

Exhibit S



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07/11/2005 02:21 PM

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Subject GEMS 1-18-24 update

All,

Here is the report for GEMS 1-18-24. This release only adds the Express Poll 4000 to the previously qualified system.

Thanks,



Shawn 2005-07-08 GEMS 1-18-24 Final Report A1.pdf



Software Functional Test Report
Diebold Election Systems
GEMS 1-18-24

Original Report Version 1.0 for GEMS 1-18-24 created 6/27/05
Addendum 1 for GEMS 1-18-24 created 7/08/05

Vendor: Diebold Election Systems

Software: GEMS 1-18-24

Prepared By: CIBER, Inc.

Test Report
Diebold Election Systems GEMS 1-18-24

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1 DESCRIPTION

Diebold added the Express Poll 4000, an Electronic Roster and Voter Access Card Writer, to its set of precinct election management tools. CIBER was requested to perform a system level test of the Express Poll with the previously qualified GEMS 1-18-24 and the AccuVote-TSx Precinct Count with AVPM (Bootloader BLR7-1.2.1, Windows CE WCER7-410.2.1 operating system, 4.6.3 Firmware). Only the Voter Access Card Writer portion of the Express Poll 4000 was included as a part of this testing.

Software Review

CIBER performed a Source Code Review of the Voter Access Card Writer portions of the Express Poll 1.1.5. After changes were completed, a witness of the Build was performed. The creation date of the final version was 6/30/05.

Technical Data Package (TDP) Review

A TDP review was performed and the following documents were reviewed:

| Component | Document | Revision |
|---------------------|---|----------|
| ExpressPoll 4000 | 2.01 TDP Introduction | Rev. 2.0 |
| | 2.02 System Overview | Rev. 2.0 |
| | 2.03 System Functionality Description | Rev. 2.0 |
| | 2.05 Software Design and Specification | Rev. 2.0 |
| | 2.06 System Security Specifications | Rev. 2.0 |
| | 2.07 System Test and Verification Specifications | Rev. 2.0 |
| | 2.08 System Operations Procedures | Rev. 2.0 |
| | 2.10 Personnel Deployment and Training Requirements | Rev. 2.0 |
| | 2.11 Configuration Management Plan | Rev. 2.0 |
| | 2.12 Quality Assurance Program | Rev. 2.0 |
| | 2.13 System Change Notes | Rev. 2.0 |
| | 2.14 Telecommunications | |
| | Appendix A: Software Specifications | Rev. 2.0 |
| | Appendix B: Program Structure and Flow | Rev. 2.0 |
| | Appendix C: Data Organization and Flow | Rev. 2.0 |
| | Appendix D: Software Build Process | Rev. 2.0 |
| | Appendix E: Installation Procedures | Rev. 2.0 |
| | Appendix F: Procurement Certification | Rev. 2.0 |
| | Appendix G: Performance Metrics | Rev. 2.0 |
| | Appendix H: System and Data Integrity | Rev. 2.0 |
| | Appendix I: Hardware Component Specifications | Rev. 2.0 |
| | Appendix J: Configuration Management | Rev. 2.0 |
| | Appendix K: Quality Assurance Methodology | Rev. 2.0 |
| | Appendix L: Test Plans | Rev. 2.0 |
| | Appendix M: Administrative Test Plans | Rev. 2.0 |
| | Appendix N: Bugzilla | Rev. 2.0 |
| | Appendix O: Coding Style | Rev. 2.0 |

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| | Appendix P: Documentation Standards | Rev. 2.0 |
| | Appendix Q: Client Security Policy | Rev. 2.0 |
| | Appendix R: Training Programs | Rev. 2.0 |
| | Appendix S: Development Office Backup Guide | Rev. 2.0 |
| | Appendix T: System Acquisition | Rev. 2.0 |
| | Appendix U: Support Revision 2.0 | Rev. 2.0 |
| | Appendix V: Windows CE Security | Rev. 2.0 |
| | FVSS 2002 Vendor Testing and TDP Trace | Rev. 2.0 |
| | Election Administrator's Guide | Rev. 2.0 |
| | System Administrator's Guide | Rev. 2.0 |
| | User's Guide | Rev. 2.0 |

Functional Testing

CIBER has completed the functional testing of the Express Poll 4000 with GEMS 1-18-24. Voter cards were created on the Express Poll and tested on the AccuVote TSx running 4.6.3 firmware.

