

ES&S Responses to County Questions

Boulder County, CO Questions:

- **Do you know if any system can do a 11 by 17 page ballot? We have had to use an 11 by 17 in ballot in most even year elections.** – (ES&S) Our system has four sizes for ballots (11”, 14”, 17” and 19”) that each have three different settings (small, medium and large) within them to allow for more information to be put on the ballot. We have even further options available with the amount of columns you can put on a ballot (up to 8) that will allow even more information to be put on the ballot without going to a larger size or multiple page ballot. We designed this system to be very flexible for our customers and allow them to put a tremendous amount of data on to a ballot. For example, the City of Detroit had two 19” ballots in one of their recent elections and with our system; we were able to consolidate this down to a single 19” ballot. That said, you will be able to fit a 11”x17” ballot on to a 19” or possibly even a 17” ballot with our system.
- **How does the audio and print database fit together? Do you have to have the audio completed before you can finalize the database? Can you create a separate database for the accessible voting with audio and the paper database and easily combine the results? For long ballots, having to wait for audio in the already very tight timelines can cause significant delays in the process?** – (ES&S) Our system breaks down the finalizing of the databases in to two categories – tabulators and ADA equipment. This can be all done at once or separately, depending on how each customer wants to use it. In this scenario, the ballot can be designed, printed and tested on the tabulators before the audio ever needs to be completed. Once the audio has been completed, which will take only minutes with our system, the two will already be synced, so there is no other process that needs to be done. This will allow the customer to fully test their ballots and tabulators and not have to wait on the audio section to be completed.
- **If they can, scrambling the images would increase anonymity and reduce cost in make exporting the images for public. For all systems how is the image tied to the ballot? Seems like most rely on keeping them in.** – (ES&S) Our images are scrambled at the precinct level to protect voter anonymity, which will ensure that no one can trace back a ballot to the image at the precinct level. At the central count level the images correspond to the numbered ballot, which get numbered when ran through the tabulator, so that they can be found later for the Risk Limiting Audit. We ensure voter anonymity because the ballots are removed and put in to batches with no identifying marks to the individual voter.
- **What are the projected life spans for each of the systems?** - (ES&S) At least 10 to 15 years.
- **Can images be exported to use in any BOD system?** – (ES&S) Yes, our ballot images can be exported in .PDF format which then can be printed on any printer, including a BOD printer.
- **Can ballot name be custom edited to include district style and precinct in all systems? We name the styles in a way to make it very easy for judges to tell what ballot they are giving a**

voter. – (ES&S) Absolutely, the precincts and styles can be customized to whatever you would like them to be.

Pitkin County, CO Questions:

- **Ease in handling SCORE data integration with the system, and working with excess information from SCORE. Is the ballot style naming flexible with SCORE, especially with Everyone Counts.** - (ES&S) Electionware features a robust import system that allows users to import a wide variety of information, including (but not limited to) candidates, contests, questions, precincts, districts, and the relationships between all of these. It is a one-click process, with all of this information being imported in a single action. Likewise, updated information can be imported if new or updated data becomes available.
- **Programming precinct based elections versus style based.** - (ES&S) ElectionWare supports both precinct-based and style-based elections without issue.
- **Ease in layout capability; i.e., editing, spacing between columns, no candidates for a listed race and does the race look similar on the ballot vs. ADA voting device, allow space/characters text for endorsements (candidates pledges to run only one term), are there character limits, can ballot footers be customized or removed, ability to edit again once generated, etc.** – (ES&S) The design of traditional ballots is easily accomplished in Electionware’s Paper Ballot module. We will answer each item in turn:
 1. Editing – Making edits to your ballot design is a straightforward and easy-to-learn process. What’s more, much of the information presented on the ballot can be modified right there in the Paper Ballot module, without the need to return to the data entry module.
 2. Column spacing – Column control and flexibility in ES&S software is unsurpassed in the industry. The user has complete control over the number of columns, the width of each column, and spacing in between. For example, you can direct the software to have four columns on the front of the ballot, with two on the back. There are a multitude of additional options beyond this example.
 3. No Candidates – ES&S software fully supports No Candidate designations. If desired, the software will actually create the “No Candidates” for you where applicable, and that is done with a single click of the mouse.
 4. Contest appearance, Paper vs ADA – In the ES&S system, the design of the ADA ballot actually borrows its design from the paper ballot, so yes they look similar. For example, if you design the paper ballot to present the Contest Title (i.e. President) bolded and centered, the ADA voter will see that same design on the ExpressVote screen.
 5. Special Candidate Information – Special notations for individual candidates – such as candidate pledges, addresses, or any other information – is fully supported by ES&S software. The user can add hundreds of characters of additional information for each candidate, if so desired.
 6. Character limits – With ES&S software, our character limits are set incredibly high. For example, a candidate’s first name can be up to 255 characters. Their last name

may also be 255 characters. To give you an idea of how high we've set character limits, the text of ballot questions can exceed 640,000 characters.

