

Title 13: Gaming

Part 8: TECHNICAL STANDARDS FOR GAMING DEVICES AND ON-LINE SLOT SYSTEMS

Part 8 Chapter 1 DEFINITIONS.

Rule 1.1 General Term.

- (a) "Access Instrument" means a card, code, electronic serial number, mobile identification number, personal identification number or similar device that shall be used in conjunction with an approved cashless wagering system or electronic credit system to transfer funds for gaming purposes.
- (b) "Alterable Media" is any form of storage device that allows the modification of the programs or data on the device during the normal operation of the gaming device. This does not include devices typically considered to be alterable but through either software or hardware means approved by the Executive Director, have been rendered unalterable.
- (c) "Cashable credits" means the monetary units displayed on a credit meter that are redeemable for cash.
- (d) "Cashless wagering system" means the collective hardware, software (including "digital wallet"), communications technology, and other associated equipment used to facilitate wagering with instruments of value other than chips, tokens or legal tender of the United States.
- (e) "Complete Voucher": A complete voucher contains all of the required information and is of a quality that can be redeemed through the use of a barcode reader.
- (f) "Conventional ROM Device" is a device incapable of being altered while installed in a gaming device and may contain executable programs or data that are directly addressed by a processor.
- (g) "Credit meter" means a slot machine indicator that displays the number of denominational credits or monetary value available to a patron for wagering.
- (h) "Digital Wallet": A software component of the cashless wagering system allowing a casino patron to facilitate wagering by storing funds, making transactions and tracking payment histories on computing devices (phones/tablets).
- (i) "Duplicate Voucher": A duplicate voucher is any reprinted complete or incomplete voucher.
- (j) "Electronic funds transfer" means a transfer of funds from an independent financial institution to a gaming device through a cashless wagering system.
- (k) "Executive Director" means the Executive Director of the Mississippi Gaming Commission and includes any duly authorized agent of the Executive Director.
- (l) "Incomplete Voucher": An incomplete voucher contains, at a minimum, the voucher validation number printed across the printed leading edge but is not of a quality that can be redeemed through the use of a barcode reader.
- (m) "Leakage Current" is any electrical current which flows when a conductive path is provided between exposed portions of a gaming device and the environmental electrical ground when the gaming device is isolated from the normal AC power ground.
- (n) "Non-cashable credits" means the monetary units displayed on a credit meter that have no cash redemption value.

- (o) “On-line slot system” means, as used in these standards, an on-line slot metering system, a cashless wagering system, or both.
- (p) “Promotional account” means an electronic ledger used in a cashless wagering system to record transactions involving a patron or patrons that are not otherwise recorded in a wagering account.
- (q) “Print Failure”: A print failure is a condition following the failed attempt to print a complete or incomplete voucher.
- (r) “Presentation Error”: A presentation error is a condition where a complete or incomplete voucher has been printed, however, the voucher is not presented to the patron for removal.
- (s) “Random Access Memory” (RAM) is the electronic component used for computer workspace and storage of volatile information in a gaming device. The term does not include memory which is used exclusively for bit-mapped video displays.
- (t) “Random Number Generator” is a hardware, software, or combination hardware and software device for generating number values that exhibit characteristics of randomness.
- (u) “Read Only Memory” (ROM) is the electronic component used for storage of non-volatile information in a gaming device. The term includes Programmable ROM and Erasable Programmable ROM.
- (v) “Replacement Voucher”: A replacement voucher is any voucher that is printed following a failed attempt to print a complete or incomplete voucher.
- (w) “Slot machine coupon” means a printed wagering instrument that has a fixed dollar wagering value that can only be used to acquire non-cashable credits.
- (x) “Slot machine payout receipt” means an instrument that is redeemable for cash and is either issued by a gaming device or as a result of a communication from a gaming device to associated equipment that cannot be accepted by gaming devices for wagering purposes.
- (y) “Slot machine wagering voucher” means a printed wagering instrument that has a fixed dollar wagering value that can only be used to acquire an equivalent value of cashable credits or cash.
- (z) “Tilt condition” is a programmed error state for a gaming device. A tilt condition has occurred when the device detects an internal error, malfunction, or attempted cheating, and it disallows further play until the error is resolved.
- (aa) “Wagering account” means an electronic ledger for a cashless wagering system patron deposit account wherein the following types of transactions are recorded:
 1. Deposits and withdrawals of cash or cash equivalents at a designated area of accountability;
 2. Wagering account transfers to and from gaming devices;
 3. Wagering account adjustments; and
 4. Other transactions approved by the Executive Director.
- (bb) “Wagering account transfer” means a transfer of funds between a cashless wagering system wagering account and a gaming device.
- (cc) “Wagering instrument” means, as used in these standards, a representative of value, other than a chip or token, that is issued by a licensee and approved by the Commission for use in a cashless wagering system and includes slot machine coupons and slot machine wagering vouchers.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-51*

Part 8 Chapter 2: INTEGRITY OF DEVICES

Rule 2.1 Electrical Interference Immunity.

