ES&S

The ES&S systems were re-examined in Austin on May 28, 2003. The names and releases of the hardware and software are as follows:

> Unity - version 2.4 - an election setup, and central accumulator and reporting system
>> Unity subsystems:
>>> Audit Manager v- 7.0.2
>>> Election Data Manager – v- 7.2.0.0
>>> Ballot Image Manager – v- 7.2.0.0
>>> Hardware Programming Manager – v – 5.0.0.0
>>> Data Acquistion Manager – v – 5.0.0.0
>>> Election Reporting Manager – v – 6.4.0.0
>> Model 650 – firmware v. 1.2.0.0 - optical central-counting scanner
>> Model 100 – firmware v. 5.0.0.0 - optical precinct-counting scanner
>> iVotronic - version 8.0.0.0 – DRE voting machine

The examination revealed no problems with the overall system. The system has been improved and operated very smoothly. The Unity and Model 650 audit logs have been improved. Unity now records the significant events in a concise and timely manner. It can handle the logging for large early voting accumulations. The iVotronic boot-up time has been shortened.

The Ivotronic voting machines are accumulated at the precinct onto 1 PEB. The accumulation process is recorded on an electronic log, not a real-time log, as allowed by the recent ammendment to the Texas Election Code. The log from each Ivotronic can be printed from the electronic log saved on the flash card. Flash memory cards are inexpensive today. The cards should be kept as part of the election record for the required retension period before being reused.

The Data Acquistion Manager should be changed so that only precinct files for the current election appear in the list of results to be uploaded. During the examination, results from a previous election, appeared on the list. If the wrong file was chosen by the operator on election night, Unity would reject it. However, it would be less confusing if previous election files were not displayed.

Ballots cast by the examiners were recorded correctly by each of the voting systems and accumulated accurately by Unity.

Conclusion

The Unity, Model 650, Model 100 and iVotronic systems meet the standards outlined in the Texas Election Code. I recommend certification for each system.

Tom Watson
Examiner