

PRECINCT CHECK: 108457

COUNTER CHECK: 997

TIME: 11:15:12 07/22/96

== OPTIONS SETTINGS ==

REJECT BALLOTS WITH:

OVERVOTED RACES YES

BLANK VOTED RACES NO

UNDERVOTED RACES NO

ALL RACES BLANK NO

STR PARTY OVERVOTES NO

MULTI-PARTY VOTES NO

DUPLICATE VOTES NO

PRINT OVERRIDE LOG FOR:

OVERVOTED RACES YES

BLANK VOTED RACES NO

UNDERVOTED RACES NO

ALL RACES BLANK NO

STR PARTY OVERVOTES NO

MULTI-PARTY VOTES NO

DUPLICATE VOTES NO

COPIES MADE 0

ABS TALLY OPTION 0

MESSAGE DELAY 10

SORT WRITE-IN VOTES YES

SORT BLANK BALLOTS NO

COUNT DUPLICATES NO

COUNT MULTI-VOTES NO

SINGL BALLOT PRIMARY NO

ADDITIVE STR PARTY NO

COMBINED STR PARTY NO

** PRECINCT: 1.00 **

BALLOTS CAST

CARD TOTAL

10000 19

10001 11

10002 26

TOTAL 56

BALLOTS CAST SUMMARY

BLANK VOTED 0

OVERVOTED 3

UNDERVOTED 52

WRITE-IN 20

Presidential Preference

Vote for one (1)

RACE # 1 PARTY:DEM

RUNNING 3

TO VOTE FOR 1

TIMES COUNTED 19

TIMES OVERVOTED 1

TIMES BLANK VOTED 12

Candidate One 1

Candidate Two 2

Candidate Three 3

Committed Delegates

Vote for one (1) Group

RACE # 2 PARTY:DEM

RUNNING 3

TO VOTE FOR 1

TIMES COUNTED 19

TIMES OVERVOTED 1

TIMES BLANK VOTED 12

Candidate One Delesa 1

Candidate Two Delesa 2

Candidate Three Delesa 3

Committed & Uncommitted

Delegates at Large

RACE # 3 PARTY:DEM

RUNNING 5

TO VOTE FOR 3

TIMES COUNTED 19

TIMES OVERVOTED 1

TIMES BLANK VOTED 3

UNDER VOTES 30

Delesate One 1

Delesate Two 2

Delesate Three 3

Delesate Four 4

Delesate Five 5

United State Senator

Vote for one (1)

RACE # 4 PARTY:DEM

RUNNING 3

TO VOTE FOR 1

TIMES COUNTED 19

TIMES OVERVOTED 1

TIMES BLANK VOTED 9

WRITE-INS 3

Candidate One 1

Candidate Two 2

Candidate Three 3

County Board of Super.

Vote for no more than 2

RACE # 5 PARTY:DEM

RUNNING 5

TO VOTE FOR 2

TIMES COUNTED 19

TIMES OVERVOTED 1

TIMES BLANK VOTED 0

UNDER VOTES 19

WRITE-INS 0

Candidate One 1

Candidate Two 2

Candidate Three 3

Candidate Four 4

Candidate Five 5

Board of Education, D13

Vote for no more than 3

RACE # 6 PARTY:

RUNNING 5

TO VOTE FOR 3

TIMES COUNTED 56

TIMES OVERVOTED 3

TIMES BLANK VOTED 14

UNDER VOTES 78

WRITE-INS 9

Candidate One 2

Candidate Two 4

Candidate Three 6

Candidate Four 8

Candidate Five 10

Constitutional Amendment

RACE # 7 PARTY:

RUNNING 2

TO VOTE FOR 1

TIMES COUNTED 56

TIMES OVERVOTED 3

TIMES BLANK VOTED 47

YES 2

NO 4

Presidential Preference

Vote for one (1)