- (a) A gaming device must exhibit total immunity to human body electrostatic discharges on all player-exposed areas. For purposes of this standard, a human body discharge is considered to be an electrical potential of not greater than 20,000 volts DC discharged through a network with a series resistance of 150 to 1500 ohms shunted by a capacitance of 100 to 150 picofarads. The device must withstand this discharge repeated at one second intervals. The power source for this human body equivalent is a high-impedance source such that, in effect, the energy available for a given discharge is limited to that contained in the shunt capacitor.
- (b) A gaming device may exhibit temporary disruption when subjected to electrostatic discharges of 20,000 to 27,000 volts DC through a network with a series resistance of 150 to 1500 ohms shunted by a capacitance of 100 to 150 picofarads but must exhibit a capacity to recover and complete an interrupted play without loss or corruption of any stored or displayed information and without component failure.
- (c) Gaming device power supply filtering must be sufficient to prevent disruption of the device by repeated switching on and off of the AC power. The device must not exhibit disruption when a 1 microfarad capacitor, charged to plus or minus 680 volts DC is discharged between the hot and neutral AC supply lines, at any phase from zero to 360 degrees, with a repetition rate of 30 times per second.
- (d) The random number generator and random selection process must be impervious to influences from outside the device, including, but not limited to, electro-magnetic interference, electro-static interference, and radio frequency interference. A gaming device must use appropriate communication protocols to protect the random number generator and random selection process from influence by associated equipment which is conducting data communications with the gaming device.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.2 Change Vouchers Or Coupons.

- (a) A wagering instrument inserted into a gaming device that is less in amount than that gaming device's smallest denomination shall:
 - 1. Cause that gaming device to immediately reject the wagering instrument if that gaming device does not have an odd cents meter; or
 - 2. Allow for the additional accumulation of wagering credits if the gaming device has an odd cents meter.
- (b) A wagering instrument inserted into a gaming device that is greater in amount than that gaming device's smallest denomination and not evenly divisible by any of the gaming device's denominations shall:

1. Cause that gaming device to immediately issue a change voucher or coupon if that gaming device does not have an odd cents meter and is equipped with a printer mechanism;
2. Allow for the additional accumulation of wagering credits; or
3. Cause that gaming device to immediately reject the wagering instrument if that gaming device is not equipped with a printer mechanism or if the printer mechanism is not functioning for any reason.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.3 Printers.

Printer mechanisms on gaming devices must be designed to detect low paper, paper out, presentation error, printer failure and paper jam conditions.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.4 Physical Security.

A gaming device must resist forced illegal entry and must retain evidence of any entry until properly cleared or until a new play is initiated. A gaming device must have a protective cover over the circuit boards that contain programs and circuitry used in the random selection process and control of the gaming device, including any electrically alterable program storage media. The cover must be designed to permit installation of a security locking mechanism by the manufacturer or end user of the gaming device.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.5 Communication with Associated Equipment.

- (a) Any gaming device which is capable of bidirectional communication with internal or external associated equipment must utilize a communication protocol which insures that erroneous data or signals will not adversely affect the operation of the device.
- (b) Any new or modified gaming device submitted for approval which is used with a progressive controller or any other associated equipment that is intended to signal a jackpot hit of any level must provide a complex signal consisting of at least eight logical transitions involving time and magnitude. The device may optionally provide an additional jackpot signal intended for use with older progressive equipment.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.6 Error Conditions.

- (a) Gaming devices must detect and display the following conditions during idle states or game play. These conditions may be automatically cleared by the gaming device upon completion of a new play sequence.

1. Power reset.
 2. Door open.
 3. Door just closed.
- (b) Gaming devices must be capable of detecting and displaying the following error conditions which must disable game play and which may only be cleared by an attendant:
1. Low RAM battery (a designated battery replacement schedule may be used in lieu of a low battery detection scheme).
 2. Print Failure, if the gaming device has no other means to make a payout. A Replacement voucher may be printed once the failure condition has been cleared.
 3. Printer mechanism paper jam. A paper jam condition must be monitored at all times during the print process.
 4. Printer mechanism paper out, if the gaming device has no other means to make a payout.
 5. Program error (Defective program storage media).
 6. Reel spin error of any type including a mis-index condition for mechanical reels. The specific reel number must be identified. If a tilt occurs while the reel(s) are spinning the gaming device must spin the reel(s) at a slow speed.
 7. Removal of control program storage media.
 8. Uncorrectable RAM error (RAM defective or corrupted).
- (c) Gaming devices must be capable of detecting and displaying the following error conditions which may either be cleared by an attendant. Game play may continue if an alternative method is available to complete the transaction or the condition does not prohibit the transaction from being completed:
1. Printer mechanism low paper.
 2. Print Failure.
 3. Printer mechanism paper out.
- (d) A description of device error codes and their meanings must be affixed inside the gaming device unless the displayed device error codes are self-explanatory.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.7 Control Program Requirements.

- (a) All must employ a mechanism approved by the Executive Director to verify control programs code and data. The mechanism used must detect at least 99.99 percent of all possible media failures. If these programs and data are to operate out of volatile RAM, the program that loads the RAM must reside on and operate from a Conventional ROM Device.
- (b) All gaming devices having control programs or data stored on memory devices other than Conventional ROM Devices must:
 1. Employ a mechanism approved by the Executive Director which verifies that all control program components, including data and graphic information, are authentic copies of the approved components. The Executive Director may require tests to verify that components used by licensees are approved components. The verification mechanism must have an error rate of less than 1 in 10 to the 38th power and must prevent the execution of any control program component if any

component is determined to be invalid. Any program component of the verification or initialization mechanism must be stored on a Conventional ROM Device that must be capable of being authenticated using a method approved by the Executive Director.

