



Certification Test:
MS Windows Server 2003 for GEMS 1-18-24

Background:

In March 2007, Ciber Laboratories tested and certified GEMS 1-18-24 (GEMS) for use on the following operating systems: MS Windows 2000 5.00.2195, MS Windows XP Professional Version 2002 Service Pack 2, and MS Windows Server 2003 Service Pack 1.

GEMS was tested by the Colorado Secretary of State (SOS) from 6/1/07 – 8/13/07. GEMS was tested and certified for use in Colorado for MS Windows 2000. However, there is no record of a server with MS Windows Server 2003 being submitted for testing. Adams County requested to have MS Windows Server 2003 certified for use since they purchased a server that is incompatible with MS Windows 2000.

Summary:

On February 2, 2012, the SOS, represented by Jerome Lovato and Danny Casias, in conjunction with Adams County, represented by Norma Burkhart, Jessi Romero and Andy Koehler, and ES&S, represented by Erin Amos, tested GEMS 1-18-24 on a Dell PowerEdge T410 running MS Windows Server 2003. The following equipment/supplies were used for this test:

- One AccuVote TSx DRE: Operating System – CE 410.2.1; Boot Loader – BLR7-1.2.1
- 32 AccuVote Central Count Optical Scanners (CCOS): Firmware – 2.0.12
- ES&S-supplied a Test Election Database and Test Deck
- Test Deck – 60 ballots, which included write-in contests

Mr. Lovato installed trusted build software – GEMS, Keycard Tool 4.6.1, VC Programmer 4.6.1 – on the T410, which was observed by the rest of the participants. The certification testing consisted of two parts:

- Verification of the functionality of GEMS as outlined in Section 4.2, GEMS functionality verification, of the “GEMS 1.18 System Administrator’s Guide” (see Attachment A)
- Verification of the ability of GEMS to connect, operate, and collect data from multiple CCOS devices (load test) using two Digi PORTS
 - Marked the Test Deck
 - Connected 32 scanners (16 per Digi PORT) to the GEMS Server
 - Scanned ballots (six per machine)
 - Verified vote totals
 - Ran auto-test election on TSx and added the totals to the CCOS totals
 - Printed summary and SOVC reports

STATE OF COLORADO
Department of State

1700 Broadway, Suite 270
Denver, CO 80290



Scott Gessler
Secretary of State

Judd Choate
Director, Elections

The results from the AccuVote TSx and AccuVote CCOS were tabulated, and the combined results were printed (see Attachment F). The tabulated results were compared to the hand count of the ballots and were found to be 100% accurate.

Attachments:

Attachment A	GEMS 1.18 System Administrator's Guide
Attachment B	Printed Ballot
Attachment C	Race Report
Attachment D	Election Summary Report
Attachment E	CCOS Election Summary Report
Attachment F	Load Test Summary Report
Attachment G	AccuVote TSx Test Results Report
Attachment H	Certification Testing Notes

Conclusion:

GEMS 1-18-24 was found to be compatible with MS Windows Server 2003. MS Windows Server 2003 is hereby certified for use as an operating system with GEMS 1-18-24.

Regards,

A handwritten signature in black ink that reads "Jerome C. Lovato".

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4.2. GEMS functionality verification

Verify that all of the expected functionality of the GEMS workstation is available. Mark each function in the accompanying signoff sheet once it has been verified. The following functions are to be verified:

1. Copy from CD
2. Restore database
3. GEMS version
4. Reports version
5. View card in Card Editor
6. Print ballot artwork
7. Print administrative reports
8. Record/play back audio
9. Download memory card
10. Upload memory card
11. Print results report
12. Perform a backup
13. View GEMS User's Guide
14. Verify GEMS readme file
15. JResult Client version

First activate Windows Explorer, then activate the GEMS database.

4.2.1. Copying from CD/Restoring database

Verify that it is possible to copy from CD, as well as restore a database, as follows:

1. Install the CD with the backed up GEMS database into the CD drive.
2. Activate GEMS.
3. Click on the Load button in the Connect to Database window.

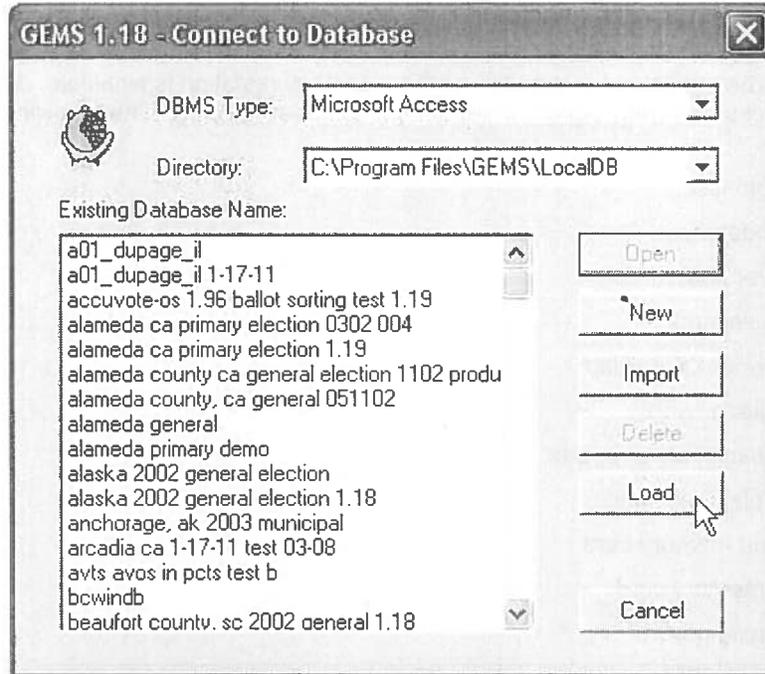


Figure 4-13. Load GEMS database

- In the Open window, locate the folder corresponding to the CD-ROM drive, and select the backed up GEMS database on the CD.

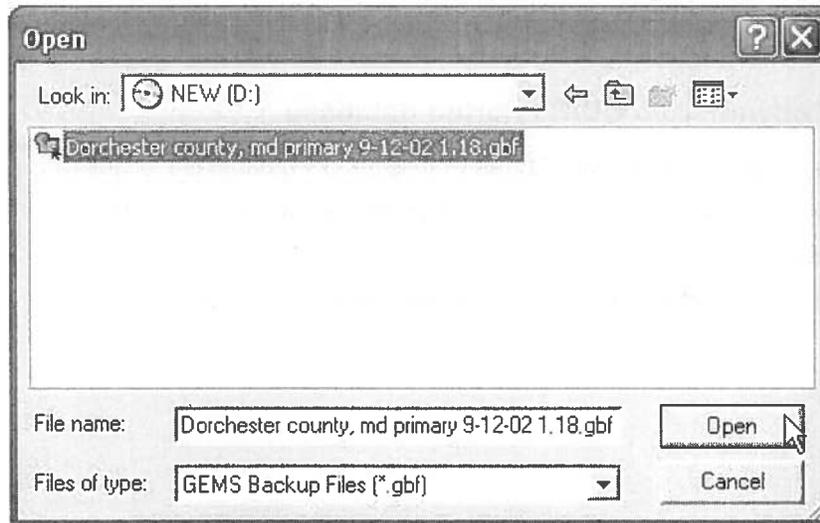


Figure 4-14. Select database on CD

- In the Logon Information window, click on the OK button.

