

The State of Texas



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Gwyn Shea
Secretary of State

TO: Ann McGeehan
Elections Division Director

FROM: Glenn Glover
Voting System Examiner

A handwritten signature in black ink, appearing to read "Glenn Glover".

DATE: June 11, 2003

A voting systems certification examination was held at the Radisson Hotel at Town Lake in Austin, Texas on Wednesday, May 28, 2003. Election Systems & Software, Inc. (ESS) presented for State of Texas recertification the following voting systems and versions:

iVotronic DRE Voting System	8.0.0.0
Model 100 OMR Precinct Counter	5.0.0.0
Model 650	1.2.0.0
Unity Election System Software consisting of	2.4
Ballot Image Manager	7.2.0.0
EDM – Election Data Manager	7.2.0.0
HPM – Hardware Program Manager –	5.0.0.0
DAM – Data Acquisition Manager	5.0.0.0
ERM – Election Reporting Manager	6.4.4.0
Audit Manager	7.0.2

ESS began the certification presentation with a discussion of issues regarding their voting systems including the audit log problems with their iVotronic and Unity system in the recent Bexar County elections. As a result, ESS revised the audit log functionality of the systems by removing unnecessary lines of output, consolidating data output, and by providing more readable and descriptive events. Also, changes to the Voting Systems Certification chapter in the Texas Administrative Code (TAC), now permits the real-time printed audit log to be waived if an alternative method of logging significant events can be accomplished. The iVotronics provides a detailed internal logging alternative, eliminating the need for the real-time audit log print out. The iVotronic revisions also include the addition of a status bar display providing users a visual queue of the machine's status when it is powered up on election day. This corrected a problem with election workers not knowing the operational status of a machine after it was powered on. The iVotronics zero totals printout is now enforced whereas before it was an option. To expedite iVotronic bootup for elections with a large amount of ballot information, a flash media card is used to hold information. This is to prevent problems that occurred in recent Dade County elections with voting delays when powering up the iVotronic systems.

The examiners spent the day voting and reviewing all ESS's voting system component changes to ensure compliance with the TAC and Texas Election Voting System standards and found no apparent problems. I find the ESS systems itemized above to be in compliance and recommend their certification for use in Texas pending NASED certification.