RACE # 11 PARTY:REP

RUNNING 4

TO VOTE FOR 1

TIMES COUNTED 26

TIMES OVERVOTED 1

TIMES BLANK VOTED 15

Candidate One 1

Candidate Two 2

Candidate Three 3

Candidate Four 4

```

Committed Delegates
Vote for one (1) group
RACE # 12 PARTY:REP
# RUNNING 4
# TO VOTE FOR 1

# TIMES COUNTED 26
# TIMES OVERTVOTED 1
# TIMES BLANK VOTED 15
Candidate One Deless 1
Candidate Two Deless 2
Candidate Three Dele 3
Candidate Four Deles 4
*****
Committed & Uncommitted
Delegates At Large
RACE # 13 PARTY:REP
# RUNNING 9
# TO VOTE FOR 3

# TIMES COUNTED 26
# TIMES OVERTVOTED 1
# TIMES BLANK VOTED 8
# UNDER VOTES 58
Delesate One 1
Delesate Two 2
Delesate Three 3
Delesate Four 4
Delesate Five 5
Delesate Six 1
Delesate Seven 2
Delesate Eight 3
Delesate Nine 4
*****
United States Senator
Vote for one (1)
RACE # 14 PARTY:REP
# RUNNING 3
# TO VOTE FOR 1

# TIMES COUNTED 26
# TIMES OVERTVOTED 1
# TIMES BLANK VOTED 15
# WRITE-INS 4
Candidate One 1
Candidate Two 2
Candidate Three 3
*****
County Board of Super.
Vote for no more than 2
RACE # 15 PARTY:REP
# RUNNING 5
# TO VOTE FOR 2

# TIMES COUNTED 26
# TIMES OVERTVOTED 1
# TIMES BLANK VOTED 9
# UNDER VOTES 15
# WRITE-INS 2
Candidate One 1
Candidate Two 2
Candidate Three 3
Candidate Four 4
Candidate Five 5
*****
  
```

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

**** SIGNATURES ****

```

*****
Primary Election, Wale
Labs
Ballot Test Case A
DATE: 04/29/96 TYPE: P
POLL CTR: 1.00

VERSION:13 COPY: 0
COUNT:1 SIZE: 32
ACCU-VOTE RELEASE: 1.94d
PRECINCT CHECK: 108457
COUNTER CHECK: 997
  
```

```

*****
*** AUDIT REPORT ***
*****
TIME: 11:17:59 07/22/96

ELECTION STATUS 1

*** PRE-ELECTION: ***
# BALLOT TESTS 3
# TEST UPLOADS 0

*** ELECTION: ***
# TIMES RESTARTED 0
# NON-ABS BALLOTS 56
# ABSENTEE BALLOTS 0
# TOTAL BALLOTS 56

*** OVERRIDES: ***
OVERTVOTED RACE 48
BLANK VOTED RACE 0
UNDERTVOTED RACE 0
BLANK VOTED CARD 0
STR. PARTY OVERTVOTE 0
MULTI-PARTY VOTE 0
DUPLICATE CAND. VOTE 0
OVERSIZE MARK 0
CARD OVERRIDES 9

*** REPORTS PRINTED: ***
# DOWNLOAD ZERO 1
# ELECTION ZERO 0
# ELECTION RESULTS 0
# TEST ZERO 0
# TEST RESULTS 3
# AUDIT REPORTS 0

*** TRANSACTION LOG: ***
1 INITIALIZED 10:52
DATE: 07/22/96
2 DOWNLOAD START 10:52
3 CLEAR COUNTERS 10:53
4 DOWNLOAD END 10:53
5 SESSION START 10:53
DATE: 07/22/96
6 CLEAR COUNTERS 10:56
7 BAL TEST START 10:56
8 OVERRIDE 10:59
9 OVERRIDE 10:59
10 OVERRIDE 10:59
11 ENDER CARD 11:00
12 CLEAR COUNTERS 11:05
13 BAL TEST START 11:05
14 OVERRIDE 11:08
15 OVERRIDE 11:08
16 OVERRIDE 11:08
17 ENDER CARD 11:08
18 CLEAR COUNTERS 11:11
19 BAL TEST START 11:11
20 OVERRIDE 11:14
21 OVERRIDE 11:14
22 OVERRIDE 11:14
23 ENDER CARD 11:15
*****
  
```

DATE : 08/03/96
 TIME : 15:47:22
 PAGE : 1

T E S T S T A T I S T I C S O F V O T E S C A S T
 Primary Election, Nys Labs Ballot Test Case A

Canvass Reports verified to be correct as reviewed against the Machine generated Totals Tapes.

