

The ExpressVote XL (ES&S)



Similarities to our Danaher and other full-faced machines:

- Big and heavy
- Full face ballot screen

Problems as a BMD:

- This XL hybrid ballot-marking device (BMD) prints a narrow paper **summary** (not formatted like voter-viewed ballot choices on touchscreen) which is shown under window for (alleged) verification. Studies have shown how very difficult this comparison is for voters to do accurately.
- Actually, verification is impossible because this BMD prints the information that will be read by the scanner as **barcodes**, which are not human-readable!
- The XL has another fatal flaw -- its "**opportunity-to-mark**" feature. The ballot being inserted into scanner goes past the printing head again on its way to the ballot box, allowing possible additional marking on the ballot that is not voter-verifiable.
- Having this BMD mark ballots for voters who can hand-mark them is needlessly complicated, introduces unnecessary vulnerabilities, and no guarantee that the vote can actually be verified correctly prior to scanning.
- The XL can only scan ballots which have proprietary barcodes printed on a 4"-wide strip of paper. It has **no flexibility to scan hand-marked paper ballots**, such as absentee or provisional ballots. It is the only voting system on the market with this limitation.
- When all voters use a touchscreen to vote, it creates the **longest lines**. If a polling place has two machines, then only two voters can vote at a time. A slow voter holds up the line for everyone else. An audioballot being used by a disabled voter could occupy a machine for 30 minutes or longer.
- The XL is arguably the most expensive BMD on the market, **costing at least twice as much or more** than other ones. Multiply that many times over for maintenance, licensing, transporting, and other annual costs.
- Vendors are pushing this to Danaher jurisdictions because "it's similar to what voters use now." It defies belief that some election officials are convinced that this \$8000 machine works better and is easier to use than a \$.50 pen to fill in ovals on a paper ballot! In any case, security must take precedence over any alleged ease of use.