2. Employ a mechanism approved by the Executive Director which tests unused or unallocated areas of any alterable media for unintended programs or data and tests the structure of the storage media for integrity. The mechanism must prevent further play of the gaming device if unexpected data or structural inconsistencies are found;
 3. Provide a mechanism for keeping a record, in a form approved by the Executive Director, anytime a control program component is added, removed, or altered on any alterable media. The record must contain the date and time of the action, identification of the component affected, the reason for the modification and any pertinent validation information;
 4. Provide, at a minimum, a two-stage mechanism for validating all program components on demand via a communication port and protocol approved by the Executive Director. The first stage of this mechanism must verify all control components. The second stage must be capable of completely authenticating all program components, including graphics and data components in a maximum of 20 minutes. The mechanism for extracting the authentication information must be stored on a Conventional ROM Device that must be capable of being authenticated by a method approved by the Executive Director.
 5. If approved before August 1, 2004, receive a waiver from the Executive Director for any modification to the device if the full implementation of this section cannot be met. The Executive Director may waive portions of this section if the manufacturer can demonstrate to the Executive Director's satisfaction that the imposition of the full standard would hinder the design of the device or pose a hardship due to limitations in the approved Platform.
- (c) Any gaming device executing control programs from electrically erasable or volatile memory must employ a mechanism approved by the Executive Director that ensures the integrity of all control program components residing therein, including fixed data and graphic information and ensures that they are authentic copies of the approved components. Additionally, control program components, excluding graphics and sound components, must be fully verified at the time of loading into the electrically erasable or volatile memory and upon any significant event, including but not limited to door closings, game resets, and power up. The mechanism must prevent further play of the gaming device if an invalid component is detected.
- (d) Unless otherwise approved by the Executive Director, any gaming device that allows the adding, removing, or alteration of any control program components through a data communication facility must employ a mechanism for preventing any change from taking place that would interrupt a game in progress. Any device, technique or network which may be used to accomplish the adding, removing, or alteration of any control program components may, at the Executive Director's discretion, be considered a gaming device that must receive separate commission approval.
- (e) Gaming devices with control programs or other security programs residing in conventional Read Only Memory (ROM) devices such as EPROM's or fusible-link PROM's must have the unused portions of the memory device that contains the program

set to zero or some other value approved by the Executive Director.

- (f) Gaming device control programs must check for any corruption of random access memory locations used for crucial gaming device functions including, but not limited to, information pertaining to the play and final outcome of the most recent game, the nine games prior to the most recent game, random number generator outcome, credits available for play, and any error states. These memory areas must be checked for corruption following game initiation but prior to display of the game outcome to the player. Detection of any corruption that cannot be corrected shall be deemed to be a game malfunction and must result in a tilt condition.
- (g) All gaming devices must have the capacity to display a complete play history for the most recent game played and nine games prior to the most recent game. Retention of play history for additional prior games is encouraged. The display must indicate the game outcome (or a representative equivalent), intermediate play steps (such as a hold and draw sequence or a double-down sequence), credits available, bets placed, credits paid and credits cashed out. Gaming devices offering games with a variable number of intermediate play steps per game may satisfy this requirement by providing the capability to display the last 50 play steps. The Executive Director may waive this standard for a particular device or modification if the hardware platform on which the device is based was originally approved prior to the adoption of this standard as modified and the manufacturer can demonstrate to the Executive Director's satisfaction that the imposition of the full standard would hinder the design of the device or would otherwise pose a hardship due to capacity limitations in the approved platform.
- (h) All gaming devices must have the capacity to display a complete transaction history for the most recent transaction with a cashless wagering system, and the previous thirty-four transactions prior to the most recent transaction, that incremented any of the meters set forth in Part 8, Rule 3.4. Retention of transaction history for additional prior transactions is encouraged.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-33*

Rule 2.8 Bonus Or Extended Game Features.

All gaming devices which offer a bonus game or extended feature which requires player selection or interaction are prohibited from automatically initiating these features unless the gaming device meets the requirements of (a) or (b) and explains the mechanism for auto-initiation on the device glass or video display.

- (a) The patron is presented with a choice and specifically acknowledges their intent to have the gaming device auto-initiate the bonus or extended play feature by means of a button press or other physical/machine interaction.
- (b) The bonus or extended feature provides only one choice to the patron i.e.: Press button to spin wheel. In this case, the device may auto initiate the bonus or extended feature after a time out period of at least 2 minutes.

(Adopted: 09/15/2004; Amended 06/15/2006.)

Source: *Miss. Code Ann. § 75-76-33*

Rule 2.9 Reel Strips.

- (a) Given a physical reel strip of length L units containing N physical stops, each blank space must occupy a minimum of $(L/N)*0.4$ units. These blank symbols must be completely free of any portion of any adjacent symbol.
 - (b) All non-blank and blank symbols must be centered in their respective space allocation.
- (Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-33*

Rule 2.10 Safety.

- (a) A gaming device must not present a mechanical, electrical or fire hazard when used in its intended mode of operation.
 - (b) The power supply used in a gaming device must be designed to minimize leakage current in the event of intentional or inadvertent disconnection of the AC power ground. Leakage currents of greater than 1.0 milliamperes may be considered hazardous. The power supply must be appropriately fused or protected by circuit breakers.
- (Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-33*

Part 8 Chapter 3: PROPER ACCOUNTING FOR GAMING DEVICES

Rule 3.1 Changes To Payout Percentage.

- (a) The theoretical payback percentage of a gaming device must not be capable of being changed without making a hardware or software change in the device. For purposes of this standard, the addition of an attendant paid bonus, a progressive jackpot, or a change in rate of progression of an existing progressive jackpot is not considered to be a change in the theoretical payback of the gaming device.
 - (b) Notwithstanding subsection (1), draw poker type gaming devices may have switch selectable or menu selectable top award values so long as the selectable range does not alter the payback percentage of the device by more than 1 percent with typical field play.
 - (c) Gaming devices which are considered to be slot machines and which have a difference in theoretical payback percentage which exceeds 4 percent for a single-coin play versus maximum-bet play, must have electronically stored digital meters of at least 6 digits which record the number of plays made in each category of wager for which the theoretical payback percentage is different from the single-coin bet category.
- (Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-51*

Rule 3.2 Meters.

