DIEBOLD ELECTION SYSTEMS, INC.

Chart re: Certification of DESI's Voting Systems
(Voting System includes the entire system or part of the system such as software, hardware, or firmware)

Voting System	ITA Cover Letter	NASED #	State Approval	Used by County	Comments
GEMS 1.11.14		N0306011114-1990			
GEMS 1.17.15		N0306011715-1990			
GEMS 1.17.17		N0306011717-1990			
GEMS 1.17.20					
GEMS 1.17.22					
GEMS 1.17.23					
GEMS 1.18.16					
GEMS 1.18.18					
GEMS 1.18.102					
GEMS 1.18.19					
Firmware 2.0.10					for Accu Vote 2000 (optical scan – central count)
Firmware 1.94w					for Accu Vote 200 (optical scan – precinct count)
Firmware 1.96.4					for Accu Vote 200 (optical scan – precinct count)
Firmware 2.00g					for Accu Vote 200 (optical scan – precinct count)
Firmware 2.00h					for Accu Vote 200 (optical scan – precinct count)

Firmware 2.0.11					for Accu Vote 2000 (optical scan – central count)
Firmware 2.0.10				
Firmware 2.0.10				
Firmware 2.0.10				
Firmware 4.3.11				
Firmware 4.3.15				for Accu Vote (touch screen)
Firmware 4.3.17				for Accu Vote (touch screen)

DIEBOLD ELECTION SYSTEMS, INC.

INDEX OF DOCUMENTS

Tab	Description of Documents
1.	Information requested previously by our technical consultant, Steve Freeman, to determine the magnitude and importance of changes indicated in the software release notes to assist us with the evaluation of the successive versions of GEMS software installed in California counties.
2.	Documentation regarding the software modifications made to GEMS and the DRE systems in each client county.
3.	All federal qualification and state certification documentation of each version of software, hardware, and firmware that was installed in each client county.
4.	Documentation of material control procedures, including inventory and security controls, when units are recalled from county service for maintenance at a Diebold facility.
5.	All information available which clarifies the implementation of software which was neither federally qualified or state certified when it was used for an election. This may include internal and external paper or electronic correspondence that was written since January 2001 by a Diebold employee or agent, regarding the installation of uncertified software or regarding the need (or lack thereof) to submit hardware, firmware, or software for state certification or federal qualification.
6.	Written documentation of Diebold's internal software development security procedures, from product development through client maintenance.
7.	Copies of all contracts signed with California jurisdictions since January 2001.
8.	Documentation regarding any modification to the Windows CE program for use on the TS/TSx platforms.
9.	Documentation regarding any modifications to the Smart Card hardware or software for use on the TS/TSx platforms.
10.	Any further information which we might request in writing at a future time to further facilitate our investigation of the installation of uncertified software.
11.	Privileged & Confidential
12.	NON-RESPONSIVE

Diebold Election Systems Inc.,
GEMS 1.18.18 Release Notes

June 6, 2003

New Features:
- #2475 Added Challenge Board Accept/Reject All option.
- #2439 Added Challenge Board Enhancements. A vote center with Count Method set to Challenged is no longer required and a new "Challenge Voter" report is also available. This report lists the Vote Center that the challenge ballot was cast in, the Machine ID of the machine the voter voted on, the Voter Serial Number, and the status of the ballot. Also added the ability to sort fields in the Challenge Board.

Normal Fixes:
- #2562 Error occurs when attempting to export Rich Text.
- #2542 [ABasic 1.18.18] Candidate names are truncated in 194 US and 195/196 US AccuVote-OS report files. Problem is resolved with version 1.3 of these files.
- #2522 Inconsistent results in SOVC and Summary reports after changing the number of memory cards for a Vote Center with uploaded results.
- #2504 Card ID text reads Report Precinct label instead of Base Precinct label when the Base Precinct Id is 0.
- #2501 Internal error is generated when printing an Administrative report.
- #2496 Header, race and candidate text is not brought in using Standard Import.
- #2483 SOVC displays all counter groups for all report units even if the report unit does not use the counter group.
- #2482 SOVC sometimes gives Exception error for elections with more than 17 Counter Groups.
- #2465 Opening Ballot Editor dialog takes a long time.
- #2462 Candidates of type Header are not rotated correctly when their Art Seq Id is changed.
- #2349 Ballot Viewer gives an error "Attempt to scroll past GEMS.ini" when Ballot Viewer dialog is opened. This only occurs for databases where results were uploaded in GEMS 1-17 and then the database was upgraded to GEMS 1-18.
- #1427 Importing audio file other than .wav format gives internal error.

