# **GLI-15 Revision History**

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#### **Revision History Outline**

Date Released: September 6, 2011 (V1.3 Final Version)

Date Released: April 12, 2002 (V1.2 Final Version)

Date Released: March 5, 2002 (V1.1 Draft for Comment)

Date Released: September 25, 2001 (V1.0 Draft for Comment)

Date Created: September 25, 2001

### **Revision 1.3**

#### Notable Changes

- Incorporation of changes based on GLI Standards Series reflected in GLI-11 v2.1 Gaming Devices in Casinos, as applicable to GLI-15 v1.3 Electronic Bingo and Keno Systems
- Title Page updated version and release date
- General grammatical changes.
- Revision History removed. Created a new GLI-15 v1.3 Electronic Bingo and Keno Systems Revision History Document.
- Table of Contents updated as warranted.
- Submission Requirements removed and incorporated into a new Submissions Requirements document.
- 1.3.1 Included request for revision history note.
- 1.4 Enhanced section title.
- 1.4.1 Enhanced section title
- 1.4.1 (b) changed verbiage to Player's perspective from game play point of view.
- 1.4.1 (g) removed the word technology.
- 1.5.1 Enhanced section title.
- Chapter 2.0 Updated to Bingo Systems Requirements due to the removal of the Submission Requirements Chapter. Updated enter chapter numbering scheme accordingly.
- 2.7.2 Changed percentage requirement to 99%, from 95%, to align with GLI-11 v2.1 Gaming Devices in Casinos. Added a note indicating the test laboratory will select the appropriate tests.
- 2.7.4 Clarified the last sentence to include the word alternately.
- 2.7.6 Updated consequences to read as requirement. Throughout this section updated the
  reference to the ball drawing container as the industry standard of 'pool' replacing the term
  'barrel'.

- 2.8.1 Clarified the mechanical-based RNG games. Note updated to reflect the appropriate section.
- 2.8.1 (a) Removed test via PC communications.
- Chapter 3.0 Updated to Electronic Keno Systems Rquirements due to the removal of the Submission Requirements Chapter. Updated enter chapter numbering scheme accordingly.
- Chapter 4.0 Updated to Electronic Keno and Bingo Games using Player Terminals due to the removal of the Submission Requirements Chapter. Updated enter chapter numbering scheme accordingly.
- 4.2.2 Updated the Live Correlation section to align with GLI-11 v2.1 Gaming Devices in Casinos, which includes and example.

#### **Revision 1.2**

- General grammatical changes.
- 2.11.3(b)(ii)A & B removed both since the number of balls/numbers can vary depending on the game.
- 3.1.1 Manufacturer Definition was better clarified.
- 3.3.6 changed the reporting requirements to include the employee name/id instead of password.
- 3.4.3 added the printed record requirement to is needed as required by local ordinance.
- 3.5.4(d) changed the rule to require all information for special games that would be needed to validate the bingo and added examples. This was changed since there are so many different 'special games' and to clarify the intent of the rule.
- 3.6.10 removed the requirement for no player owned EBM's since this not a technical standard.
- 4.4.6(d)(iv) removed the requirement for the system to demonstrate the payout percentage and odds for each game since the location determines the payouts, not the system.

### **Revision 1.1**

- General grammatical changes.
- 2.4.1(a) Changed the requirement to submit two sets of all EPROMs, CD-ROMs, etc for submissions where arrangements are made in advance of the submission.
- 2.7.2 (b) Clarified that schematics, diagrams, data sheets are only required for manufacturer designed and built components.
- 2.8.1 Clarified that the system security testing of the defined user roles and their passwords is to ensure that no unauthorized access would be allowed for specific areas.
- 3.1.1 "Electronic Bingo Card Monitoring Device" Definition. Clarified that Automatically marking numbers on the EBM is only permissible when allowed by local ordinance.
- 3.1.1 "Fixed Base Station" Definition. Added the definition for Fixed Base Station.
- 3.1.1 "Free space" Center Number", etc... changed the definition title to remove Perm Number since defined separately. Also, changed the definition to indicate the number that is 'displayed,' in the center space.....
- 3.1.1 "Packet" Definition. Changed to clarify a packet is defined as sets of bingo cards instead of 'sheets of bingo paper'.
- 3.1.1 "Perm Number" Definition. Added the definition for Perm Number.
- 3.1.1 "Player Terminal" Definition. Added the definition for Player Terminal.
- 3.1.1 "Serial number" Definition. Clarified that the Serial Number may be displayed or printed. Also, changed wording to read better.
- 3.1.1 "Session" Definition. Clarified the session ends after someone wins instead of the selection of the last ball.
- 3.2.1 Price Display. Removed this rule since the local ordinance will address this requirement and this is not a technical standard.
- 3.2.4 Renamed this section to Packet Sales from Packet Numbering. Removed the requirement for the electronic packets to contain sequential serial numbers and be issued in order as long as there is an easy means to determine the number of packets sold.