- (a) All gaming devices must be equipped with electronic digital storage meters of at least 10 digits capable of displaying the information listed in this section on demand. These meters, listed below, must accumulate the following information in units equal to the denomination of the device or in dollars and cents. Devices configured for multi-denomination play must display the required information in dollars and cents.

1. Coin In. The machine must have a meter specifically labeled “Coin In” that accumulates the total value of all wagers, whether the wagered amount results from the insertion of currency or deduction from a credit meter or any other means.
 - i. This meter shall:
 - (a) Not include subsequent wagers of intermediate winnings accumulated during game play sequence such as those acquired from “double up” games;
 - (b) For multi-game and multi-denomination/multi-game gaming devices, provide the information necessary, on a per payable basis, to calculate a weighted average theoretical payback percentage; and
 - (c) For gaming devices which are considered slot machines and which contain paytables with a difference in theoretical payback percentage which exceeds 4 percent between wager categories, maintain and display coin in meters and the associated theoretical payback percentage, for each wager category with a different theoretical payback percentage, and calculate a weighted average theoretical payback percentage for that payable.
2. Coin Out. The machine must have a meter specifically labeled “Coin Out” that accumulates the total value of all amounts directly paid by the machine as a result of winning wagers. This meter will not record amounts awarded as the result of an external bonusing system or a progressive payout;
3. Attendant Paid Jackpots. The machine must have a meter specifically labeled “Attendant Paid Jackpots” that accumulates the total value of credits paid by an attendant resulting from a single winning alignment or combination, the amount of which is not capable of being paid by the machine itself. This does not include progressive amounts or amounts awarded as a result of an external bonusing system. This meter is only to include awards resulting from a specifically identified amount listed in the manufacturer’s par sheet;
4. Attendant Paid Cancelled Credits. The machine must have a meter specifically labeled “Attendant Paid Cancelled Credits” that accumulates the total value paid by an attendant resulting from a player initiated cash-out that exceeds the physical or configured capability of the machine to make the proper payout amount;
5. Bill In. The machine must have a meter specifically labeled “Bill In” that accumulates the total value of currency accepted. Additionally, the machine must have a specific meter for each denomination of currency accepted that records the number of bills accepted of each denomination;
6. Voucher In. The machine must have a meter specifically labeled “Voucher In” that accumulates the total value of all slot machine wagering vouchers accepted by the machine;
7. Voucher Out. The machine must have a meter specifically labeled “Voucher Out” that accumulates the total value of all slot machine wagering vouchers and payout receipts issued by the machine;
8. Electronic Funds Transfer In (EFT In). The machine must have a meter specifically labeled “EFT In” that accumulates the total value of cashable credits electronically transferred from a financial institution to the machine through a cashless wagering system;

9. Wagering Account Transfer In (WAT In). The machine must have a meter specifically labeled “WAT In” that accumulates the total value of cashable credits electronically transferred to the machine from a wagering account by means of an external connection between the machine and a cashless wagering system;
10. Wagering Account Transfer Out (WAT Out). The machine must have a meter specifically labeled “WAT Out” that accumulates the total value of cashable credits electronically transferred from the machine to a wagering account by means of an external connection between the machine and a cashless wagering system;
11. Non-Cashable Electronic Promotion In. The machine must have a meter specifically labeled “Non-Cashable Electronic Promotion In” that accumulates the total value of non-cashable credits electronically transferred to the machine from a promotional account by means of an external connection between the machine and a cashless wagering system;
12. Cashable Electronic Promotion In. The machine must have a meter specifically labeled “Cashable Electronic Promotion In” that accumulates the total value of cashable credits electronically transferred to the machine from a promotional account by means of an external connection between the machine and a cashless wagering system;
13. Non-Cashable Electronic Promotion Out. The machine must have a meter specifically labeled “Non-Cashable Electronic Promotion Out” that accumulates the total value of non- cashable credits electronically transferred from the machine to a promotional account by means of an external connection between the machine and a cashless wagering system;
14. Cashable Electronic Promotion Out. The machine must have a meter specifically labeled “Cashable Electronic Promotion Out” that accumulates the total value of cashable credits electronically transferred from the machine to a promotional account by means of an external connection between the machine and a cashless wagering system;
15. Coupon Promotion In. The machine must have a meter specifically labeled “Coupon Promotion In” that accumulates the total value of all slot machine coupons accepted by the machine;
16. Coupon Promotion Out. The machine must have a meter specifically labeled “Coupon Promotion Out” that accumulates the total value of all slot machine coupons issued by the machine;
17. Machine Paid External Bonus Payout. The machine must have a meter specifically labeled “Machine Paid External Bonus Payout” that accumulates the total value of additional amounts awarded as a result of an external bonusing system and paid by the slot machine;
18. Attendant Paid External Bonus Payout. The machine must have a meter specifically labeled “Attendant Paid External Bonus Payout” that accumulates the total value of amounts awarded as a result of an external bonusing system paid by an attendant;
19. Attendant Paid Progressive Payout. The machine must have a meter specifically labeled “Attendant Paid Progressive Payout” that accumulates the total value of credits paid by an attendant as a result of progressive awards that are not capable of being paid by the machine itself;

