

Did someone manipulate the RNG?



State-of-the-art RNG with Fraud Detection

Tamper proof logs enable analysis of the
manipulated system

S2S RNG Security Innovation

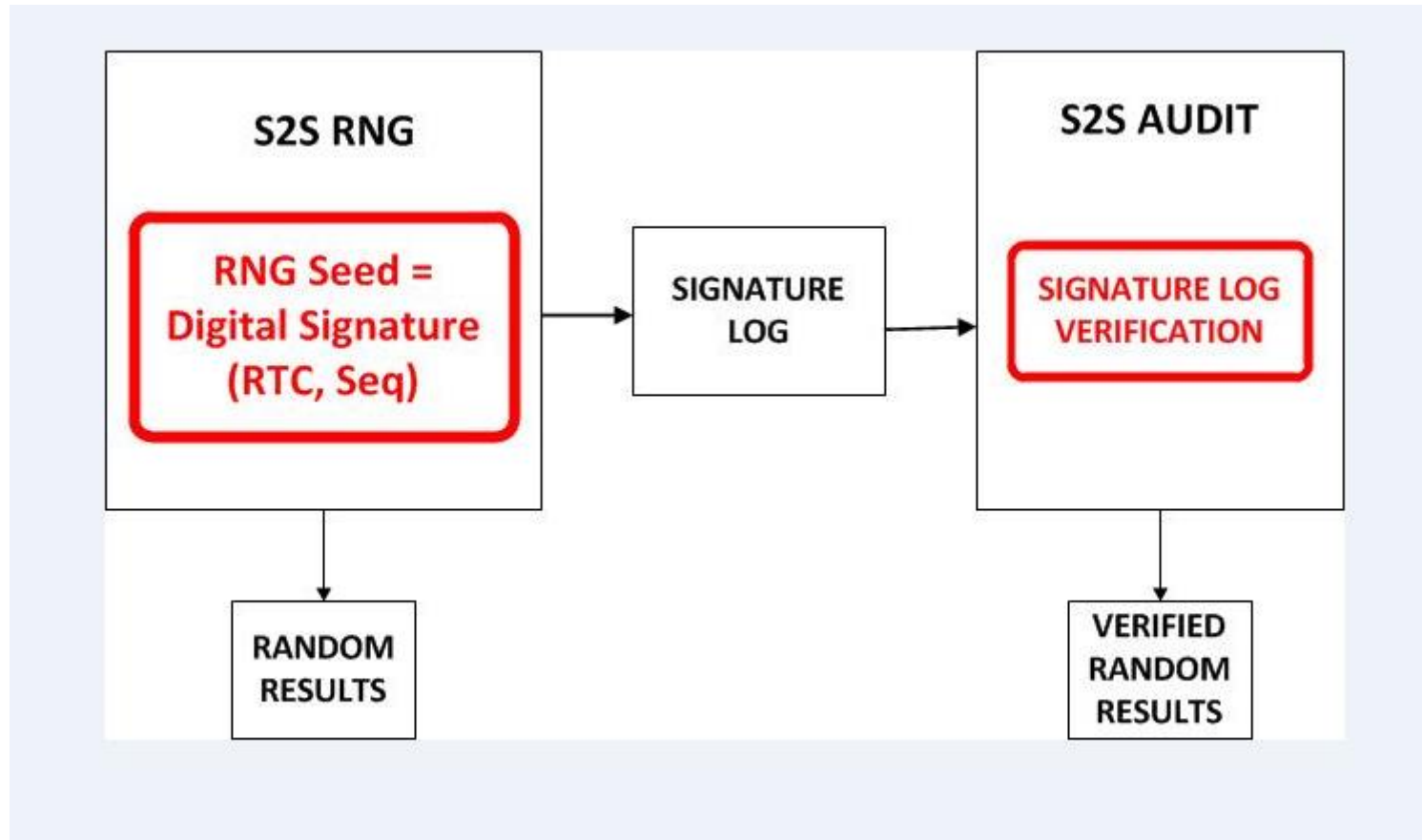
- We couple established technologies
 - Digital signatures
 - Generation of random numbers from RNG seeds
- We use digital signatures as RNG seeds
 - ✓ guarantees verifiability and unpredictability of generated random numbers

S2S RNG Hardware Security

- S2S uses a tamper-proof Hardware Security Module to generate RNG seeds (digital signatures)
- Each time a random number is generated, a tamper-proof record is written (to the signature log)
- The signature log is used on an independent audit system to prove the integrity of
 - random numbers derived from signatures
 - draw time
 - every use of RNG
 - associated transaction data



S2S RNG and Audit





Trusted Product Suite



S2S Experience

- 13 Years in business as Szrek2Solutions LLC
- 11 Years online with RNG and Audit technology
- 17 Certifications of S2S RNG from multiple labs
- 19 Customer deliveries around the world
- 100% RNG and Audit uptime
- 0 Hotline calls
- 2 Billion+ AUDITED random numbers

