



NEVADA GAMING CONTROL BOARD  
 ASSOCIATED EQUIPMENT REVIEW CHECKLIST  
 ELECTRONIC KENO SYSTEMS

Auditors' Initials and Date

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Manufacturer: \_\_\_\_\_  
 System/Version: \_\_\_\_\_  
 Trial Location Name: \_\_\_\_\_  
 Mfr#: \_\_\_\_\_ GCB Lab#: \_\_\_\_\_

Review Date(s): \_\_\_\_\_  
 Auditor(s): \_\_\_\_\_  
 Trial Location #: \_\_\_\_\_

		Pass	Fail	N/A	Comments
7.	Describe the method that the system uses to prevent passwords from being reused (i.e. non-reusable for a period of 18 months or, non-reusable for at least 10 password changes). <b>IT MICS #6(c)</b>				
8.	How does the system detect and prevent users from gaining access through repeated password attempts resulting in failed login attempts? <b>IT MICS #6(d)</b>				
9.	How does the system log, at a minimum, the following events: <b>IT MICS #7</b> (a) Failed login attempts? (b) Abnormal or unauthorized changes to live data files? (c) Changes to system policies and parameters? (d) Activity of administrative accounts? (e) Changes to date/time on master time server?				
10.	Describe the method to review the system logs (i.e. available in one or more reports, or viewable only through the system interface). <b>IT MICS #7</b>				
11.	Describe what reports the system generates for exception type activities (e.g., changes to system parameters, corrections, overrides, voids, etc.) that include the following, at a minimum: [Specify the report title(s)] <b>IT MICS #9</b> (a) Date/Time of alteration? (b) Identification of user performing the alteration? (c) Data or parameter that was altered? (d) Value of the data or parameter prior to alteration? (e) Value of the data or parameter after alteration?				
12.	How does the system manage permissions for user accounts (i.e. through use of Group profiles or through Individual profiles) at the application, database, network, or operating system level? <b>IT MICS #10 &amp; 11</b>				
13.	Describe and name the report(s) that the system produces listing user access that contains the following: <b>IT MICS #12 (a) – (h)</b> (a) Employee name. (b) Employee title or position description. (c) User login name. (d) Full list and description of application functions that each group/user account may execute. (e) Date/Time account was created. (f) Date/Time of last login. (g) Date of last password change. (h) Date and time account was disabled or deactivated. (i) Group membership of user account.				
14.	How does the system export the user access listing report to an electronic format that allows it to be reviewed using analytical data tools (i.e. spreadsheet or database)? <b>IT MICS #32</b>				
15.	Describe and list whether, and how, the system creates Generic, Default, Service/System, or Administrative level accounts upon installation at the operating system layer, application layer, or database layer? <b>IT MICS #17-21</b>				
16.	Describe how the system logs all administrative				







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includes the patron name, account number, ID of user altering status of account, date/time of status change, Unique ID of user authorizing the change in account status, account status prior to change, and current account status? [State the report title(s)]  
**IT MICS #9, Keno MICS #41**

47. Does the system record and report any and all changes to system or promotional parameters? [State the report title(s)] **IT MICS #7(d), IT MICS #23, Keno MICS #41 & 42**

**System Components and Configurations**

1. Specify the operating system name and version for all servers on which the system is being installed.
2. Specify the components being submitted for approval with the system including name, version, and server name/location where component is installed.
3. If the system utilizes back-end database(s), specify the database name, version, and server name/location housing the database(s) (i.e. FoxPro, Db2, MS SQL, Oracle, Pervasive, SQL Anywhere, etc.)
4. Specify the IP addresses for each server housing system components and data. (Include a topology diagram and network mapping diagram with the submission)
5. List all user accounts and associated account passwords that are configured on the system submitted for approval. (This includes accounts at the operating system, database, network, and application layers)
6. List the report generation software and version, if applicable (i.e. Crystal Reports, Microsoft SQL Reporting Services, etc.)

Pass	Fail	N/A	Comments

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**Testing Procedures**

Testing Objectives

- Keno tickets contain all required information.
- Keno system does not allow a ticket to be voided after the balls have been drawn and the game has been closed.
- Keno system properly settles winning tickets and reports the amount of each winning ticket to be paid.
- Keno system properly reports all write transactions by cashier and by shift.
- Keno system enforces password complexity parameters and periodic change requirements.
- Keno system properly reports user access listing with all required attributes.
- Keno system properly logs and reports all required system audit event activity.
- Keno system requires supervisory approvals prior to voiding a written keno ticket.
- Keno system properly records and reports all exception type activity.
- Keno system properly records and processes "multi-race" tickets for multiple games.
- Keno system properly records and reports ball draw results for each game played during a shift.
- Keno system properly records and reports all payouts on winning tickets occurring during a shift.
- Keno system does not allow payouts to occur for losing tickets, winning tickets previously paid, or on voided tickets.
- Keno system properly reports all unpaid tickets in detail and in total.
- Keno system properly records and reports patron promotional account balances.
- Keno system requires supervisory approval prior to making changes to patron account system parameters or adjustments to patron promotional account balances.
- Keno system properly records and reports changes to player tracking system parameters and player adjustments.
- Keno system properly reports statistical information for the day, month, and year to date.
- Keno system "restricted" copy of written tickets is secured from access to writers.








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game number, etc.

6. Trace the totals on the Daily Write and Daily Payout reports to the Daily Recap report for each shift. Verify the shift totals are correct and that the house win amount is correct. Foot and cross-foot this report once to determine clerical accuracy.
  
7. Review all voids to determine that they are reported and that all voids appearing on the void report actually occurred.
  
8. Review the system logs and user access listings to determine that all changes are properly reported.
  
9. Review the Daily Keno Revenue Summary and determine the accuracy of:
  - (a) Write, Payouts, Win, and Win to Write percentage for each keno game operated.
  - (b) Total Write, Total Payouts, Total Win, and Total Win-to-Write Percentages for all keno games operated.
  - (c) Daily, Monthly, Year-To-Date totals.
  
10. Foot and cross-foot the Daily Keno Revenue Summary at least once.
  
11. Review the ball draw frequency report to determine that the report accurately reflects the number of times each ball was drawn and numerical frequency distribution is appropriate.