CIBER performed the following tests:

- ❑ Created a General Election database.
- ❑ Submitted the database to Diebold for creation of a Voter Registration database
- ❑ Loaded Voter Registration database on the Express Poll and downloaded election to the AccuVote TS-R6
- ❑ Created voter cards on the Express Poll 4000 and voted the election on the AccuVote TSx
- ❑ Uploaded the results to GEMS
- ❑ Compared GEMS election result reports to the AccuVote TSx reports
- ❑ Reviewed Audit Logs

The successful completion of these tests verified that the Express Poll 4000 functioned as designed with GEMS 1-18-24 and the AccuVoteTSx running 4.6.3 firmware.

Summary of Reports and Addendums

The purpose of this summary is to provide a quick reference of the progression of testing that was performed from the original report through all the addendum reports. For specific details please see the appropriate report or addendum.

Original Report Created 06-27-05

| Integration Test Suite | Hardware – (All 2002) | Source Code | TDP |
|------------------------|---|---------------------|-----------------------------------|
| GEMS 1-18-24(2002) | AccuVote-OS Precinct Count (Optical Scan) 1.96.6 Firmware AccuVote-OS Central Count (Optical Scan) 2.0.12 Firmware AccuVote-TSx Precinct Count with AVPM (Touch Screen with Printer Module) Bootloader BLR7-1.2.1 running Windows CE WCER7-410.2.1OS, 4.6.3 Firmware Election Media Processor 4.6.1.0 program dated 3/30/2005 Key Card Tool 4.6.1 VCProgrammer 4.6.1 Voter Card Encoder 1.3.2 | GEMS 1-18-24 (2002) | GEMS TDP 1-18 Revision 3.0 (2002) |

The original report consisted of full TDP and source code review to the 2002 standards, and a full functional system integration test to 2002 standards.

Addendum 1 Created 07-08-05

| Integration Test Suite | Hardware | Source Code | TDP |
|------------------------|---|--------------------------------|--------------------------------------|
| GEMS 1-18-24(2002) | Express Poll 4000 AccuVote-TSx Precinct Count with AVPM (Touch Screen with Printer Module) Bootloader BLR7-1.2.1 running Windows CE WCER7-410.2.1OS, 4.6.3 Firmware | Express Poll Software 1.1.5 | Express Poll 4000 TDP Version 2.0 |

Addendum 1 consisted of a full TDP and source code review of the Express Poll 4000 to the 2002 standards, and a functional system integration test with GEMS 1-18-24 and the AccuVote TSx (4.6.3 firmware) to 2002 standards.

Summary

The following is a list of all the latest components that have been tested and recommended for qualification for the most current version of the system suite:

GEMS 1-18-24

AccuVote-OS Precinct Count (Optical Scan) 1.96.6 Firmware

AccuVote-OS Central Count (Optical Scan) 2.0.12 Firmware

AccuVote-TSx Precinct Count with AVPM (Touch Screen with Printer Module) Bootloader BLR7-1.2.1 running Windows CE WCER7-410.2.1OS, 4.6.3 Firmware

Election Media Processor 4.6.1.0 program dated 3/30/2005

Key Card Tool 4.6.1

VCProgrammer 4.6.1

Voter Card Encoder 1.3.2

Express Poll 4000

GEMS 1-18 TDP Version 3.0

Express Poll 4000 TDP Version 2.0