Customers:

Europe: Danske Spil, Luxembourg Lottery, Lottomatica, Sisal

US: Texas Lottery, Oregon Lottery, Georgia Lottery, Kentucky Lottery

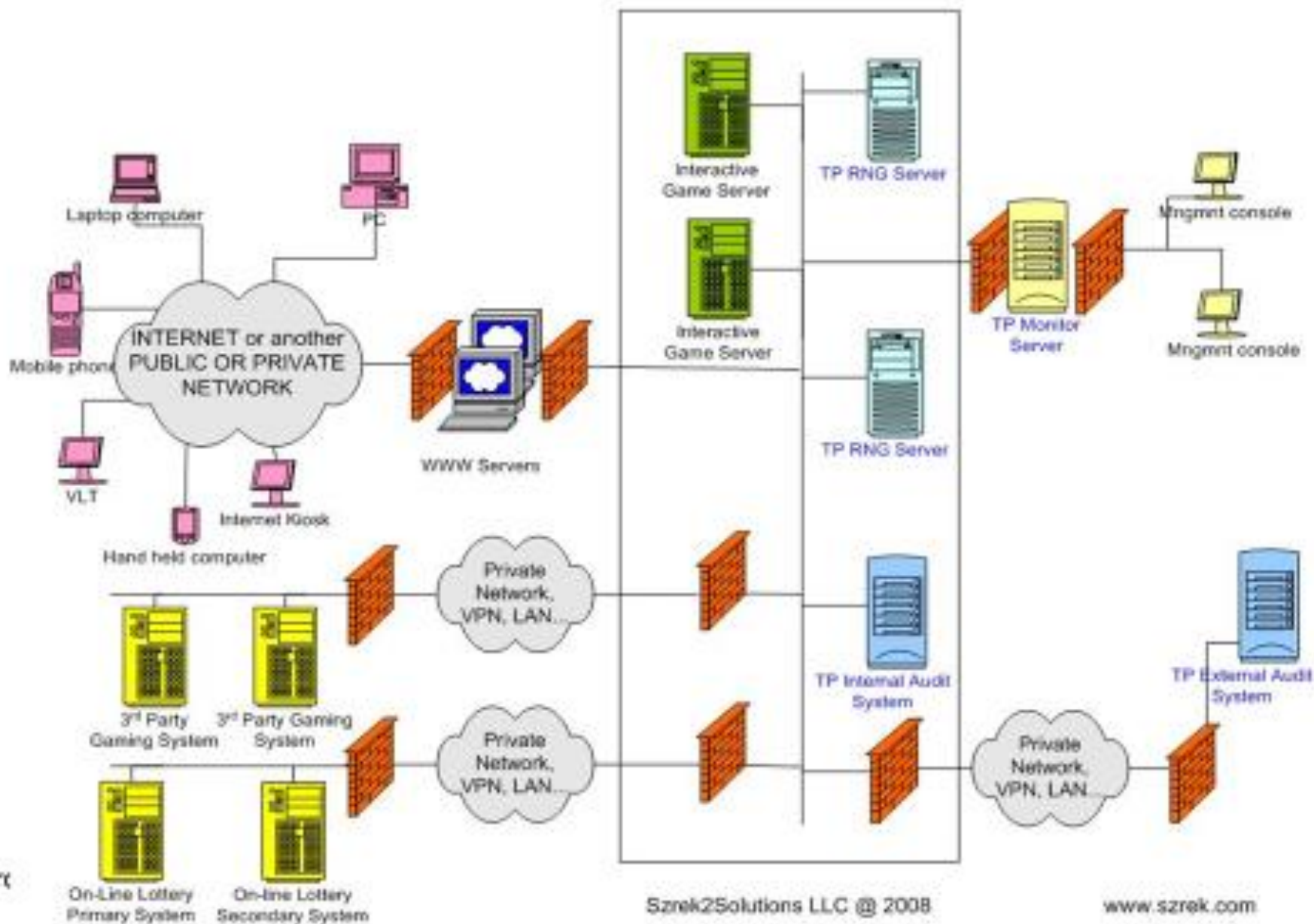
Patents:

auditable RNG method, method of selling lottery tickets on POS,
management of outcomes of games of chance, securing lottery transactions

Interactive Applications

- High Performance Centralized RNG Server (1500 tps)
 - Progressive Jackpot
 - Support for table based distribution
 - with depletion (Lottomatica, Italy)
 - without depletion (Danske Spil, Denmark)
 - State and stateless games – dice, cards, etc
 - Instant draws (Sisal)
 - Social games – e-Bingo (Danske Spil)
 - Regular and high frequency draw games (IGT, Luxemburg Lottery)
 - Raffle, 2-nd chance -draw from file) (IGT, TX, OR; Iowa Lottery)
- Platform for multiple venues, concurrent support for many systems
- Distributed systems, variable configurations, scalable
- Integrity verification and fraud detection – with Trusted Audit

