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**Report Issuance Date:** 18 March 2014

**Evaluating Laboratory:** Gaming Laboratories International  
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**Report Recipient:** Marquee Holdings Ltd.  
Akara Bldg., 24 De Castro Street  
Wickhams Cay 1  
Road Town, Tortola  
British Virgin Islands

**Submitting Party:** Marquee Holdings Ltd.  
Akara Bldg., 24 De Castro Street  
Wickhams Cay 1  
Road Town, Tortola  
British Virgin Islands

**Jurisdiction:** Non-applicable

**Products Tested:** Baseball  
Bikini Beach  
Mafia  
Monkey King

**Evaluation Period:** 31 December 2013 to 18 March 2014

**GLI File Number:** MA-00-MQH-13-02

**Report Sections:**

- Introduction
- Game Description
- Mathematics Evaluation
- Conditions of Evaluation
- Terms and Conditions

**Signature:**

Mr. Larry Xiao

General Manager

GLI Asia Ltd.



**This report only pertains to GLI's verification of the mathematical aspects of the "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games against submitted game mathematics and rules documentation from Marquee Holdings Ltd. (hereafter referred to as "Marquee"). This report DOES NOT offer any opinion on whether or not these games are currently or will be recommended for approval in any particular jurisdiction.**

## **Introduction**

GLI was contracted by Marquee to perform an independent verification of a single mathematical model for the reel-based "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games, which according to Marquee are designed to be re-skinned versions of each other. The submission was not evaluated against any particular jurisdictional technical standards or requirements.

## **Game Descriptions**

A description of the "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games as derived from the submitted game rules is provided below.

### **Baseball**

"Baseball" is a five-reel, 30-pay-line slot game with the "HIT THE BALLS", "CHOOSE THE PITCHER" and "WILD SPIN" free spins game features. Winning combinations for all symbols pay from the leftmost to right reels except for the scattered symbol. Line wins are multiplied by the amount bet per line while scatter wins are multiplied by the total amount bet and added to line wins. Only the highest winning combination is awarded on each pay-line being bet on. The base game does not contain any wild symbol.

The "WILD SPIN" free spins feature is triggered when three or more 'SCOREBOARD' symbols appear at any position on the screen. The player is awarded four free spins. During the four free spins, the expanding 'SCOREBOARD' wild appears on reels #2, #3, #4 and #2 sequentially and substitutes for all symbols except for the 'BAT' and 'GLOVE' symbols.

The "HIT THE BALLS" feature is triggered when three or more 'BAT' symbols appear at any position on the screen. Upon triggering of the feature, the player is instructed to select one of the balls indicating the fly path of the coming ball for the pitcher. Each correct prediction will award instant credit prizes up to 22 times the total bet amount.

The "CHOOSE THE PITCHER" bonus round is triggered when three or more 'GLOVE' symbols at any position on the screen. The player is instructed to select three out of eight available pitchers with each pitcher corresponding to a multiplier ranging from 0 to 15 times. The winning amount is equivalent to the sum of the multipliers multiplied by the total bet amount.

### Bikini Beach

“Bikini Beach” is a five-reel, 30-pay-line slot game with the “SWIMWEAR”, “TAN ME UP” and “FREE SPINS” game features. Winning combinations for all symbols pay from the leftmost to right reels except for the scattered symbol. Line wins are multiplied by the amount bet per line while scatter wins are multiplied by the total amount bet and added to line wins. Only the highest winning combination is awarded on each pay-line being bet on. The base game does not contain any wild symbol.

The “FREE SPINS” feature is triggered when three or more ‘HAMMOCK’ symbols appear at any position on the screen. The player is awarded four free spins. During the four free spins, the expanding ‘HAMMOCK’ wild appears on reels #2, #3, #4 and #2 sequentially and substitutes for all symbols except for the ‘THE BODY’ and ‘SUNSCREEN’ symbols.