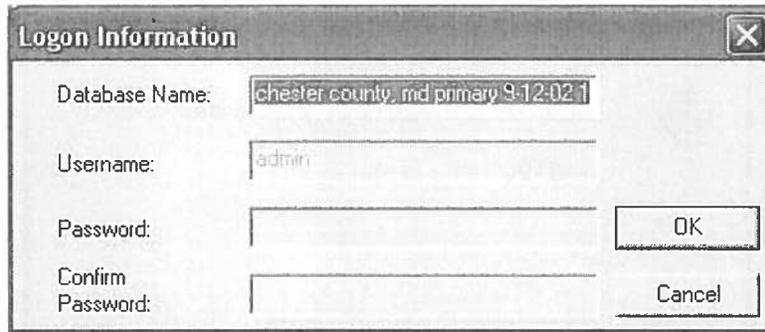


Figure 4-15. Accept database name

6. A progress message is displayed as the database is loaded.

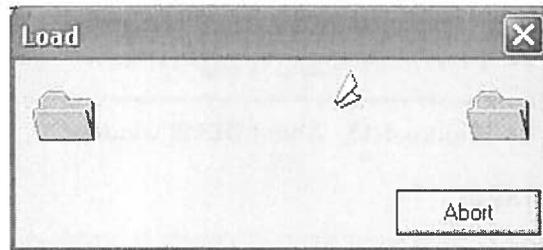


Figure 4-16. Load progress message

7. Once the database has successfully loaded, enter the database password in the Logon Information window, and click on the OK button.

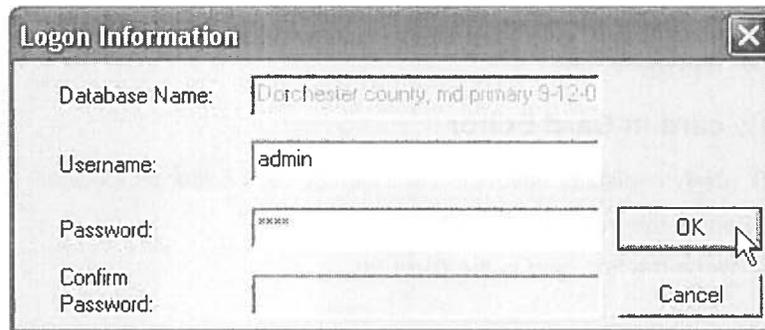


Figure 4-17. Enter database password

4.2.2. GEMS version

Verify the GEMS version as follows:

1. Click on Help in the menu bar, then select About GEMS in the drop-down menu.
2. Observe the GEMS version in the About GEMS window.

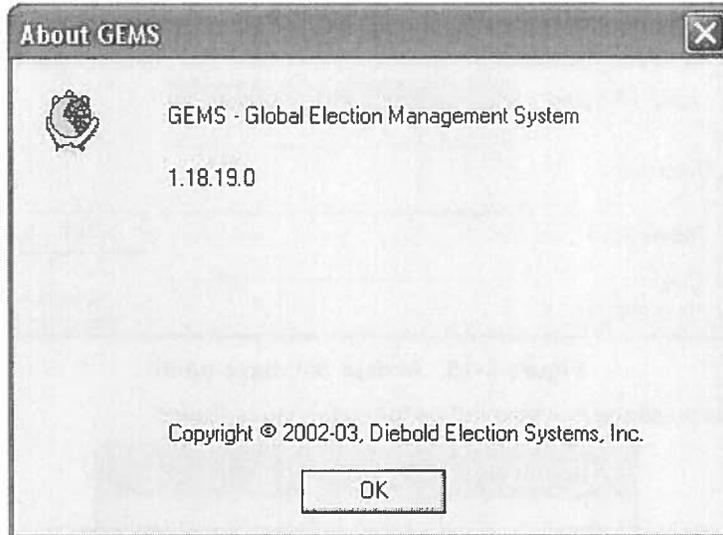


Figure 4-18. About GEMS window

4.2.3. Reports version

Verify the GEMS reports version as follows:

1. Expand C:/Program Files/GEMS in Windows Explorer, and double-click on Reports.ini. If GEMS is not installed in C:/Program Files, open the folder that GEMS is installed in, and continue.
2. Observe the Reports version at the top of the Reports.ini file.
3. Close the Reports.ini file.

4.2.4. View card in Card Editor

Verify the GEMS' ability to display ballots in the Ballot or Card Editor as follows:

1. Expand Card in the tree view in GEMS.
2. Double-click on the first card in the Card list.

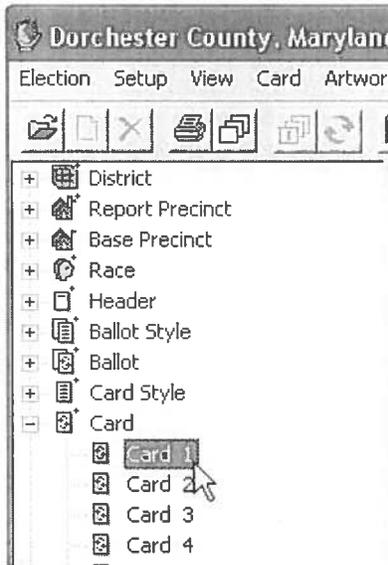


Figure 4-19. Double-click on card in Card list

3. Observe that the card appears in the Card Editor.

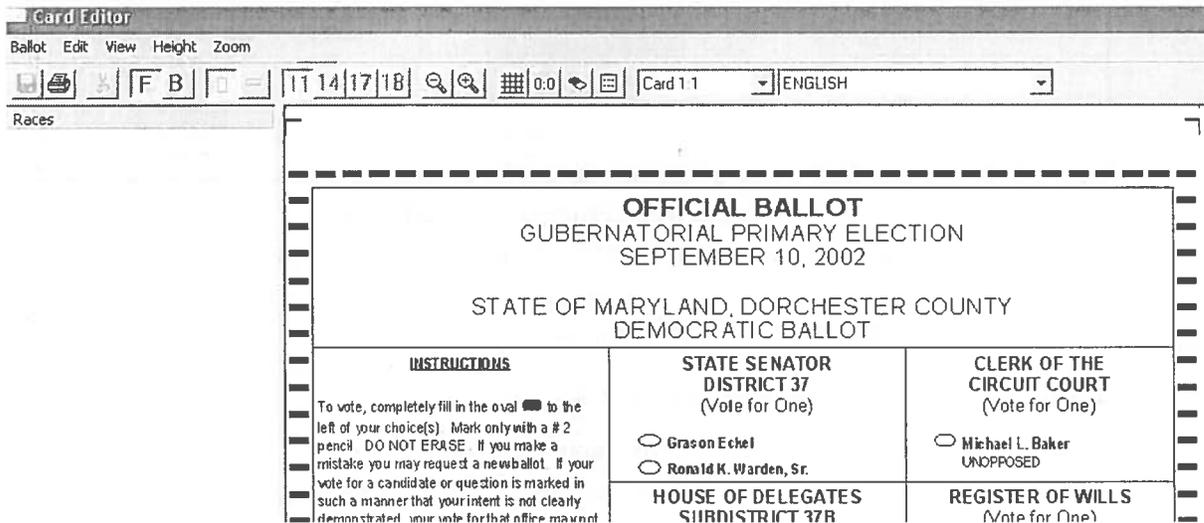


Figure 4-20. Card Editor

4. Exit the Card Editor.

4.2.5. Print ballot artwork

Verify GEMS' ability to print ballot artwork as follows:

1. Prior to performing this exercise, ensure that the GEMS computer is connected to a laser printer.
2. Select Artwork in the menu bar in GEMS, then Print Artwork in the drop-down list.
3. In the Print Artwork window, select either the By Precinct or By Sequence check box, select the first card in the list, ensure that the correct printer is selected in the Printer drop-down list, and click on the Print button.