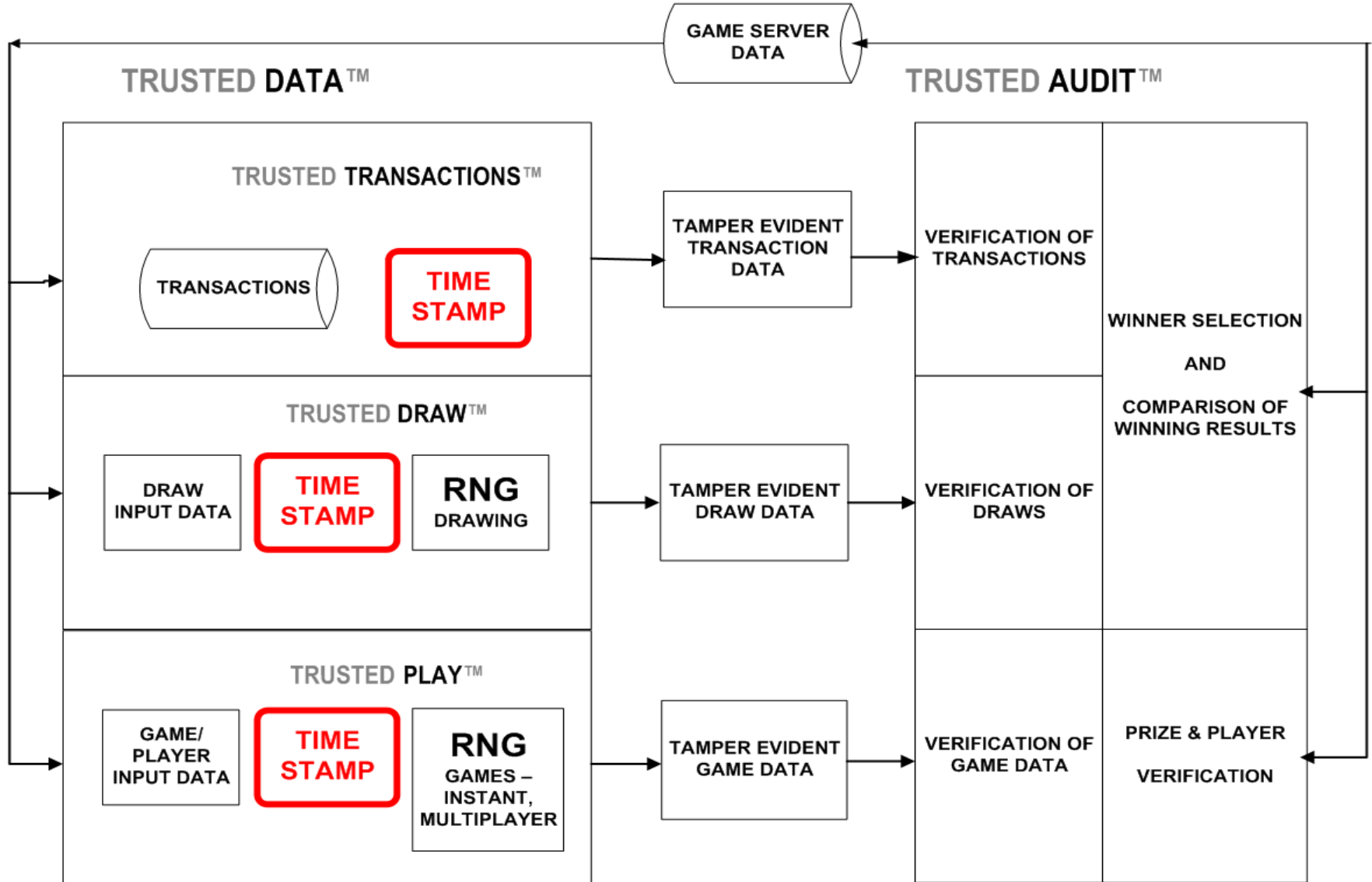
Trusted Products™ Architecture



Conclusion

- Our RNG platform provides the infrastructure for security and integrity to be built into the gaming system
 - Having tamper evident data is a key component for a secure system
- RNG functionality supports numerous game types and fulfills the most demanding gaming needs
 - RNG functionality and flexibility enables rapid game changes and additions
- Automated audit reduces operational complexity and enhances systems integrity
 - Early detection of potential software issues
 - Fraud detection for draw games and instant winners games
 - Assurance of fair-play
- S2S offers a field proven, certified, and the most secure solution on the market today through a future-proof integrity model

Trusted Product™ Suite



Q & A

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