20. Machine Paid Progressive Payout. The machine must have a meter specifically labeled “Machine Paid Progressive Payout” that accumulates the total value of credits paid as a result of progressive awards paid directly by the machine. This meter does not include awards paid as a result of an external bonusing system; and
 21. Such other meters as may be required by the Executive Director.
- (b) Gaming devices that are unable to comply with the full requirements of Part 8, Rule 3.4 shall:
1. For gaming devices that are unable to display the specific meter labels required, use a legend to indicate what information a specific meter accumulates.
 2. For gaming devices that are unable to incorporate meters (9) through (23) due to undue hardship on the gaming device manufacturer, not be required to incorporate such meters if this requirement is waived by the Executive Director.
 3. All gaming devices must be equipped with a device, mechanism or method which retains the value of all the required meters in Part 8, Rule 3.4 (that have not been waived as described above) in the event of power loss to the device.
 4. Gaming devices must have electronically stored meters of at least 8 digits that record the number of games played:
 - i. Since power reset;
 - ii. Since door close; and
 - iii. Since game initialization (RAM clear).
 5. The gaming device must provide the means for on-demand display of the stored information.
 6. Unless a tilt condition or other malfunction exists, gaming devices must have meters in units equal to the denomination of the device, in dollars and cents or in other units approved by the Executive Director, continuously displaying to a player the following information as it pertains to the current play or monetary transaction:
 - i. Credits wagered;
 - ii. Credits won, if applicable;
 - iii. The credits available for wagering, if applicable.
 7. Electronically stored meter information required by this section must be preserved for a minimum of 72 hours after a power loss to the gaming device.

(Adopted: 09/15/2004.)

Source; Miss. Code Ann. § 75-76-51

Rule 3.5 Credit Play Requirements – Collectible credits.

- (a) Collectible credits may be accumulated from wins or from approved currency acceptors. The aggregate total of collectible credits accumulated from currency must be less than \$100,000.00.
- (b) The maximum number of credits from currency that may be applied to any wager on a gaming device must be less than \$100,000.00, except that repeated double-down (double or nothing) bets are allowed up to the ultimate lockup level of the device.

(Adopted: 09/15/2004.)

Source: Miss. Code Ann. §§ 75-76-99, 75-76-101

Rule 3.6 Credit Play Requirements – Cashable credits.

- (a) Cashable credits may be accumulated from wins, approved currency acceptors, electronic funds transfers, wagering account transfers, or any other transfers of cashable credits. The aggregate total of cashable credits accumulated from coin and currency must be less than or equal to \$100,000.00.
- (b) The maximum number of credits from currency that may be applied to any wager on a gaming device must be less than or equal to \$100,000.00, except that repeated double-down (double or nothing) bets are allowed up to the ultimate lock-up level of the device.
- (c) Wagering credits available for play must be wagered in the following order:
 - 1. Non-cashable credits;
 - 2. Cashable credits given away by a licensee; and
 - 3. All other credits.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-101*

Rule 3.7 Award Cards.

Award cards must be clearly identified and must be displayed at all times the device is available for play or be readily available for display on the device on demand by the player. Award cards must accurately state the award that will be paid when the player obtains a specific win. The award card must clearly indicate whether awards are designated in denominational units, dollars and cents, or some other unit. All award cards present on a gaming device must reflect any change in award value which may occur in the course of play.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-101*

Rule 3.8 Jackpot Odds.

The probability of hitting any advertised jackpot that is offered by a gaming device may not exceed 100 million to one.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-33*

Part 8 Chapter 4: INTEGRITY OF AND PROPER ACCOUNTING FOR ON-LINE SLOT SYSTEMS

Rule 4.1 Communication Security.

The on-line slot system shall include secured communication as follows:

- (a) All communications that initiate a gaming device pay command shall employ some form of encryption that has been approved by the Executive Director.
- (b) All data communication shall incorporate an error detection and correction scheme approved by the Executive Director to ensure the data is transmitted and received accurately.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-3, 75-76-99*

Rule 4.2 Error Conditions.

The on-line slot system shall be capable of detecting and displaying certain conditions. These conditions shall be recorded on an error log that may be displayed or printed on demand and shall archive the conditions for a minimum of thirty (30) days. The conditions include but are not limited to:

- (a) Power reset or failure of a gaming device or any component of the on-line slot system.
- (b) Communication loss between a gaming device and any component of the on-line slot system.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.3 Program Access Control.

The on-line slot system shall be capable of restricting or limiting access to any and all program components by a method approved by the Executive Director. There shall be no access to the on-line system unless it can be identified, tracked and reported by the system. All default or hard-coded passwords to an on-line system shall be deleted prior to activation of the system. There shall be no remote access to the system unless it can be identified, tracked and reported by the system. At a minimum the system must identify the login name and password, the number into which dialed, the date, time and duration of the activity, and a detailed description of the activity performed. The modem shall be disabled or unplugged except when in use for remote access.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.4 Data Access Control.

The on-line slot system shall not permit the alteration of any accounting or event log information that was properly communicated from the gaming device unless documented, secure access controls are provided.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.5 On-line System Clock.

- (a) The on-line slot system shall maintain an internal clock that accurately reflects the current time (in hours, minutes and seconds) and date that shall be used to provide for the following:
 - 1. Time stamping of significant events;
 - 2. Reference clock for reporting;
 - 3. Time stamping of configuration changes.
 - 4. If multiple clocks are used, then a means shall be provided that will update all clocks in devices attached to the system, including the gaming devices, at least once in each 24-hour period.

- (b) The on-line slot system shall maintain a history of all updates/modifications to the system. This data must be hard-coded in the update/modification and shall not be entered manually.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.6 On-line Slot System Integrity.

- (a) The on-line slot system shall be designed so that no single failure of any system component will cause the cessation of system operation. Alternatively, each gaming establishment must provide for back-up components or systems using a plan approved by the Executive Director.
- (b) The database shall be stored on redundant media so that no single failure of any portion of the system would cause the loss or corruption of data.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-3*

Rule 4.7 Interface With Gaming Device.

