

Second Chance, Raffle, and Promotional Draws

Szrek has provided draw systems for US and International lotteries and vendors since 2005. Our draw solution consists of two sister products, Trusted Draw™ which generates random numbers and Trusted Audit™ which verifies the integrity of the random numbers. The patented methodology provides complete proof of integrity and transparency into random number generation process.

Our Solution Supports. The Trusted Draw and Trusted Audit solution supports all lottery games, including 2nd Chance, Raffles, and promotional draws. It offers advanced functionality and important security features, streamlining the draw process while supporting a very large number of entries and enabling draw integrity verification.

2nd Chance draws are either done from a file containing all participating entries or from multiple files if the lottery has multiple sources of game entries for a draw.

Raffle draws can be done from a file or manually through our secure Graphical User Interface (GUI). Our GUI designed by user-experience specialists is easy to use, intuitive, and efficient. It uses One-Click™ technology to integrate many repetitive draw steps into a single action.

The draw system also supports various draw rules, flexible winning tiers, enforcing a single win per player or household, assigning weights to different entries, etc. The draw rules are designed to reduce pre-and post-processing of data, thus making the draw process much more efficient. The draw output file can be used to update the database, to print bank checks to send to winners, to send results to the web, for marketing purposes, for contacting winners, etc. For example, one lottery was able to reduce the number of post-draw steps from 9 to 2!

Security features. The draw system (Trusted Draw) provides proof of integrity for every draw. Using an independent verification system (Trusted Audit), the lottery auditor can prove that the draw results were not manipulated and were not created erroneously, e.g. due to RNG hardware failure or software errors.

Our security differentiator is described using an animation here: <https://www.youtube.com/watch?v=nT2M6pQpaU4>. and the technology is illustrated here: <https://www.youtube.com/watch?v=jDJ8qa-Bds>.

Note that for draws done from an input file, the security features include digitally signing the input file(s), securing all participating entries during the draw. This provides proof of the input data used for the draw – and this information is verified by Trusted Audit along with other essential draw data. Also, the audit footprint is simplified as many processing steps that normally require verification are eliminated.

Mode of Operation. 2nd Chance, Raffle draws, and other promotional draws can be performed either manually on an isolated or air-gapped draw system or draws can be automated using a connected draw system, driven by an online gaming system or a 3rd party system. Connected draw systems allow for eliminating human error in performing draws and can benefit from integration with ICS to allow for automated integrity verification.

Secure remote draws are supported, with the draw manager, auditors, and observers located in the same or different locations, e.g. office, draw room, home.

Approach. Szrek works with its customers to understand their specific needs, meet any special requirements, explain how to best utilize the existing system interface, and when required, provide system customizations. Before deployment, Szrek offers user-training and documentation. Szrek provides draw support and continual product support after deployment. Since 2006, Szrek's Trusted Draw has been used for Raffle and 2nd Chance draws by many US lotteries including Florida Lottery, South Carolina Educational Lottery, Kansas Lottery, Oregon Lottery, Texas Lottery, and Iowa Lottery.



In sum. This solution - Trusted Draw and Trusted Audit - is easy to use and provides rich functionality that significantly improves draw efficiency, offering the highest level of security.

