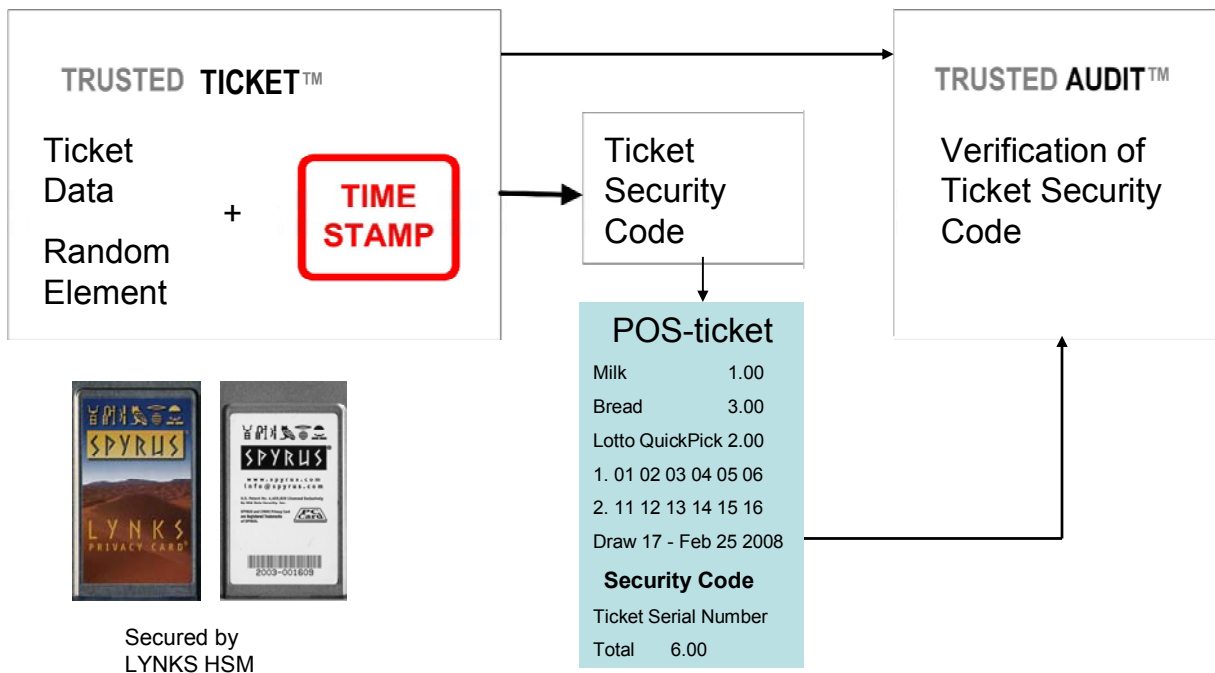


Trusted Ticket™

- A verifiable method of securing authenticity of POS lottery tickets via use of Ticket Security Code, consisting of time stamp of ticket data (time stamp is a digital signature of ticket data and transaction time)
- Ticket authenticity verified independently to endorse prize payment, providing protection from insider fraud
- Uses field proven technology pioneered in Trusted Play™



Trusted Ticket™ Solution Overview

- Trusted Ticket Server is connected to Lottery Host System
- Trusted Ticket Server generates unique Ticket Security Code for wager transaction, based on time stamp of ticket data and a random element
- Ticket Security Code is generated after transaction is processed by Lottery Host system and appended to wager data and sent to POS terminals
- Ticket Security Code is printed on tickets by POS to provide ticket security
- Ticket data is logged (in real-time) to Trusted Audit Server
- Ticket Security Code is optionally verified at validation time by Trusted Audit Server
- Ticket authentication is performed:
 - On-line

- by Lottery Host System (independent authentication process using ticket data from the host system) or
 - Off-line
 - by Trusted Monitor (all ticket data needs to be entered from the ticket)
- For ticket validation standard serial number is used (standard process currently used)
- For authentication all critical ticket data is used
- Additional transaction information can be sent from POS terminal and processed by Trusted Ticket Servers only. This information can further identify selling device and wager transaction
- Standard XML –RPC interface is used between Lottery Host System and Trusted Ticket Server

Trusted Ticket™ Technology

- High speed transaction time stamp methodology has S2S patent pending
- Hardware Security Module (HSM) used for cryptographic functions is
 - Tamper evident
 - NIST certified
 - High speed
 - Includes Real Time Clock
 - Each digital signature is accounted for
- Ticket Security Code includes random number generated with S2S patented RNG – unpredictable auditable random numbers
- Random number Audit function is used to verify Ticket Security Code
- On-line or off-line verification is supported

Trusted Ticket™ Solution Benefits

- Ticket Security Code ensures verifiable security of POS lottery tickets
- Ticket Security Code verification function ensures ticket authenticity
- ‘Black Box’ solution – requires only easy to implement, standard XML interface to Lottery Host System
- Changes to Lottery Host System are limited to S2S interface
- No changes are required to POS terminals – short and long-term benefit
- High speed digital signature generation upholds high response time
- Ticket time-stamp preserves the time of transaction
- Standard cryptographic functions are used – no proprietary algorithms
- Solution offers ticket protection against external and insider fraud
- Trusted Ticket uses already field proven Trusted Play technology.