- (a) Each gaming device interfaced with an on-line slot system using an interface component shall have the interface component either installed inside a secure area of the gaming device or shall employ a secure communication method between the gaming device and the interface component.
- (b) The interface component shall send information to the on-line slot system via a communication protocol approved by the Executive Director.
- (c) A system shall be designed such that communications that access gaming device components, including but not limited to currency accepters and printers, may only access those components through a processor that has been approved using the standards and criteria for a gaming device.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.8 Clearing Meters.

An interface component shall have a mechanism whereby an error will not cause the loss of stored accounting meter information.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.9 Meter Backup Requirements.

Data recorded by electronic meters shall be preserved after a power loss to an interface component and shall be maintained for a period of at least seventy-two (72) hours.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.10 Address Requirements.

Interface components shall allow for the configuration of a unique identification number to be used in conjunction with the gaming device file in the on-line slot system. This identification number will be used by the on-line slot system to track all mandatory information of the associated gaming device.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.11 Required Meters.

- (a) The on-line slot metering system shall be equipped to read specific values of or store the information accumulated by the electronic digital storage meters in the gaming device. The following meter information is stored in units equal to the denomination of the device or in dollars and cents:
1. Coin in.
 2. Coin out.
 3. Attendant paid jackpots.
 4. Attendant paid cancelled credits.
 5. Bill in.
 6. Voucher out (for the metering of payout receipts).
 7. Machine paid external bonus payout.
 8. Attendant paid external bonus payout.
 9. Attendant paid progressive payout.
 10. Machine paid progressive payout.
- (b) Note 1: System meters shall be referred to with the above terms and shall accumulate the information as required by Part 8, Rule 3.4.
- (c) Note 2: The system shall maintain payable coin-in and theoretical payback percentage information provided by the gaming device for each multigame or multi-denomination/multi- game slot machine.
- (d) Note 3: The system shall maintain payable coin-in and weighted average theoretical payback percentage information provided by each gaming device which is considered a slot machine and which contains paytables with a difference in theoretical payback percentage which exceeds 4 percent between wager categories.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.12 Recording of Meter Information.

An on-line slot metering system must have a mechanism in place to record all required meters, as specified by Part 8, Rule 3.4, on demand and at the time the drop box is removed.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-99*

Rule 4.13 Payout receipts.

Systems that issue a printed payout receipt shall:

- (a) Include on all payout receipts:
 - 1. Licensee name, city and state;
 - 2. Gaming device number;
 - 3. Date and time of issuance;
 - 4. Alpha and numeric dollar amount;
 - 5. Sequence number;
 - 6. Expiration period or date when receipt will expire, if applicable.
 - (b) Only allow the printing of a payout receipt upon a communication initiated by a gaming device.
 - (c) Provide for on-line, real-time validation of payout receipts.
 - (d) Be incapable of authorizing payment on a payout receipt that has been previously paid, voided, or that is unissued.
 - (e) For payout receipts printed at a gaming device, not allow an expiration period of less than thirty days.
- (Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-51*

Rule 4.14 Documentation required of on-line slot metering systems.

Documentation generated by an on-line slot metering system indicating information by slot machine, by denomination and in total, shall be available through the system on a day, month, year-to-date basis and for at least a previous two-year cumulative basis. Documentation for periods in excess of the two-year period that must be maintained under record retention regulations may be maintained off-line in a manner approved by the Executive Director. The system shall be designed so that documentation may be created daily or on demand and includes, at a minimum:

- (a) For each document:
 - 1. Document title;
 - 2. Version number of the current system software;
 - 3. Date or time period of activity; and
 - 4. Date and time the document was generated.
 - i. Note: Documents that compare metered amounts to actual amounts shall include a dollar variance and a percentage variance. The percentage variance is the dollar variance divided by the metered amount.
- (b) Slot machine performance including:
 - 1. By machine:
 - i. Denomination or an indication that the machine is a multidenominational machine;
 - ii. Slot machine number and game type;
 - iii. Coin in;
 - iv. Metered or actual drop (system configurable);
 - v. Actual jackpot payout slips issued;
 - vi. Actual fill slips issued;
 - vii. Win;
 - viii. Theoretical hold percentage;
 - ix. Actual hold percentage;

- x. Percentage variance (theoretical hold vs. actual hold); and
 - xi. Projected dollar variance (i.e., coin in times the percentage variance).
2. By denomination and in total:
- i. Weighted average theoretical hold (i.e., floor par);
 - ii. Combined actual hold percentage (all win divided by all coin in);
 - iii. Percentage variance (floor par vs. combined actual hold percentage); and
 - iv. Projected dollar variance (i.e., total coin in times the percentage variance).
 - 1. Note 1: Floor pars are the sum of the theoretical hold percentages of all machines within a denomination weighted by coin in contribution.
 - 2. Note 2: Drop, jackpot payouts, and win figures may need adjustment to determine the true slot machine performance.
 - 3. Note 3: The system shall compute accurate theoretical hold percentages, based on coin-in contribution, for each multigame or multi-denomination/multi-game slot machine.
 - 4. Note 4: The system shall compute accurate theoretical hold percentages for each gaming device which is considered a slot machine and which contains paytables with a difference in theoretical payback percentage which exceeds 4 percent between wager categories.
- (c) Meter drop vs. actual drop for each drop by machine and in total.
- (d) Meter attendant paid jackpots, cancelled credits, progressive payouts and external bonus payouts (in total) vs. actual attendant paid jackpots, cancelled credits, progressive payouts and external bonus payouts (in total).
- 1. Note: The system must produce a report (by machine and in total) that compares each type of attendant pay for those machines that have variances.
- (e) Meter machine paid and attendant paid external bonus payouts vs. external bonusing system machine paid and attendant paid external bonus payouts.
- (f) Meter voucher out vs. system payout receipts issued.
- (g) System payout receipts redeemed, by cashiering station, by shift.
- (h) System payout receipts issued, to include date issued, amount, sequence number and identification of gaming device where issued.
- (i) System payout receipt liabilities, by date issued and receipt sequence number.
- (j) Meter win vs. actual taxable win.
- 1. Note: “Meter win” equals “meter coin in” minus “meter coin out” minus “meter machine paid progressive payout” minus “meter machine paid external bonus payout” minus “total of meters accumulating attendant payouts” (excluding attendant paid cancelled credits).
- (k) Exception report. In the event data or parameters are changed, an exception report shall be produced to document:
- 1. Data or parameter altered;
 - 2. Data or parameter value prior to alteration;
 - 3. Data or parameter value after alteration;
 - 4. Date and time of alteration; and
 - 5. Identification of user that performed alteration.
 - 6. By machine, a report of all required meter amounts read and recorded by the on-line slot system.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-99, 75-76-51*