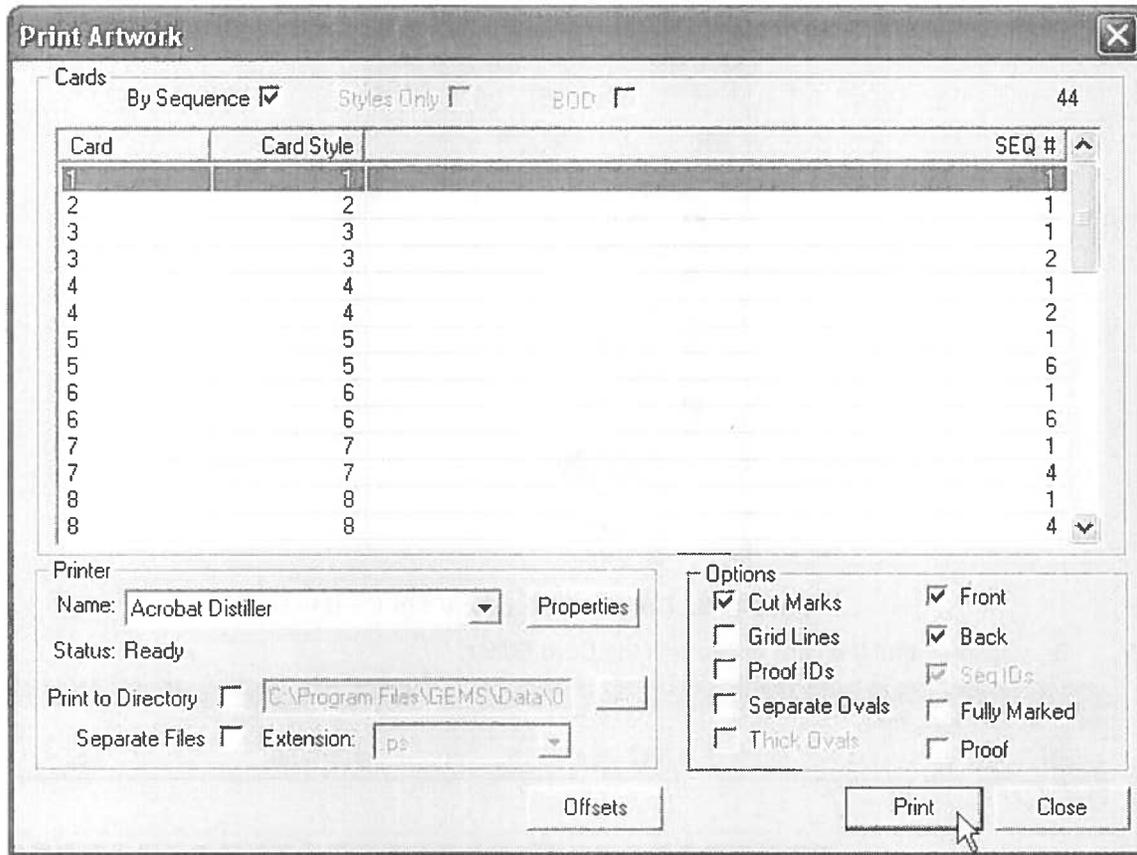


Figure 4-21. Printing ballot artwork

- Once the ballot has been printed, verify that the printed ballot contains the correct content.
- Click on Close in the Print Artwork window.

4.2.6. Print administrative reports

Verify GEMS' ability to print administrative reports as follows:

- Prior to performing this exercise, ensure that the GEMS computer is connected to a laser printer.
- Select GEMS in the menu bar, then Administrative Reports in the drop-down menu.
- In order to print a typical administrative report, select Race Report in the Reports list, then click on Print. Prior to printing, ensure that the printer displayed in the Name list is appropriate.

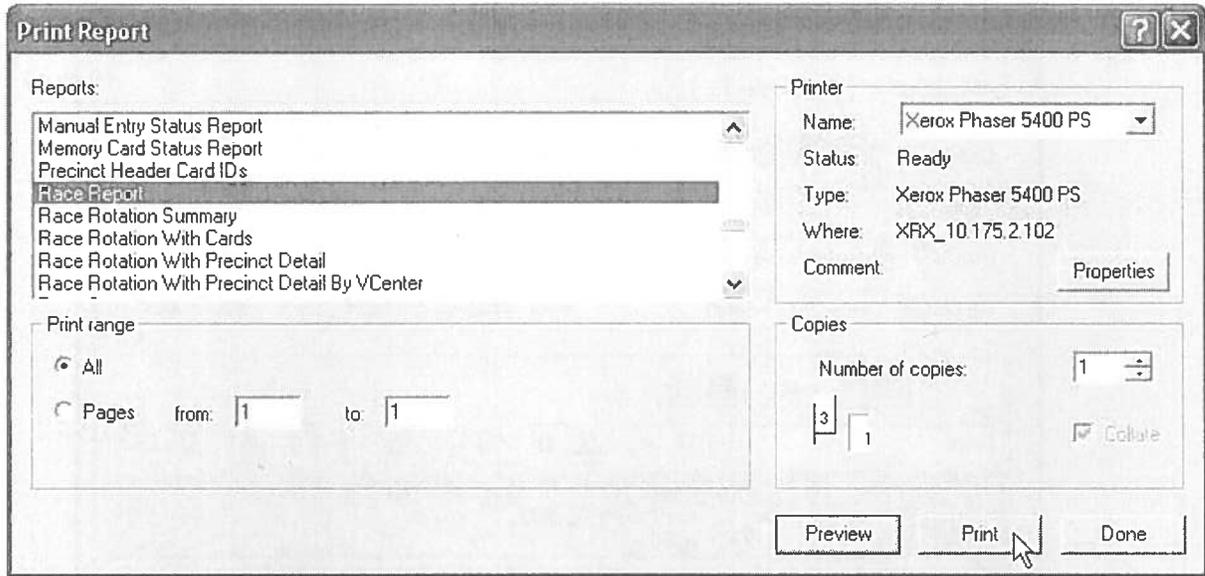


Figure 4-22. Printing the administrative report

4. Verify that the Race Report is printed in its entirety on the designated printer, and that the content of the report is as expected.
5. Click on Done in the Print Report window.

4.2.7. Record/play back audio

Verify GEMS' ability to record and play back audio as follows:

1. In GEMS, expand Race in the tree view, and double-click on a race.
2. In the Race Editor, click on the Audio button under the Race tab.

