

EXHIBIT 2  
DATE 1-23-05  
HB 297

HB297 Presentation  
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### Acceptance Test Requirements for DRE (Touch-screen) Voting Machines

1. Individual machine user tests. Is the final readout correct?
  - a. Fundamental tests, voting straight through.
  - b. Backup to previous screen. Is previously set data still correct?
  - c. Straight ticket.
  - d. Split ticket in various configurations.
  - e. Repeat the above for each different ballot.
2. Stress testing of a precinct-sized system.
  - a. At a precinct, when many controlled tests of type (1) are conducted, is the cumulative precinct tally correct? Does it miscount 1 in 100? 1 in 1000?
  - b. Since the ballots are different at each precinct, repeat (a) for each.
  - c. Can the precinct system manage the expected load?
  - d. Can the precinct system manage the maximum (2004-sized) load?
3. Failure mode testing. Do the machine tally and the precinct tally remain correct? Are any votes lost or miscounted? A through c all occurred in the 2004 election.
  - a. Individual voting machine has a Windows operating system crash.
  - b. Individual voting machine has a network failure.
  - c. Individual voting machine has a power failure.
  - d. Entire precinct system has a power failure.
  - e. A, b, c, and d repeated for central tally system.
4. Central tally system tests.
  - a. Are multiple tests of type (2) tallied correctly?
5. Security. DRE critics have found many security flaws.
  - a. Is each precinct system secure from network attack?
  - b. Is the central tally system secure from network attack?
  - c. Are all of these systems secure from attack by a trusted insider?
6. Upgrades. All the above needs to be retested for each software upgrade.