Rule 4.15 Waiver Provisions.

Upon a showing of good cause, the Executive Director may waive any of the requirements of Part 8, Chapter 4.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-51*

Part 8 Chapter 5: INTEGRITY, SECURITY, AND CONTROL OF CASHLESS WAGERING SYSTEMS

Rule 5.1 Minimum Internal Control Standards For Cashless Wagering Systems.

- (a) A licensee may utilize a cashless wagering system that has been tested and approved by the Commission pursuant to Part 4, Rules 2.3 and 2.10 of these regulations.
- (b) Prior to utilizing a cashless wagering system, a licensee shall establish internal controls for the operation of the cashless wagering system. The internal controls shall be submitted to and approved by the Commission pursuant to Part 4, Rules 2.3 and 2.10 of these regulations. The internal control procedures must address the integrity, security, and control of the cashless wagering system and include:
 - 1. A comprehensive overview of the system design;
 - 2. Access and security controls to ensure patron access is limited to the registered account holder;
 - 3. Methods and procedures for:
 - i. Funding a digital wallet, including funding sources;
 - ii. Withdrawing funds from a digital wallet;
 - iii. Transferring digital funds to a slot machine;
 - iv. Withdrawing digital funds from a slot machine;
 - v. Transferring digital funds to a table game; and
 - vi. Redemption of table game chips to a digital wallet;
 - 4. Any limits the licensee will place on cashless wagering accounts and transactions;
 - 5. Logical and physical access controls and restrictions, including:
 - i. Which personnel will have discretionary authority over the cashless wagering system, including non-gaming personnel; and
 - ii. How personnel interaction with the system will be monitored and logged;
 - 6. Network security, including encryption methodology;
 - 7. Backup, recovery, and redemption procedures in the event the cashless wagering system becomes inoperable;
 - 8. Procedures for handling customer disputes;
 - 9. Detailed revenue audit procedures; and 10. Provisions for responsible gaming.
- (c) Any amendment to a licensee's internal controls must be submitted to and approved by the Commission prior to the implementation of any changes.

Source: *Miss. Code Ann. § 75-76-33*

Rule 5.2 Wagering Accounts, Digital Wallet Transactions And Device Pairing.

- (a) If a patron establishes a wagering account online, the process shall require the patron to

provide at a minimum:

1. Legal name;
 2. Date of birth;
 3. Email address;
 4. Physical address;
 5. Social security number or tax ID number; and
 6. Phone number.
- (b) A cashless wagering account must be initiated by a patron using an access control. Access controls must require the use of a unique access code for each account. The access code shall be selected by and only available to the account holder.

Source: *Miss. Code Ann. § 75-76-33*

Rule 5.3 Additional Requirements For Cashless Wagering Systems.

In addition to those requirements set forth for on-line slot metering systems, all cashless wagering systems submitted for approval shall:

- (a) Execute transactions in accordance with all applicable state and federal electronic funds transfer requirements or wagering account transfer requirements including receipting and fee disclosure requirements.
- (b) Employ some form of data encryption that has been approved by the Executive Director for all data that is transmitted to or from a gaming device. This standard does not apply to data that is transmitted between a gaming device and a gaming device interface component.
- (c) Provide a secure method for patron access to wagering accounts and promotional accounts.
- (d) For all patron initiated transactions, assign to each transaction a unique identifier of at least eight digits that includes the gaming device designation.
- (e) Be equipped to read and store the specific values indicated on the electronic digital storage meters in the gaming device, as applicable to the system. The following gaming device meter information is stored in units equal to the denomination of the device or in dollars and cents:
 1. Voucher in.
 2. Voucher out (for the metering of slot machine wagering vouchers and payout receipts).
 3. Electronic funds transfer in (EFT In).
 4. Wagering account transfer in (WAT In).
 5. Wagering account transfer out (WAT Out).
 6. Cashable electronic promotion in.
 7. Cashable electronic promotion out.
 8. Non-cashable electronic promotion in.
 9. Non-cashable electronic promotion out.
 10. Coupon promotion in.
 11. Coupon promotion out.
 - i. Note: System meters shall be referred to with the above terms and shall accumulate applicable system generated information as well as information stored on gaming device meters as required by Part 8, Rule 3.4.
- (f) Have a mechanism in place to record all required meters, as specified by Part 8, Rule 3.4,

at the time a drop box is removed and at any time specified by the end user.

(g) Prevent an expiration period of less than thirty days for slot machine wagering vouchers.

