

Smartplay's Origin® System: Multi-layer security & complex capabilities

EDGEWATER PARK, NJ (March 11, 2015) - Auditable. Secure. Random. Reliable. Is your lottery drawing staff comfortable using those adjectives with your current RNG? Recent events have placed computerized number generating systems under new scrutiny. Industry leaders are increasingly using the word "auditable" in reference to the measure of integrity RNGs can truly offer. **Smartplay International** deliberately addressed these issues when developing the Origin® System, focusing on access, control and human verification.

Limit access, degrees of control. These concepts seem simple enough; no single person or company should ever have unrestricted access to your live gaming systems. Responsibilities from ticket sales and draw applications should be segregated. With any software change or development, the source and applications should be vetted by a third party as being fit for purpose. Once compiled, digital signatures (checksums) should be calculated and proved on a regular basis.

Human verification and accountability. More than one single person, a minimum of two, should certify, through checksum and seal integrity, that there is a verifiable chain of custody from when the systems were last certified through the current draw. Just as there are occasionally errors in technology, we all know humans make errors. Check and check again.

Smartplay's two-tier approach is necessary to assure game integrity in the digital age of gaming. Our use of this method has been audited, tested, scrutinized and certified by world's top gaming certification companies. KPMG of Vancouver, Canada; Gaming Laboratories Inc. of Lakehurst, NJ; Secure Software in McClean, VA; BMM Compliance of Las Vegas, NV; and Eclipse Compliance Testing in Solon, OH have all certified the Origin® System.

Lotteries using the Smartplay Origin® Digital Draw system can rest easy knowing their drawings are safe from manipulation, insider fraud or hacking. The system is not accessible to a network or the internet. The physical console housing and logon validation, which is required prior to start of a game, give it an added dimension of security. Once the system is ready to go, every event is logged. The system runs its own self-diagnostic check during startup. Lottery officials easily export drawing results to web and media outlets via video card, thumb drive or by using the Origin® Portal System.

So who uses the Origin® System? Washington State, Tennessee, California, Pronosticos (Mexico), North Carolina, Pennsylvania, Kentucky, Louisiana, National Sports Lottery (Nigeria), Illinois, and Ohio lotteries all use the Origin® System on a regular basis. Virginia and New York lotteries use an Origin® for raffles, 2nd chance draws, special event drawings, and as a backup system to their traditional machines. The New Jersey Lottery and Rhode Island Lottery have rented systems on a limited basis for special events.

Adaptable. Highly capable. Auditable. A technologically advanced computer platform containing animations and broadcast-quality graphics on a highly secure and triple-redundant random number software system are all part of the standard Origin® Digital Draw package. Systems have the inherent ability to conduct raffle and 2nd chance games with populations as large as one billion. Pick six out of 36? No problem. Perpetual Keno drawings? Piece of cake! With minimal



expenditure, these systems can be reconfigured to add new games and custom graphics specific to the lottery's game requirements.

Equally as important, Smartplay engineers have copies of all systems distributed to our clients. If ever a question of integrity arises, systems and backup systems can be audited for errors, validation and history.

Established in 1993, Smartplay is dedicated to the creative design, development and manufacture of lottery drawing equipment. The product line has evolved over the years in response to clients' needs by incorporating the latest technology. Smartplay has thereby maintained a position as international leader in the area of lottery drawing machines and customized game show equipment. Smartplay is consistently chosen above other manufacturers due to a reputation for quality and reliability. Smartplay is proud to be the choice of the world's most prestigious lotteries.

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