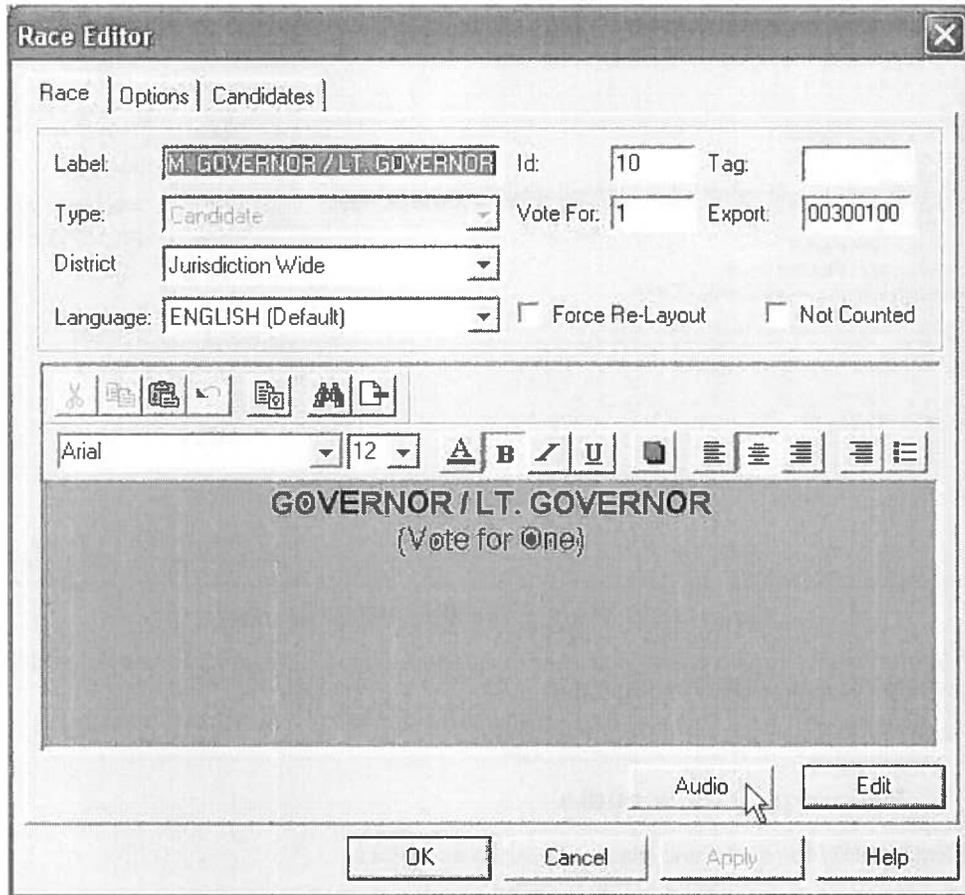


Figure 4-23. Activating audio functionality in Race Editor

3. In the Audio window, click on the Record button in order to initiate audio recording.

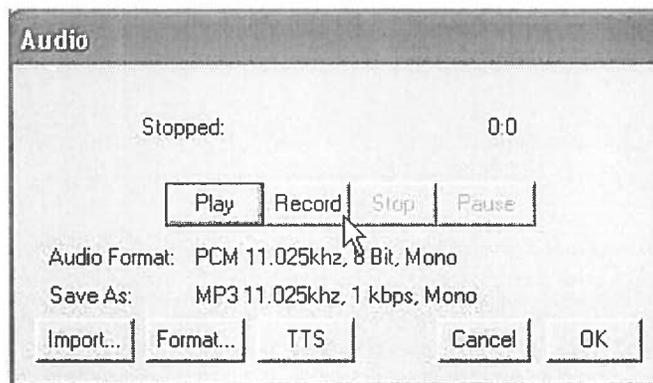


Figure 4-24. Initiate audio recording

4. Now record a sample audio track.
5. Once the audio track has been recorded, click on the Stop button to terminate audio recording.

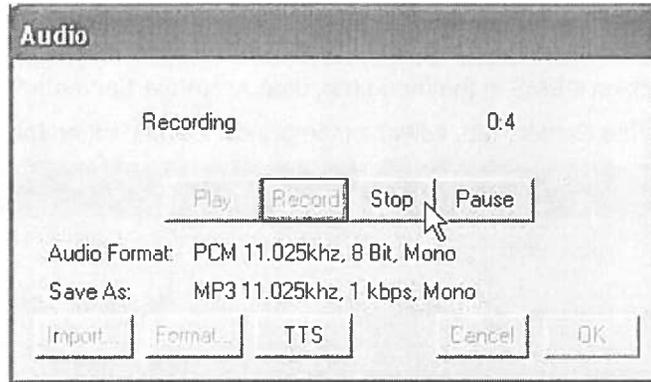


Figure 4-25. Stop audio recording

6. Click on the Play button in order to play back the sample audio recording.

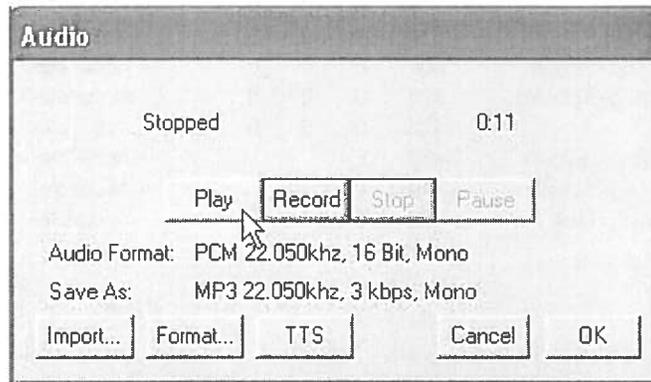


Figure 4-26. Play back recorded audio

7. Verify that audio is played back as recorded.
8. Once the audio tracked has successfully played back, click on the Cancel button in order to return to the Race Editor.

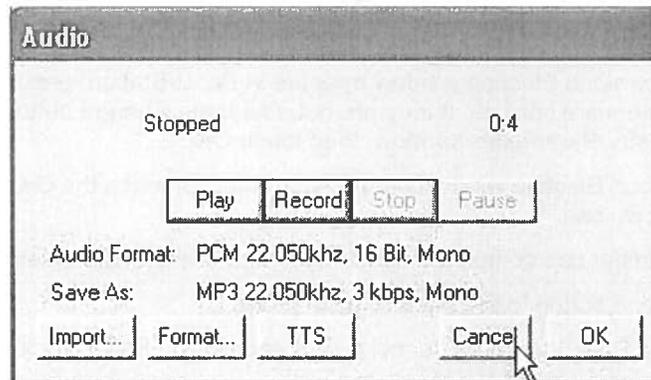


Figure 4-27. Exit Audio window

9. Click on the Cancel button in the Race Editor in order to return to the GEMS window.

4.2.8. Download memory card

Verify GEMS' ability to program a memory card as follows:

1. Prior to downloading a memory card, ensure that an AccuVote-TS unit is connected to the GEMS computer over a local area network connection.
2. In GEMS, click on GEMS in the menu bar, then AccuVote Server in the drop-down menu.
3. Click on the Vote Centers tab, select a memory card, and click on the Queue button.