Percents based on votes cast

RACE		Presidential Preference Vote for one (1)									
JURISDICTION WIDE REPORT		Candidate One					Candidate Three				
CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%
0	0	0	1	1	16.7	0	0	0	2	2	33.3
0	0	0	1	1	16.7	0	0	0	2	2	33.3
TEST PRECINCT 1		0	0	0	1	16.7	0	0	0	2	33.3
TOTAL		0	0	0	1	16.7	0	0	0	2	33.3

RACE		Committed Delegates Vote for one (1) Group									
JURISDICTION WIDE REPORT		Candidate Two Delegates					Candidate Three Delegate				
CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%
0	0	0	1	1	16.7	0	0	0	2	2	33.3
0	0	0	1	1	16.7	0	0	0	2	2	33.3
TEST PRECINCT 1		0	0	0	1	16.7	0	0	0	2	33.3
TOTAL		0	0	0	1	16.7	0	0	0	2	33.3

RACE		Committed & Uncommitted Delegates at Large																					
JURISDICTION WIDE REPORT		Delegate One				Delegate Two				Delegate Three				Delegate Four				Delegate Five					
CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%
0	0	0	1	1	6.7	0	0	0	2	2	13.3	0	0	0	1	1	20.0	0	0	0	4	4	26.7
0	0	0	1	1	6.7	0	0	0	2	2	13.3	0	0	0	1	1	20.0	0	0	0	4	4	26.7
TEST PRECINCT 1		0	0	0	1	6.7	0	0	0	2	13.3	0	0	0	1	1	20.0	0	0	0	4	4	26.7
TOTAL		0	0	0	1	6.7	0	0	0	2	13.3	0	0	0	1	1	20.0	0	0	0	4	4	26.7

RACE		United States Senator Vote for one (1)									
JURISDICTION WIDE REPORT		Candidate One					Candidate Three				
CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%
0	0	0	1	1	11.1	0	0	0	2	2	22.2
0	0	0	1	1	11.1	0	0	0	2	2	22.2
TEST PRECINCT 1		0	0	0	1	11.1	0	0	0	2	22.2
TOTAL		0	0	0	1	11.1	0	0	0	2	22.2

RACE		County Board of Super. Vote for no more than 2															
JURISDICTION WIDE REPORT		Candidate Two				Candidate Four				Candidate Five							
CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%
0	0	0	1	1	5.6	0	0	0	2	2	11.1	0	0	0	4	4	22.2
0	0	0	1	1	5.6	0	0	0	2	2	11.1	0	0	0	4	4	22.2
TEST PRECINCT 1		0	0	0	1	5.6	0	0	0	2	11.1	0	0	0	4	4	22.2
TOTAL		0	0	0	1	5.6	0	0	0	2	11.1	0	0	0	4	4	22.2

Percentages based on votes cast
 County Board of Super. Vote for no more than 2 (continued)
 WRITS-INS

UNLAWFUL WIDE REPORT	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	3	3	16.7
TOTAL	0	0	0	3	3	16.7

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 1					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	5.1
TOTAL	0	0	0	2	2	5.1

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 3 (continued)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	33.3
TOTAL	0	0	0	2	2	33.3

UNLAWFUL WIDE REPORT	Prudential Preference Vote for one (1)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

UNLAWFUL WIDE REPORT	Committed Delegates Vote for one (1) group					
	Candidate One Delegates		Candidate Two Delegates		Candidate Three Delegates	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

Percentages based on votes cast
 County Board of Super. Vote for no more than 2 (continued)
 WRITS-INS

UNLAWFUL WIDE REPORT	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	3	3	16.7
TOTAL	0	0	0	3	3	16.7

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 1					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	5.1
TOTAL	0	0	0	2	2	5.1

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 3 (continued)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	33.3
TOTAL	0	0	0	2	2	33.3

UNLAWFUL WIDE REPORT	Prudential Preference Vote for one (1)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

UNLAWFUL WIDE REPORT	Committed Delegates Vote for one (1) group					
	Candidate One Delegates		Candidate Two Delegates		Candidate Three Delegates	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

Percentages based on votes cast
 County Board of Super. Vote for no more than 2 (continued)
 WRITS-INS

UNLAWFUL WIDE REPORT	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	3	3	16.7
TOTAL	0	0	0	3	3	16.7

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 1					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	5.1
TOTAL	0	0	0	2	2	5.1

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 3 (continued)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	33.3
TOTAL	0	0	0	2	2	33.3