7. **Ballot Footers** – Ballot footers and headers are completely customizable within the Paper Ballot module. They can be added, deleted, or modified completely by the user. There is plenty of additional flexibility in this area as well.

- **Can a nonpartisan primary ballot be programmed? (Home Rule Charter)** – (ES&S) ElectionWare fully supports a Nonpartisan primary ballot.
- **Does the ADA compatible equipment offer flexibility in programming the template features of the audio ballot; including, the ability to speed up, slow down, and pause the audio as the voters needs necessitate.** – (ES&S) The ExpressVote allows the voter to fully control the tempo of the audio, and also allows them to pause the audio at any time. They can speed up or slow down the audio. The ExpressVote actually has a Braille keypad button specifically designated for tempo. It also features a "Repeat" button that will replay the most recent phrase.
- **Provisional ballot programming and processes.** - (ES&S) ElectionWare fully supports the creation of Provisional ballots.
- **How does the system handle multi-page ballots in an election; i.e., scanning, images, audits, etc.; and, what is the largest ballot paper size that can be produced.** – (ES&S) Designing a multi-page ballot in Electionware is very simple. The software notifies the user if the current election is not fitting on one page. The user then adds a second page and the contests simply rollover without additional steps or effort. The DS850 Central Tabulator numbers each ballot sheet individually – regardless of Page 1 or Page 2. This means that any ballot in the election can easily be located during a Risk Limiting Audit.

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- **Suppressing outcomes during tabulation due to death or withdrawal.** – (ES&S) The system supports the suppression of a withdrawn candidate in a number of ways, depending on where you are in the election process:

If ballots have not been printed, simply remove the candidate from the election and generate new ballots. This is a very quick process.

If ballots have been printed and there is no chance for a reprint, the first step is to remove the candidate from the election within Electionware. Next is to redesign the ballot with the candidate being omitted, yet keeping all other candidates in the same position. Electionware makes this very simple by allowing the user to leave an empty voting position where the

withdrawn candidate previously existed. Under this scenario, the candidate would not appear on any downstream reports, and all printed ballots would still be usable.

If the candidate is withdrawn at an extremely late date, such as Election Day, the reporting software allows the user to change the name of the candidate. In this scenario, the candidate's name might be replaced with a phrase such as "Candidate Withdrawn" or something similar.

- **What stopgaps are in place to prevent reprogramming of the election database after media has been downloaded; and, stopgaps to separate the upload of media and tabulation of results.** - (ES&S) If election media has already been programmed, this is readily displayed to the user. If they attempt to return to earlier stages in the software – such as changing the ballot design – they are immediately warned and notified in detail of the consequences. They must perform a conscious action before being allowed to proceed. Similar protections exist if results have already been uploaded.

Furthermore, Electionware prevents simultaneous users from performing any actions that may undercut or inhibit their coworkers. For example, if User A is designing ballots, and User B tries to change the number of precincts in the election, User B will be prevented from that action and will be informed the specific reasons.

- **Does the system provide various levels of administrative restrictions for authorized user.** – (ES&S) Every user in Electionware is provided their own login credentials to the software, and each user can be assigned their level of access, meaning they only see the parts of Electionware that they approved to use. It also maintains a log of all actions performed, tracking all actions by user and providing complete auditability for your election.
- **Capability in extracting various types of reports.** – (ES&S) Electionware supports a wide variety of reports. We allow the user high levels of customization, meaning they only see information on their reports that they want to see, and can omit any data that isn't of interest. All reports in Electionware can be printed or exported in a variety of formats, including PDF, CSV, and Microsoft Excel.
- **Scanning equipment - does the system assure issues are resolved before judges proceed, therefore assuring elections balance.** – (ES&S) This scenario does not apply to ES&S tabulators. Our equipment utilizes patented technology for automatic adjudication.
- **Safeguards to assure judges program the correct ballot style.** - (ES&S) Our ExpressPass printer works in sync with the SCORE system to print the voter's ballot style ID on the activation card. When inserted into the ExpressVote, the appropriate ballot style is presented to the voter, eliminating any chance the voter may receive the wrong ballot style.