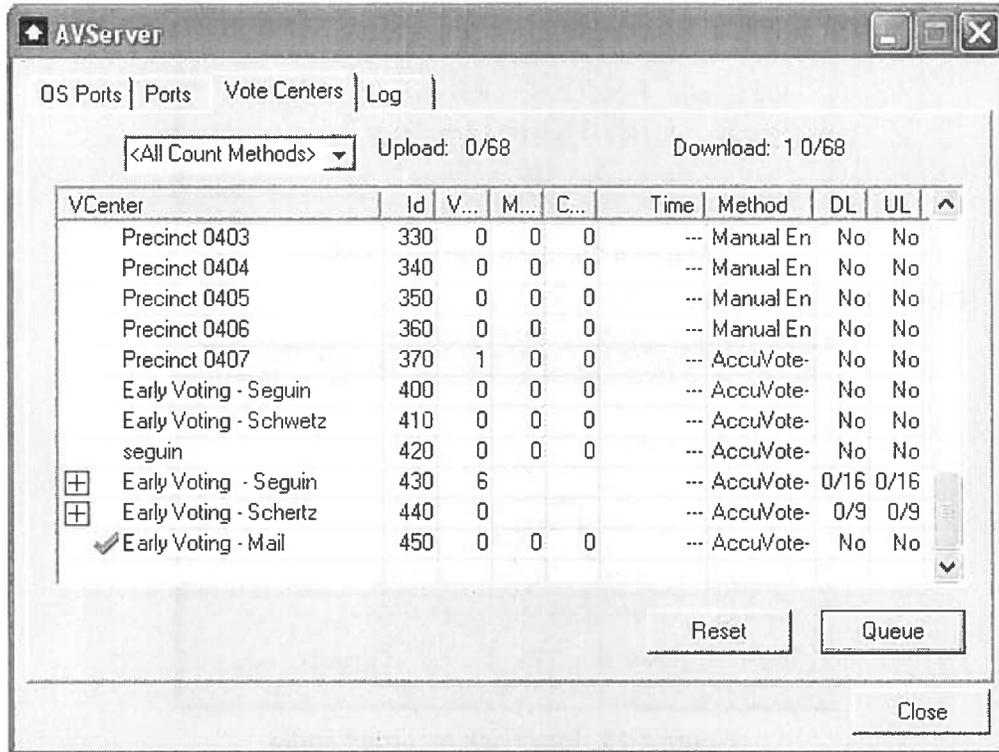


Figure 4-28. AVServer Vote Centers tab

4. Click on the Ports tab, then click on the Start button.
5. Install a blank memory card into the AccuVote-TS unit.
6. Power on the AccuVote-TS.
7. When the Download Election window appears in Ballot Station, ensure that the Type and Host parameters are correct. If they are not, touch the Change button, correct them in the Edit Transfer Parameters window, then touch OK.
8. In the Download Election window on the AccuVote-TS, touch the OK button in order to initiate the download.
9. When the transfer has completed, touch OK in the Transfer Completed message.
10. Touch the Done button in the Ballot Station prompt.
11. Verify that the Pre-Election Mode menu now appears on Ballot Station.
12. In GEMS, verify that the memory card is tagged in the Vote Centers list with a red down arrow.

4.2.9. Upload memory card

Verify GEMS' ability to upload a memory card as follows:

1. Prior to downloading a memory card, ensure that an AccuVote-TS unit is connected to the GEMS computer over a local area network connection.
2. Touch the Test ~~Count~~^{Vote} button in the Pre-Election Mode menu in Ballot Station.
3. Touch the Automatic L&A button.
4. Touch the OK button in the L&A Test completion message, then touch Close in the Test Ballots window.
5. Touch the Transfer Results button in the Pre-Election Mode menu.
6. Touch OK in the Transfer Results window in Ballot Station.
7. Once the upload has completed, observe that a green up-arrow has appeared next to the memory card under the Vote Centers tab on the AVServer console in GEMS.
8. Click on the Close button in the AVServer console in GEMS.

4.2.10. Print results report

Verify GEMS' ability to print an election results report as follows:

1. Prior to performing this exercise, ensure that the GEMS computer is connected to a laser printer.
2. Click on GEMS in the menu bar, then Election Summary report in the drop-down list.

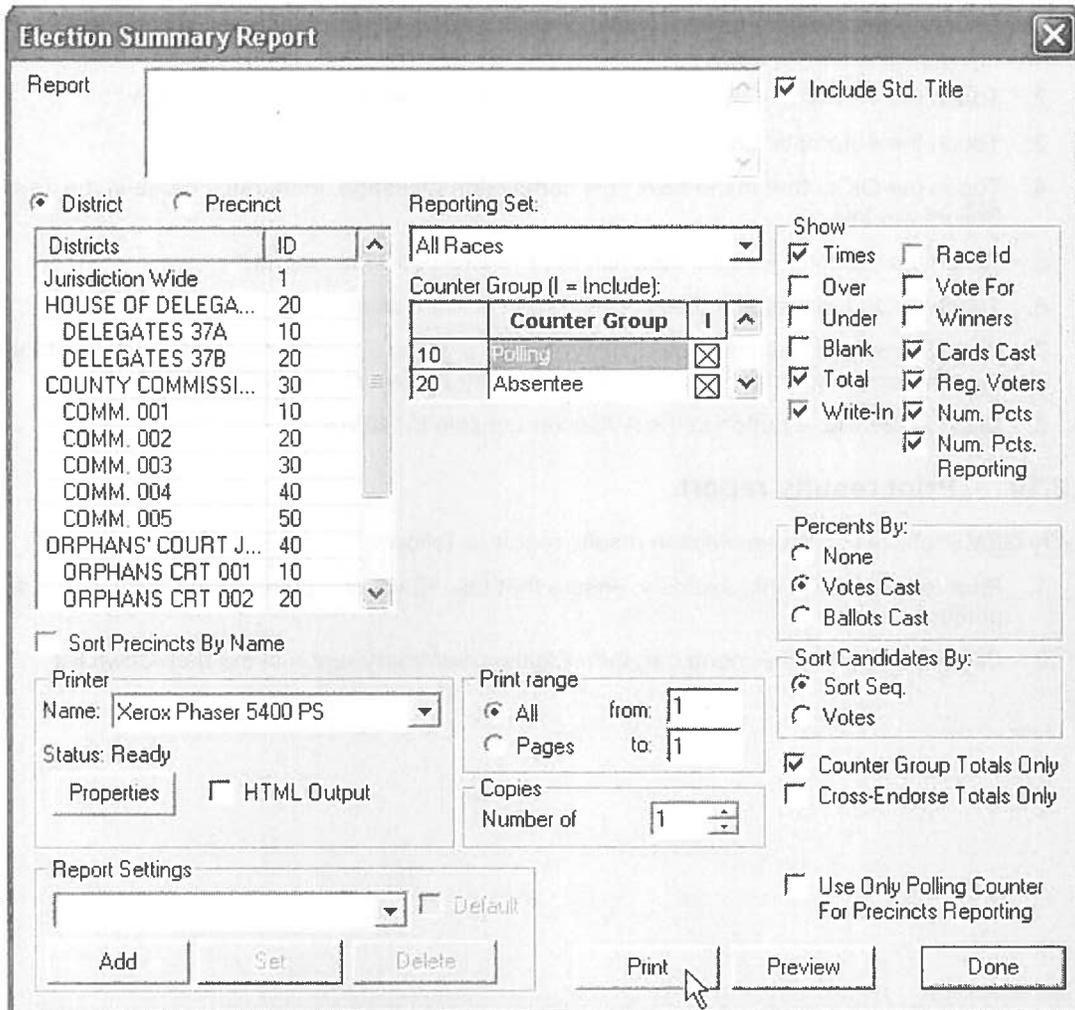


Figure 4-29. Printing the Election Summary Report

3. Click on the Print button in the Election Summary Report window.
4. Once the Election Summary report has printed, verify that results are displayed on the report as expected.
5. Click on Done in the Election Summary Report window.

4.2.11. Backup database

Verify GEMS' ability to back up a database as follows:

1. Select Election in the menu bar, then Backup in the drop-down menu.



Figure 4-30. Activate GEMS backup

2. In the Save As window, verify that the Backup folder is assigned for file backup by default. Click on the Save button.

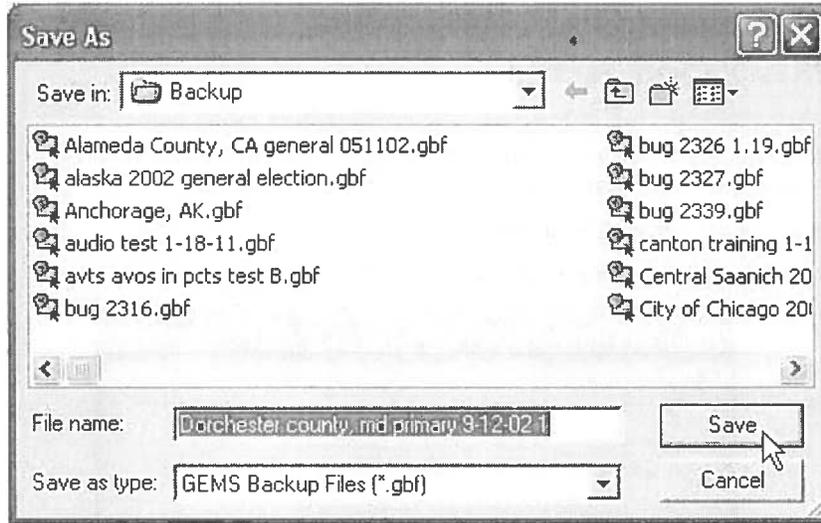


Figure 4-31. Assign backup file name and folder location

3. A progress message is displayed as the database is backed up.

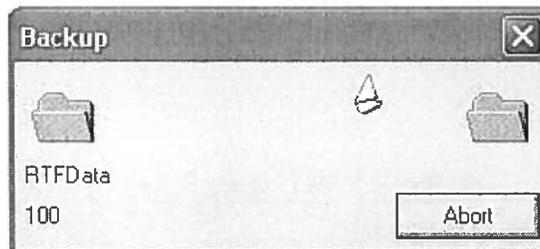


Figure 4-32. Backup progress message

4. In Windows Explorer, open the Program Files\GEMS\Backup folder in the GEMS installation partition, and verify that the backed up GEMS database is present.

