

## iVotronic with Unity software

### **December 22, 2005 Report:**

#### Conditions:

- The continuous roll VVPAT must be disabled prior to being delivered to Pennsylvania counties, because it violates the Pennsylvania Constitution and the Election code.
- Counties purchasing (using) the ES&S System may not use the ES&S provided modems to transmit official or unofficial election results.
- Counties must change the default password upon receipt of this system.
- Unity must be operated as a standalone system without network connection, local or otherwise.
- Counties purchasing (using) the iVotronic must be instructed to install iVotronic flash cards at the warehouse and seal them into the voting units.
- A checklist must be prepared by ES&S, in consultation with the Department, to be furnished to any Pennsylvania county upon delivery of the System, detailing the selectability of each option when setting up an election. Illegal options within Unity are as follows:
  - “eliminate Write-Ins” option;
  - “allow over-vote”
  - “straight party inclusive logic”
  - Ballot rotation

#### Recommendations:

- The Secretary recommends that the iVotronic be reconfigured to produce an onboard zero tape at each machine. The Secretary reminds counties that they must print, sign and post each zero tape at the opening of the polls, pursuant to the requirements found in 25 P.S. § 3031.10(g) and §3049(b)(1).
- All user-tamperable connections on the iVotronic must be removed or protected with a locking mechanism.
- Passwords be required for all Unity modules.
- Counties continue to change their passwords after every election.
- A prominent under-vote warning should be given to the voter before he or she advances to a new screen.

### **April 7, 2006 Report – conditions and recommendations are in addition to those found in the previous report**

#### Conditions:

- ES&S is required to instruct counties to change the font size for write-in votes when setting up and election.

#### Recommendations:

- A warning message be displayed asking the district election officials to confirm that they would like to close the polls if they inadvertently hit the “close the polls” button
- The iVotronic be changed so that the default font size for write-in votes is small enough to ensure that the entire name of the voter’s choice will appear following a write-in vote.