

1. After successful check-in, each handset should display a “ready to vote” indication when a vote is not in progress.
2. Improve Handset display at each stage of vote to ensure Voter clarity; see recommend Stated Diagram.
3. Improve the Audit
 - a. Teller Audit:
 - i. allow randomly-selected handsets to be issued to Tellers
 - ii. setup Teller Audit Report to print the vote received from each selected Teller Handset
 - iii. Test Teller Audit and print Report before each Session
 - b. Random Audit (preferred):
 - i. Participants are Voters chosen in real-time
 - ii. Obtain participant Handset codes by scanning handsets at front of room near Moderator
 - iii. Audit Report prints the vote received from each participant Handset

After the ELVIS meeting of 2012-06-02, I sent the "Requested Voting Systems Improvements v2" and "State Diagram 2012-06-21" documents reviewed at that meeting to Mart Fite of OTI. On 2012-07-06, I discussed these "suggested improvements with Mark. He was generally receptive, but expressed concern the improved state flow we recommended could slow the voting process because OTI's software has no means of simultaneously sending one message to all handsets on a channel. Mark further noted that OTI software can only control the contents of the top line of a handset's two-line display; the bottom line is used to display system messages like "received". Mark said he would have his technical staff consider our proposed improvements in detail.

On 2012-08-27, Mark Fite and his development lead discussed with me their response to our suggested improvements:

1. OTI has not yet found an acceptable way to have each handset display a "ready to vote" indication after successful check-in and whenever a vote is not in progress; the lack of a broadcast mechanism, as mentioned above, is the primary impediment.
2. OTI's system now implements the attached state diagram; ELVIS must specify the "X" that is displayed when the user strikes the handset's 3 key in the "Window Open" state", and that is subsequently displayed in the "Window Closed" state.
3. For Wayland's Spring 2013 Town Meeting, OTI expects to improve the Teller Audit to allow handsets randomly selected before each session to be issued to Tellers.

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Chair, ELVIS