4.2.12. View GEMS 1.18 User's Guide

Verify that the *GEMS 1.18 User's Guide* is present in the GEMS installation folder, and that it is possible to view the User's Guide using Adobe Acrobat Reader.

1. In Windows Explorer, open the Program Files\GEMS folder in the GEMS installation partition, and verify that the *GEMS 1.18 User's Guide* is present.
2. Double-click on the *GEMS 1.18 User's Guide* file.
3. Verify that Adobe Acrobat activates as a result, displaying the contents of the *GEMS 1.18 User's Guide*.

4.2.13. Verify GEMS readme file

Verify that the GEMS readme file is present in the GEMS installation folder, and that it is possible to view the readme using Internet Explorer.

1. In Windows Explorer, open the Program Files\GEMS folder in the GEMS installation partition, and verify that the file readme.htm is present.
2. Double-click on the readme.htm file.
3. Verify that the GEMS readme file displays using Internet Explorer. Verify also that the readme file version corresponds to the installed GEMS version.

4.2.14. JResult Client version

1. In order to verify the JResult Client version, expand C:/Program Files/GEMS/JResultClient in Windows Explorer. If GEMS is not installed in C:/Program Files, open the folder that GEMS is installed in, and continue.
2. Double-click on JResultClient.html.
3. Click on Cancel in the Open Result Set window.

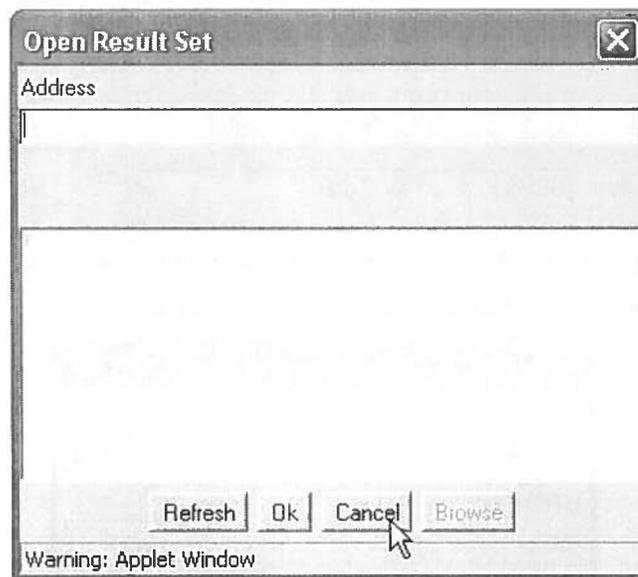


Figure 4-33. Canceling Open Result Set

4. In the Election Results window, click on Help in the menu bar, then About in the drop-down list.

5. Observe the JResult Client version in the About JResult Client window, and click on OK.

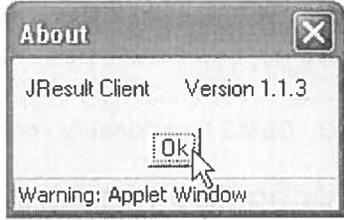


Figure 4-34. About JResult Client window

6. Exit the Election Results window, then exit the JResult Client HTML window.

4.2.15. System functionality verification signoff sheet

Task	Verified
Copy from CD	✓
Restore database	1, 18, 24, 0 ✓
GEMS version	1.18.24 ✓
Reports version	✓
View card in Card Editor	✓
Print ballot artwork	✓
Print administrative reports	✓
Record/play back audio	✓
Download memory card	✓
Upload memory card	✓
Print results report	✓
Perform a backup	✓
View GEMS User's Guide	✓
Verify GEMS readme file	✓ ✓

c:\Program Files(x86)\
GEMS

2 page ballot, 8 1/2 x 11

1 page

GEMS/Hlp/GEMS.chm
help file

Task	Verified
JResult Client version	

Table 4-2. GEMS functionality verification

4.3. GEMS workstation configuration deliverables

Deliverables for the GEMS workstation configuration should include:

1. GEMS workstation components, as specified on invoices
2. GEMS workstation hardware verification signoff sheet
3. GEMS functionality verification signoff sheet

as well as any other relevant documentation generated during the election phase.

DEMO ELECTION

Completely fill in the Oval opposite the name of each candidate you wish to vote for as shown

PRESIDENT (Vote for ONE)

- THOMAS JEFFERSON
- ABRAHAM LINCOLN
- JOHN F. KENNEDY
- DWIGHT D. EISENHOWER
- FRANKLIN D. ROOSEVELT
- Write-in

COMMISSIONER OF AMERICAN LITERATURE (Vote for ONE)

- ERNEST HEMINGWAY
- WILLIAM FAULKNER
- JOHN STEINBECK
- SINCLAIR LEWIS
- Write-in

MINISTER OF COMIC RELIEF (Vote for ONE)

- LUCILLE BALL
- BOB HOPE
- CAROL BURNETT
- LILY TOMLIN
- Write-in

MINISTER OF ART (Vote for ONE)

- Andrew Wyeth
- Alexander Calder
- Write-in

MINISTER OF TRANSPORTATION (Vote for ONE)

- AMELIA EARHART
- CHUCK YEAGER
- ORVILLE WRIGHT
- NEIL ARMSTRONG
- Write-in

QUESTION

Shall the City of Anytown, USA issue and sell its General Obligation Bonds not to exceed \$150,000,000. for the purpose of providing monies for the construction and equipping of a new Domed Stadium?

- YES
- NO

COMMISSIONERS FOR NATIONAL PASTIMES (Vote for TWO)

- JIM THORPE
- BILL RUSSELL
- JOE DIMAGGIO
- PEGGY FLEMING
- Write-in
- Write-in

POET LAUREATE (Vote for ONE)

- MARIANNE MOORE
- ROBERT FROST
- CARL SANDBURG
- T.S. ELIOT
- EZRA POUND
- Write-in

QUESTION

Do you favor a National Lottery Administered by the Federal Government?