UNLAWFUL WIDE REPORT	Prudential Preference Vote for one (1)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

UNLAWFUL WIDE REPORT	Committed Delegates Vote for one (1) group					
	Candidate One Delegates		Candidate Two Delegates		Candidate Three Delegates	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

Percentages based on votes cast
 County Board of Super. Vote for no more than 2 (continued)
 WRITS-INS

UNLAWFUL WIDE REPORT	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	3	3	16.7
TOTAL	0	0	0	3	3	16.7

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 1					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	5.1
TOTAL	0	0	0	2	2	5.1

UNLAWFUL WIDE REPORT	Board of Education, D13 Vote for no more than 3 (continued)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	2	2	33.3
TOTAL	0	0	0	2	2	33.3

UNLAWFUL WIDE REPORT	Prudential Preference Vote for one (1)					
	Candidate One		Candidate Two		Candidate Three	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

UNLAWFUL WIDE REPORT	Committed Delegates Vote for one (1) group					
	Candidate One Delegates		Candidate Two Delegates		Candidate Three Delegates	
	CHAL	ADJ	ABS	N/ABS	TOTAL	%
EST PRECINCT 1	0	0	0	1	1	10.0
TOTAL	0	0	0	1	1	10.0

DATE : 08/02/95
 TIME : 15:47:32
 PAGE : 3

TRENK STATEMENT OF VOTES CAST
 Primary Election, Wyle Labs Ballot Test Case A

Percents based on votes cast

RACE	Committed & Uncommitted Delegates At Large																							
	Delegate One		Delegate Two		Delegate Three		Delegate Four		Delegate Five															
JURISDICTION WIDE REPORT	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%						
TEST PRECINCT 1	0	0	0	1	1	4.0	0	0	0	2	2	8.0	0	0	0	3	3	12.0	0	0	0	4	4	16.0
TOTAL	0	0	0	1	1	4.0	0	0	0	2	2	8.0	0	0	0	3	3	12.0	0	0	0	4	4	16.0

RACE	Committed & Uncommitted Delegates At Large (continued)																							
	Delegate Six		Delegate Seven		Delegate Eight		Delegate Nine																	
JURISDICTION WIDE REPORT	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%						
TEST PRECINCT 1	0	0	0	1	1	4.0	0	0	0	2	2	8.0	0	0	0	3	3	12.0	0	0	0	4	4	16.0
TOTAL	0	0	0	1	1	4.0	0	0	0	2	2	8.0	0	0	0	3	3	12.0	0	0	0	4	4	16.0

RACE	United States Senator Votes for one (1)																							
	Candidate One		Candidate Two		Candidate Three		Candidate Four		Candidate Five															
JURISDICTION WIDE REPORT	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%						
TEST PRECINCT 1	0	0	0	1	1	10.0	0	0	0	2	2	20.0	0	0	0	3	3	30.0	0	0	0	4	4	40.0
TOTAL	0	0	0	1	1	10.0	0	0	0	2	2	20.0	0	0	0	3	3	30.0	0	0	0	4	4	40.0

RACE	County Board of Super. Vote for no more than 2																							
	Candidate One		Candidate Two		Candidate Three		Candidate Four		Candidate Five															
JURISDICTION WIDE REPORT	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%						
TEST PRECINCT 1	0	0	0	1	1	5.9	0	0	0	2	2	11.8	0	0	0	3	3	17.6	0	0	0	4	4	23.5
TOTAL	0	0	0	1	1	5.9	0	0	0	2	2	11.8	0	0	0	3	3	17.6	0	0	0	4	4	23.5

RACE	County Board of Super. Vote for no more than 2 (continued)																							
	Candidate One		Candidate Two		Candidate Three		Candidate Four		Candidate Five															
JURISDICTION WIDE REPORT	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%	CHAL	ADJ	ABS	W/ABS	TOTAL	%						
TEST PRECINCT 1	0	0	0	2	2	11.8	0	0	0	3	3	17.6	0	0	0	4	4	23.5	0	0	0	5	5	29.4
TOTAL	0	0	0	2	2	11.8	0	0	0	3	3	17.6	0	0	0	4	4	23.5	0	0	0	5	5	29.4

Canvass Reports verified to be correct as reviewed against the Machine generated Totals Tapes.