Minor Fixes:
- #2614 Scale% field in the AccuVote-TS Options window generates a value of 'X-1' when a value <100 is entered.
- #2580 Counter Group dialog box: "Pct Ids" option serves no purpose. Remove.
- #2550 Bullet button in Header Editor partially cut off.
- #2547 Missing Paragraph format option in Candidate, Header and Endorsement Default Settings.
- #2536 [TS Text 1036] The header text in Party Selection Screen is shown in English for French Ballot.
- #2535 [TS Text 1036] The 'Okay' button text in Party Selection Screen is shown in English for French Ballot.
- #2534 [TS Text 1036] The 'Precinct' labels for French ballots are displayed in English.
- #2533 [TS Text 1036] The 'Party' labels for French ballots are displayed in English.
- #2530 Under the Election Options Recount tab, the Recount Reporting Set dropdown list should not be editable.
- #2521 Confirmation password required to change user password is always rejected.
- #2516 Exiting Ballot or Card Editor leaves ballot listing in tree view out of order.
- #2515 'Ballot Editor' is initially displayed in Card Editor handle.
- #2512 Add GEMS version number to opening database dialog title bar.
- #2500 [ABasic 1.18.18]'Wisconsin' is misspelled in ABasic.ini in the 1.18.17 install file.
- #2501 Internal error is generated when printing Administrative report.

- #2487 Add User screen allows creation of duplicate username entries.
- #2480 Chinese, Japanese, Korean and Vietnamese characters not displayable on AccuVote-TS.
- #1057 Allow the ability to cancel changes made in the Monitor Scripts and Monitor Script Properties dialogs.
- #974 Allow the cancellation of changes made in the Reporting Set Properties dialog.
- [TS Text 1033, 1034, 1038, 1039, 1045] Add new rtf files for "Instructions", "Large Text", "Normal Text" and "Summary" buttons.

1.18.17 January 23, 2003

New Features:
- #2382 Support for Pedantic audit logging. When specified in the AccuVote-TS Options dialog, every ballot cast on AccuVote-TS units is logged to the Ballot Station Audit log.
- #2284 Length of cards and card styles is shown in inches in Length column of List view.
- #2105 Florida Export format enhancement: "Number of Precincts Reporting" and "Number of Precincts for Race" fields are now supported.
- #2017 [GEMS Reports 1.18.17] Support for breakdown of CC decks/batches by precinct report.
- #2013 In Manual Entry dialog appended Voter Group short label to the candidate's name.
- #1990 [ABasic 1.18.17] AccuVote-OS Reports- Election Totals Report - Ballots Cast totals included at bottom of report.
- #1905 [ABasic 1.18.17] AccuVote-OS Reports- Include Summary Report in Canadian 1.95/196 reports.
- #1861 Add 'AccuVote-TS Write-In Sort By Name' report.
- #1811 [GEMS Reports 1.18.17] Support for customer billing statistics report.
- #1788 California Export format: Improvements in linking capabilities in California Export Edit screens.
- #1738 [ABasic 1.18.17] AccuVote-OS reports - Election Totals Report in short format with Cards Cast broken down by party.
- #1645 After uploading data, phone line is held open according to the Timeout value specified in AccuVote-OS Options>Server tab.
- Support for BCWin Export format.

Critical Fixes
- #2381 Races on an open primary ballot without a voter's Preference party selection are not being counted when using Central Count.
- #2342 Central Count fails when counting votes in a Preference race without a preferred party selection.
- #2324 Accepted Challenged votes are not being tallied properly if a race has candidate of type Header.
- #2278 Ballots that have "No-count" races, "Cross-endorsed" candidates, or "Header" candidates, printed from Ballot Viewer do not correctly reflect voters' candidate selections.