- 3.3.1 Clarified that the Bingo System shall need to determine all sales initiated through the Bingo System and not the overall bingo sales.
- 3.3.2 Changed the rule to require the 'system' to have the capability of recording and printing reports, instead of the sales station. Also added 'packages' to the information that can be included.
- 3.3.4 Clarified that the system shall allow for meter adjustments and sales data corrections, if able. Also, clarified that the log of the accounting changes should include the password authorized to make the change(s) instead of the name of the person.
- 3.4.1 Changed the rule to not allow the callers desk to sell or modify the sales information and removed 'auditing' from this rule since some callers desks may audit the information as a part of the procedures.
- 3.5.1 Clarified that access to the database shall be controlled by password authorization or another secure method.
- 3.5.4 Clarified that the system or other equipment shall be capable of producing general accounting reports because some companies or bingo halls use off the shelf accounting packages.
- 3.5.4(b) Clarified that the packets sold shall be included in the required information for accounting reports.
- 3.5.4(f) Added 'Other reports' as required by specific local ordinance since some jurisdictions may have additional reporting requirements.
- 3.5.5 Clarified that changes to the game parameters (was session) shall not be allowed once the game (was session) has begun.
- 3.6.2 Changed the title of this section to Bingo Card Limitation from Monitoring Limitation. Also, removed the requirement for the EBM to not be capable to monitor more than 75 cards per game. The rule now requires the EBM to have the ability to limit the number of cards, if required by local ordinances. This change was made because the limitation number can vary and some jurisdictions don't have a limitation.
- 3.6.3 Removed the rule that would require bingo card monitoring that can only be used in conjunction with disposable bingo cards and have to be entered into the EBM at the time of purchase since this is not a technical standard.

- 3.6.5 Changed the rule that prohibits the player the ability to design their own bingo cards to allow this feature provided it is permissible by the local ordinance.
- 3.6.6 Removed the reference to the 75-card limitation because of the change in 3.6.2, above.
- 3.6.7 Removed the reference to the 75-card limitation because of the change in 3.6.2, above.
- 3.6.9 Clarified the system must log and immediately notify operations of a malfunction, as soon as possible.
- 3.6.11 Removed the limitation on the number of EBM's per player since this is not a technical standard.
- 3.6.12 Remove the location requirement of the bingo player since this is not a technical standard.
- 3.6.13 Clarified that one EBM shall be reserved as a back up is a recommendation.
- 3.6.14 Removed the reference to the 75-card limitation because of the change in 3.6.2, above.
- 3.6.15 Removed the requirement for disposable and adequately marked cards and the requirement for EBMs for play since this is not a technical standard.
- 3.7.4 Clarified there shall be a random change in the RNG process after every ball draw instead of after every game.
- 3.7.5 Removed from this section and moved to 5.2.2. This section is now RESERVED to avoid offsetting the numbering of this document.
- 3.8.3 Removed the reference to seventy-five balls bearing the numbers one through seventy-five since the number of balls may vary.
- 3.8.4 Changed the title of this section from Flashboards to RNG Outcome. Also, changed the
  rule so there is a method to display the RNG Outcome for the numbers called and not specify
  the method shall be Flashboards.
- 5.2.2 Moved Live Game Correlation to this section from 3.7.5.
- 5.6.1(b) Clarified that all communications between remote peripheral devices and the system shall be encrypted instead of the previous requirement for the player terminal and account server be encrypted.