(h) Include on all slot machine wagering vouchers and coupons:

1. Licensee name, city and state;
2. Gaming device number or printer station number, as applicable;
3. Date and time of issuance;
4. Alpha and numeric dollar amount;
5. Sequence number;
6. Validation number;
7. Second printing of validation number on the leading edge of the voucher or coupon;
8. Unique identifier (e.g., bar code);
9. Transaction type or other acceptable method of differentiating ticket types; and
10. Expiration period or date when voucher or coupon will expire, if applicable.
 - (i) Cause a relevant, informative message to be displayed whenever any player-initiated wagering account transfer or electronic funds transfer is being processed.
 - (j) In the event communications between the system and a gaming device are lost, allow no more than one wagering instrument to be printed.
 - (k) Require all electronic funds transfers to be recorded by the system.
 - (l) Provide for on-line, real-time validation of wagering instruments
 - (m) Be incapable of authorizing payment on a wagering instrument that has been previously paid, voided, or that is unissued, and the system shall display the status of the instrument.
 - (n) Prevent the removal or erasure of events and transactions from any communication device until that information has been successfully transferred and acknowledged by the communication device next in succession.
 - (o) Be designed to prevent unauthorized changes to cashless wagering system programs and databases.
 - (p) Require the end user to initiate any remote access and shall only allow remote access by the system's licensed manufacturer from that manufacturer's place of business.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. §§ 75-76-51, 75-76-99*

Rule 5.4 Documentation Required Of Cashless Wagering Systems.

Documentation generated by a cashless wagering system shall be available through the system on a day, month, and year-to-date basis and for at least a previous two-year cumulative basis. Documentation for periods in excess of the two-year period that must be maintained under record retention regulations may be maintained off-line in a manner approved by the Executive Director. The system shall be designed so that documentation may be created daily or on demand and includes, at a minimum:

- (a) For each document:
 1. Document title;
 2. Version number of the current system software;
 3. Date or time period of activity; and
 4. Date and time the document was generated.
- (b) Wagering instrument issuances by date and identification of gaming device where issued,

- by gaming device.
- (c) Wagering instrument redemptions by date and means of redemption (e.g., gaming device, cashier station, kiosk, etc.).
 - (d) Wagering instrument liabilities by date issued and by instrument sequence number.
 - (e) Wagering instruments expired by date issued, sequence number and identification of gaming device where issued.
 - (f) Wagering instruments voided by date issued, instrument sequence number and identification of gaming device where issued.
 - (g) Wagering account activity and balances, by patron and gaming device and shall include the date and time of each transfer to or from each gaming device.
 - (h) Vouchers and coupons counted in the count room, by gaming device and by type of instrument.
 - (i) Gaming device meter EFT in vs. system EFT in.
 - (j) Gaming device meter WAT in vs. system WAT in.
 - (k) Gaming device meter WAT out vs. system WAT out.
 - (l) System promotional account activity and balances, by patron or by promotion, as applicable.
 - (m) System wagering account activity (deposits, transfers to and from gaming devices, withdrawals, adjustments) and balances, by wagering account.
 - (n) Gaming device meter cashable electronic promotion in vs. system cashable electronic promotion in.
 - (o) Gaming device meter cashable electronic promotion out vs. system cashable electronic promotion out.
 - (p) Gaming device meter non-cashable electronic promotion in vs. system non-cashable electronic promotion in.
 - (q) Gaming device meter non-cashable electronic promotion out vs. system non-cashable electronic promotion out.
 - (r) Gaming device meter voucher in vs. system voucher in forms accepted.
 - (s) System voucher in vs. vouchers counted in the count room, by gaming device.
 - (t) Gaming device meter voucher out vs. system voucher out forms issued.
 - (u) Gaming device meter coupon promotion in vs. system coupon promotion in forms accepted.
 - (v) System coupon promotion in vs. coupons counted in the count room, by gaming device.
 - (w) Gaming device meter coupon promotion out vs. system coupon promotion out forms issued.
 - (w) Slot machine performance report that properly includes the wagering activity recorded on the gaming device meters if the cashless wagering system is integrated with an on-line slot metering system.
 - (x) For each individual adjustment made to a cashless wagering account or a promotional account, a summary of the adjustment to include:
 1. Patron name and account number, or specific promotion, as applicable;
 2. Amount of, and explanation for, the adjustment; and
 3. Identification of the user completing and/or authorizing the adjustment.
 - (y) All cashiering activities (e.g., log on, redemptions, deposits/withdrawals and adjustments to wagering accounts, log off, etc.), by cashier.
 - (z) All exceptions to include:
 1. Date and time of exception;

2. Gaming device number or user identification number and terminal location where the exception occurred; and
3. A description of the exception or a unique code that identifies the exception.

(Adopted: 09/15/2004.)

Source: *Miss. Code Ann. § 75-76-51*

Rule 5.5 Security Testing.

The operator shall provide a layered approach to security within the cashless environment to ensure security storage and processing of data. In addition, the operator shall ensure:

- (a) All entry and exit points to open public network systems shall be identified, managed, monitored and controlled.
- (b) The operator shall monitor all its cashless systems in order to prevent, detect, mitigate and respond to cyberattacks.
- (c) Appropriate measures shall be in place to detect, prevent, mitigate and respond to common active and passive technical attacks.
- (d) Technical security tests on the cashless environment, including vulnerability assessments and penetration testing, shall be performed annually to guarantee that no vulnerabilities putting at risk the security and operation of the cashless system exist.

Source: *Miss. Code Ann. § 75-76-45*

Rule 5.6 Notice.

- (a) Licensees must notify the Commission of any unauthorized access of the cashless wagering system, including a patron's wagering account pursuant to the provisions of Part 3, Rules 1.12 and 9.1(g) of these regulations.

Source: *Miss. Code Ann. § 75-76-45*

Rule 5.7 Waiver Provisions.

Upon a showing of good cause, the Executive Director may waive any of the requirements of Part 8, Chapter 5.

Source: *Miss. Code Ann. § 75-76-51*