Normal Fixes:
- #2446 District field is enabled for Shadowed races when database status is Set for Election.
- #2380 Shadowed race counts incorrect for Shadow races linked to Preference races. This is a limitation of the AccuVote-OS so do not allow Shadow races to link to Preference races.
- #2361 Adding a new language results in error message when generating ballots.
- #2349 Ballot Viewer gives an error: "Attempt to scroll past GEMS.ini" when Ballot Viewer dialog is opened. This only occurs for databases where results were uploaded in GEMS 1-17 and then the database was upgraded to GEMS 1-18.
- #2254 GEMS may be closed while the Poster is active. Note: no results were lost, the poster would resume where it left off the next time GEMS was started.
- #2250 Start Rotation value greater than 2 cannot be defined in Rotation districts.

- #2245 Removing Base Precincts from District category does not effect their removal from child districts.
- #2240 Can re-set the election when poster, results server, and regional server are running. Also the "Reset Election" dialog is not modal.
- #2216 GEMS user interface remains accessible during the display of error messages.
- #2214 In Results Server Stop button is disabled if the "Update Every" field is set to 0.
- #2208 In SOVC the "Separate under" feature produces zeros for all candidates in all non-cumulative counter groups.
- #2201 Internal error is generated when attempting to generate Minnesota Export Statistics.
- #2190 Manual Entry allows non-zero number of under votes for race with vote for one setting, retains this setting but shows zero.
- #2188 Imported audio is sometimes not being converted properly. Improve the ability to convert audio formats.
- #2170 GEMS Exception occurs when the Default checkbox is clicked in Election Summary Report or Statement of Votes Cast dialog box when no report settings are saved.
- #2162 Race Editor gives internal error but allows change of Candidate type for Question race.
- #2155 Base precincts dragged onto target district remain active in source district.
- #2126 Don't allow 17" ballot unless firmware version selected is >=1.96.
- #2138 Base Precinct Editor: Id field is not disabled when Cards Printed election status is set.
- #2108 Selecting 'Cross-endorse totals only' in SOVC or Election Summary dialog boxes results in a 0 total for a cross-endorsed candidate for shadow and shadowed races.
- #2102 Incorrect report totals when accepting challenge ballot with a cross-endorsed candidate in GEMS Challenge Board.
- #2093 SOVC report prints the 'Write-in' label twice for races with cross-endorsed candidates if you select 'Cross-Endorse Totals Only'.
- #1424 In the "Audio" editor clicking on 'Format' before recording audio results in an internal error.
- #816 SOVC report shows Reg. Voter totals in the Cards Cast column when Cards Cast option is checked and Reg. Voters totals option is unchecked in SOVC window.
- #579 Crash occurs when trying to insert a logo with file size >1MB into header.

Minor Fixes:
- #2414 AccuVote-TS Server v2 Tooltip text incorrect.
- #2412 Inconsistent use of terminology in GEMS UI. (Requires the full GEMS 1.18.17 installation package.)
- #2388 Pressing 'Enter' key closes Voter Registration window.
- #2374 Results Server dialog box doesn't regain focus after selecting Results Server from the GEMS menu.
- #2356 Region Server dialog box doesn't regain focus after selecting Regional Results from the GEMS menu.
- #2337 Voter Groups drop-down lists activated in Header Editor only after saving, then reopening.
- #2304 Rotation District checkbox appears in District Editor for non rotated Sub-Districts.
- #2302 Improve Error msg wording in error dialog that is presented when attempting to generate ballot rotations when races are unassigned.
- #2295 Unable to deselect 'Set For Election' option when Result Server is running but hidden. The solution was to not allow the Results Server to be closed when running; it can be minimized.
- #2288 GEMS does not always detect modem hang-ups.
- #2281 Child districts with rotation # greater than 0 automatically have 'Rotation District' field selected.
- #2280 Changing Vote Centers within the Central Count Dialog results in error message on AVOS unit after feeding ballots.
- #2269 "Attempt to scroll past end or before beginning of data" error message occurs after double-clicking on changed ballot in tree view. This only occurs when ballots have been changed but the tree view had not been updated (as when changing ballot length).