AccuVote TSX with Assure 1.2

March 9, 2011 Letter Certification (TSX-R7 4.7.8 Model D, GEMS 1.21.5, and Assure Security Manager 1.2.5)

Conditions:

- Certified pursuant to EAC report and the recommendations of the Examiner

Examiner (Newkirk) Report Conditions/recommendations:

- GEMS 1.21.5
    - As part of routine physical access security, the Assure 1.2 server, on which GEMS operates should not be connected to any external network.
    - All servers and hubs associated with the operation of devices connected to the Assure 1.2 server and network must operate in a physically secure environment with routine physical access controls.
    - All external ports on all devices, including those on the PCS digital ballot scanning devices, should be disabled or physically sealed.
    - Pennsylvania's election authorities should work with ES&S representatives to conduct periodic reviews of Assure 1.2's operating system and SQL database logs.
    - The Department should provide clear notification to the local election authorities that they should not load any third-party software on the GEMS server, nor should they remove any installed software from the GEMS server.
    - The Department should design and implement procedures in conjunction with local election authorities and all of its vendors to develop and maintain current, accurate descriptions of all voting system hardware, firmware, and software and network components of its voting systems.
- ExpressPoll CardWriter 1.1.6
    - ES&S should verify to the Department in writing that the firm has the ability to disable these modems so they cannot be used to communicate data to or from the TSX.
- Premier Central Count System ("PCS") 2.2.5 Model 960
    - In an abundance of caution, the Department should issue a written statement that the PCS central count ballot counters comply with the Commonwealth's statutory requirements for availability and use of permanent and public ballot counters.
- AccuVote OS Central Count 2.0.15 Models A, B, C, D
    - Local election jurisdictions need to carry out a full Logic and Accuracy ("L&A") testing on each device.