- YES
- NO

TURN BALLOT OVER TO CONTINUE VOTING

**AMBASSADORS OF AMERICAN
MUSICAL COMEDY**
(Vote for ONE Pair)

Richard Rodgers & Oscar
Hamerstein

Alan Jay Lerner & Frederick
Loewe

George Gershwin & Ira
Gershwin

Write-in _____

TURN BALLOT OVER TO CONTINUE VOTING

Election Systems and Software Famous Names Demonstration Ballot Race Report

Id	Race	Type	Rotation	District	VG 1	VG 2	Endorse	Controlling Race	VoteFor	No. Can
10	President	Candidate	No	Typical District Name	-	-	-	-	1	1
20	Commissioners for National Pastimes	Candidate	No	Typical District Name	-	-	-	-	2	2
21	Commissioner of American Literature	Candidate	No	Typical District Name	-	-	-	-	1	1
30	Minister of Transportation	Candidate	No	Typical District Name	-	-	-	-	1	1
40	Poet Laureate	Candidate	No	Typical District Name	-	-	-	-	1	1
50	Minister of Comic Relief	Candidate	No	Typical District Name	-	-	-	-	1	1
60	Minister of Art	Candidate	No	Jurisdiction Wide	-	-	-	-	1	1
70	Stadium Question	Question	No	Typical District Name	-	-	-	-	1	1
80	Lottery Question	Question	No	Typical District Name	-	-	-	-	1	1
90	Ambassadors Musical Comedy	Candidate	No	Jurisdiction Wide	-	-	-	-	1	1

MS SERVER 2003 CERTIFICATE 01/12

Attachment C

Election Summary Report
Election Systems and Software
Famous Names Demonstration Ballot
Summary For Typical District Name, All Counters, All Races

Date:02/02/12
 Time:11:52:45
 Page:1 of 2

Registered Voters 1268 - Cards Cast 23 1.81%

Num. Report Precinct 2 - Num. Reporting 1 50.00%

President		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	22		
THOMAS JEFFERSON	1	4.55%	
ABRAHAM LINCOLN	2	9.09%	
JOHN F. KENNEDY	3	13.64%	
DWIGHT D. EISENHOWER	5	22.73%	
FRANKLIN ROOSEVELT	5	22.73%	
Write-in Votes	6	27.27%	

Poet Laureate		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	22		
MARIANNE MOORE	1	4.55%	
ROBERT FROST	2	9.09%	
CARL SANDBURG	3	13.64%	
T.S.ELIOT	5	22.73%	
EZRA POUND	5	22.73%	
Write-in Votes	6	27.27%	

Commissioners for National Pastimes		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	22		
JIM THORPE	1	4.55%	
BILL RUSSELL	2	9.09%	
JOE DIMAGGIO	4	18.18%	
PEGGY FLEMING	4	18.18%	
Write-in Votes	11	50.00%	

Minister of Comic Relief		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	16		
LUCILLE BALL	1	6.25%	
BOB HOPE	3	18.75%	
CAROL BURNETT	3	18.75%	
LILY TOMLIN	4	25.00%	
Write-in Votes	5	31.25%	

Commissioner of American Literature		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	16		
ERNEST HEMINGWAY	1	6.25%	
WILLIAM FAULKNER	2	12.50%	
JOHN STEINBECK	3	18.75%	
SINCLAIR LEWIS	5	31.25%	
Write-in Votes	5	31.25%	

Minister of Art		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	7		
Andrew Wyeth	1	14.29%	
Alexander Calder	3	42.86%	
Write-in Votes	3	42.86%	

Minister of Transportation		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	16		
AMELIA EARHART	1	6.25%	
CHUCK YEAGER	2	12.50%	
ORVILLE WRIGHT	3	18.75%	
NEIL ARMSTRONG	5	31.25%	
Write-in Votes	5	31.25%	

Stadium Question		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	4		
YES	2	50.00%	
NO	2	50.00%	

Lottery Question		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	23/1268	1.8 %	
Total Votes	4		
YES	2	50.00%	
NO	2	50.00%	

Election Summary Report
 Election Systems and Software
 Famous Names Demonstration Ballot
 Summary For Typical District Name, All Counters, All Races

Date:02/02/12
 Time:11:52:45
 Page:2 of 2

Registered Voters 1268 - Cards Cast 23 1.81%

Num. Report Precinct 2 - Num. Reporting 1 50.00%

Ambassadors Musical Comedy		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	23/1268	1.8 %
Total Votes	11	
Rodgers Hamerstein	1	9.09%
Lerner Loewe	3	27.27%
Gershwin Gershwin	3	27.27%
Write-in Votes	4	36.36%

Election Summary Report
 Election Systems and Software
 Famous Names Demonstration Ballot
 Summary For Typical District Name, All Counters, All Races
 2003 Certification on GEMS server

Date:02/02/12
 Time:13:45:19
 Page:1 of 2

Registered Voters 1268 - Cards Cast 192 15.14%

Num. Report Precinct 2 - Num. Reporting 1 50.00%

President		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	192/1268	15.1 %	
Total Votes	192		
Times Blank Voted	0		
Times Over Voted	0		
Number Of Under Votes	0		
THOMAS JEFFERSON	32	16.67%	
ABRAHAM LINCOLN	32	16.67%	
JOHN F. KENNEDY	32	16.67%	
DWIGHT D. EISENHOWER	32	16.67%	
FRANKLIN ROOSEVELT	32	16.67%	
Write-in Votes	32	16.67%	

Minister of Transportation		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	192/1268	15.1 %	
Total Votes	160		
Times Blank Voted	32		
Times Over Voted	0		
Number Of Under Votes	0		
AMELIA EARHART	32	20.00%	
CHUCK YEAGER	32	20.00%	
ORVILLE WRIGHT	32	20.00%	
NEIL ARMSTRONG	32	20.00%	
Write-in Votes	32	20.00%	

Commissioners for National Pastimes		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	192/1268	15.1 %	
Total Votes	192		
Times Blank Voted	0		
Times Over Voted	0		
Number Of Under Votes	192		
JIM THORPE	32	16.67%	
BILL RUSSELL	32	16.67%	
JOE DIMAGGIO	32	16.67%	
PEGGY FLEMING	32	16.67%	
Write-in Votes	64	33.33%	

Poet Laureate		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	192/1268	15.1 %	
Total Votes	192		
Times Blank Voted	0		
Times Over Voted	0		
Number Of Under Votes	0		
MARIANNE MOORE	32	16.67%	
ROBERT FROST	32	16.67%	
CARL SANDBURG	32	16.67%	
T.S.ELIOT	32	16.67%	
EZRA POUND	32	16.67%	
Write-in Votes	32	16.67%	

Commissioner of American Literature		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	192/1268	15.1 %	
Total Votes	160		
Times Blank Voted	32		
Times Over Voted	0		
Number Of Under Votes	0		
ERNEST HEMINGWAY	32	20.00%	
WILLIAM FAULKNER	32	20.00%	
JOHN STEINBECK	32	20.00%	
SINCLAIR LEWIS	32	20.00%	
Write-in Votes	32	20.00%	

Minister of Comic Relief		Total	
Number of Precincts	2		
Precincts Reporting	1	50.0 %	
Times Counted	192/1268	15.1 %	
Total Votes	157		
Times Blank Voted	35		
Times Over Voted	0		
Number Of Under Votes	0		
LUCILLE BALL	32	20.38%	
BOB HOPE	32	20.38%	
CAROL BURNETT	32	20.38%	
LILY TOMLIN	32	20.38%	
Write-in Votes	29	18.47%	

Election Summary Report
 Election Systems and Software
 Famous Names Demonstration Ballot
 Summary For Typical District Name, All Counters, All Races
 2003 Certification on GEMS server

Date:02/02/12
 Time:13:45:19
 Page:2 of 2

Registered Voters 1268 - Cards Cast 192 15.14%

Num. Report Precinct 2 - Num. Reporting 1 50.00%

Minister of Art		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	192/1268	15.1 %
Total Votes		96
Times Blank Voted		96
Times Over Voted		0
Number Of Under Votes		0
Andrew Wyeth	32	33.33%
Alexander Calder	32	33.33%
Write-in Votes	32	33.33%

Stadium Question		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	192/1268	15.1 %
Total Votes		64
Times Blank Voted		128
Times Over Voted		0
Number Of Under Votes		0
YES	32	50.00%
NO	32	50.00%

Lottery Question		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	192/1268	15.1 %
Total Votes		64
Times Blank Voted		128
Times Over Voted		0
Number Of Under Votes		0
YES	32	50.00%
NO	32	50.00%

Ambassadors Musical Comedy		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	192/1268	15.1 %
Total Votes		128
Times Blank Voted		64
Times Over Voted		0
Number Of Under Votes		0
Rodgers Hamerstein	32	25.00%
Lerner Loewe	32	25.00%
Gershwin Gershwin	32	25.00%
Write-in Votes	32	25.00%

Election Summary Report
Election Systems and Software
Famous Names Demonstration Ballot
Summary For Typical District Name, All Counters, All Races

Date:02/02/12
 Time:13:56:42
 Page:1 of 2

Registered Voters 1268 - Cards Cast 214 16.88%

Num. Report Precinct 2 - Num. Reporting 1 50.00%

President		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		213
THOMAS JEFFERSON	33	15.49%
ABRAHAM LINCOLN	34	15.96%
JOHN F. KENNEDY	35	16.43%
DWIGHT D. EISENHOWER	36	16.90%
FRANKLIN ROOSEVELT	37	17.37%
Write-in Votes	38	17.84%

Poet Laureate		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		213
MARIANNE MOORE	33	15.49%
ROBERT FROST	34	15.96%
CARL SANDBURG	35	16.43%
T.S.ELIOT	36	16.90%
EZRA POUND	37	17.37%
Write-in Votes	38	17.84%

Commissioners for National Pastimes		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		213
JIM THORPE	33	15.49%
BILL RUSSELL	34	15.96%
JOE DIMAGGIO	35	16.43%
PEGGY FLEMING	36	16.90%
Write-in Votes	75	35.21%

Minister of Comic Relief		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		172
LUCILLE BALL	33	19.19%
BOB HOPE	34	19.77%
CAROL BURNETT	35	20.35%
LILY TOMLIN	36	20.93%
Write-in Votes	34	19.77%

Commissioner of American Literature		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		175
ERNEST HEMINGWAY	33	18.86%
WILLIAM FAULKNER	34	19.43%
JOHN STEINBECK	35	20.00%
SINCLAIR LEWIS	36	20.57%
Write-in Votes	37	21.14%

Minister of Art		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		102
Andrew Wyeth	33	32.35%
Alexander Calder	34	33.33%
Write-in Votes	35	34.31%

Minister of Transportation		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		175
AMELIA EARHART	33	18.86%
CHUCK YEAGER	34	19.43%
ORVILLE WRIGHT	35	20.00%
NEIL ARMSTRONG	36	20.57%
Write-in Votes	37	21.14%

Stadium Question		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		67
YES	33	49.25%
NO	34	50.75%

Lottery Question		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		67
YES	33	49.25%
NO	34	50.75%

Election Summary Report
Election Systems and Software
Famous Names Demonstration Ballot
Summary For Typical District Name, All Counters, All Races

Date:02/02/12
Time:13:56:42
Page:2 of 2

Registered Voters 1268 - Cards Cast 214 16.88%

Num. Report Precinct 2 - Num. Reporting 1 50.00%

Ambassadors Musical Comedy		Total
Number of Precincts		2
Precincts Reporting	1	50.0 %
Times Counted	214/1268	16.9 %
Total Votes		138
Rodgers Hamerstein	33	23.91%
Lerner Loewe	34	24.64%
Gershwin Gershwin	35	25.36%
Write-in Votes	36	26.09%

TEST RESULTS REPORT

Election Systems and
Software

Famous Names
Demonstration Ballot

DATE: Jan-01-2010

POLL CTR: 20A00

Demo Precinct

MACHINE ID: 0

VERSION: 31 COPY: 0

COUNT: 0 SIZE: 32M

ACCU-VOTE RELEASE: 4, 6, 4

REPORT: US 1, 15

TIME: 14:59 02/02/2012

MACHINE SERIAL: 273650

PUBLIC COUNTER: 22

SYSTEM COUNTER: 25628

** PRECINCT: 1 **

Demonstration Precinct

BALLOTS CAST 22

President

RACE # 10

THOMAS JEFFERSON 1

ABRAHAM LINCOLN 2

JOHN F. KENNEDY 3

DWIGHT D. EISENHOWER 4

FRANKLIN ROOSEVELT 5

Write-in 6

WRITE-INS 6

Commissioners for National

Pastimes

RACE # 20

JIM THORPE 1

BILL RUSSELL 2

JOE DIMAGGIO 3

PEGGY FLEMING 4

Write-in 1 5

Write-in 2 6

WRITE-INS 11

Commissioner of American

Literature

RACE # 21

ERNEST HEMINGWAY 1

WILLIAM FAULKNER 2

JOHN STEINBECK 3

SINCLAIR LEWIS 4

Write-in 50 5

WRITE-INS 5

Minister of Transportation

RACE # 30

AMELIA EARHART 1

CHUCK YEAGER 2

ORVILLE WRIGHT 3

NEIL ARMSTRONG 4

Write-in 5

WRITE-INS 5

Poet Laureate

RACE # 40

MARIANNE MOORE 1

ROBERT FROST 2

CARL SANDBURG 3

T, S, ELIOT 4

EZRA POUND 5

Write-in 6

WRITE-INS 6

.....

LUCILLE BALL 1

BOB HOPE 2

CAROL BURNETT 3

LILY TOMLIN 4

Write-in 5

WRITE-INS 5

Minister of Art

RACE # 60

Andrew Wyeth 1

Alexander Calder 2

Write-in 30 3

WRITE-INS 3

Stadium Question

RACE # 70

YES 1

NO 2

Lottery Question

RACE # 80

YES 1

NO 2

Ambassadors Musical Comedy

RACE # 90

Rodgers & Hammerstein 1

Lerner & Loewe 2

Gershwin & Gershwin 3

Write-in 40 4

WRITE-INS 4

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

*** SIGNATURES *

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At Home event G MS Server 2003 Conf 01/10

At Home event G (2 of 2)

Attachment H (1 of 2)

GEMS / Server 2003 Certification 2/2/12

At Adams County (4430 S. Adams Parkway)

Adams: Norma Burkhardt, Jessi Romo, Andy (IT)

SOS: Jerome, me (Denny Cassias) Koehler

ES&S: Erin Ames

- Server 2003 already installed
- Installed GEMS 1-18-24 trusted build
Dell Power Edge T410 J4J4TR1
- Started installing
"4.2 GEMS Functionality verifications" from
"GEMS 1.18 System Administrator's Guide"
- Performed steps 4.2.1 to 4.2.4
- Installed printer driver (192.168.3.235)
- Set IP address (192.168.1.1)
Skipped 4.2.6 because driver was 32-bit but OS is 64-bit.
Needed to find correct driver
- 4.2.7 "Audio" box greyed out. Need to go to Setup/
Election and uncheck "Set for election" box
Recorded audio but no sound playback. Possible
problem with sound card
Printer driver installed. Back to 4.2.5 and 4.2.6
- 4.2.5 1 2-page ballot printed, 8 1/2 x 11
- 4.2.6 1 report - 10 races

Attachment H (2 of 2)

4.2.8 Download memory Card

Issue with SSL Certificate update

Issue with ~~selection~~ not defined with TSX memory card

29 OK

4.2.10 Printed SOVC reports, in addition to summary report,
for Adams County, confidence purposes

4.2.11 to 4.2.14 - 4.2.13 Readme file does not exist

Pocam GEMS / H4B / GEMS.chm is a help file

4.2.7 Problem was with microphone, OK

Digipost test - Load test

32 scanners

Start card ran through each scanner

6 ballots ran through each scanner

End card ran through each scanner

Verified vote totals - each candidate should
receive 32 votes. Votes from TSX were

added in to show that reports could add and
separate group totals.

Printed summary report and SOVC reports

End of test