The “SWIMWEAR” feature is triggered when three or more ‘THE BODY’ symbols appear at any position on the screen. Upon triggering of the feature, the player is instructed to select one of the available swim wears. Each pick will award instant credit prizes up to 22 times the total bet amount.

The “TAN ME UP” bonus round is triggered when three or more ‘SUNSCREEN’ symbols at any position on the screen. The player is instructed to select three out of the six available body parts for sunscreen to be applied on with each body part corresponding to a multiplier ranging from 0 to 15 times. The winning amount is equivalent to the sum of the multipliers multiplied by the total bet amount.

## Mafia

“Mafia” is a five-reel, 30-pay-line slot game with the “CHOOSE THE WEAPON”, “SHOOT THE ENEMIES” and “FREE SPINS” game features. Winning combinations for all symbols pay from the leftmost to right reels except for the scattered symbol. Line wins are multiplied by the amount bet per line while scatter wins are multiplied by the total amount bet and added to line wins. Only the highest winning combination is awarded on each pay-line being bet on. The base game does not contain any wild symbol.

The “FREE SPINS” feature is triggered when three or more ‘BRIEFCASE’ symbols appear at any position on the screen. The player is awarded four free spins. During the four free spins, the expanding ‘BRIEFCASE’ wild appears on reels #2, #3, #4 and #2 sequentially and substitutes for all symbols except for the ‘TIME BOMB’ and ‘MACHINE GUN’ symbols.

The “CHOOSE THE WEAPON” feature is triggered when three or more ‘TIME BOMB’ symbols appear at any position on the screen. Upon triggering of the feature, the player is instructed to select one of the available weapons. Each pick will award instant credit prizes up to 22 times the total bet amount.

The “SHOOT THE ENEMIES” bonus round is triggered when three or more ‘MACHINE GUN’ symbols at any position on the screen. The player is instructed to shoot three out of the five available enemies each corresponding to a multiplier ranging from 0 to 15 times. The winning amount is equivalent to the sum of the multipliers multiplied by the total bet amount.

### Monkey King

“Monkey King” is a five-reel, 30-pay-line slot game with the “BUDDHA’S PALM”, “72 TRANSFORMATIONS” and “FREE SPINS” game features. Winning combinations for all symbols pay from the leftmost to right reels except for the scattered symbol. Line wins are multiplied by the amount bet per line while scatter wins are multiplied by the total amount bet and added to line wins. Only the highest winning combination is awarded on each pay-line being bet on. The base game does not contain any wild symbol.

The “FREE SPINS” feature is triggered when three or more ‘TRIPITAKA’ symbols appear at any position on the screen. The player is awarded four free spins. During the four free spins, the expanding ‘TRIPITAKA’ wild appears on reels #2, #3, #4 and #2 sequentially and substitutes for all symbols except for the ‘BUDDHA’S HAND’ and ‘TEMPLE’ symbols.

The “BUDDHA’S PALM” feature is triggered when three or more ‘BUDDHA’S HAND’ symbols appear at any position on the screen. Upon triggering of the feature, the player is instructed to select one of the available fingers on the Buddha’s hand. Each pick will award instant credit prizes up to 22 times the total bet amount.

The “72 TRANSFORMATIONS” bonus round is triggered when three or more ‘TEMPLE’ symbols at any position on the screen. The player is instructed to select three out of the seven available transformation styles each corresponding to a multiplier ranging from 0 to 15 times. The winning amount is equivalent to the sum of the multipliers multiplied by the total bet amount.

**Mathematics Evaluation**

GLI's mathematics evaluation of the "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games was performed with the aim of providing an independent calculation of the theoretical Percentage Return-to-Player (%RTP) of the games, based solely on the game mathematics and rules documentation submitted from Marquee.

The results of GLI's %RTP analysis of the "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games are presented in the table below.

Game Name	Marquee's Submitted %RTP	GLI's Mathematics Results	
		GLI's %RTP	Method of Analysis
Baseball	95.40%	95.40%	Analytical
Bikini Beach	95.40%	95.40%	Analytical
Mafia	95.40%	95.40%	Analytical
Monkey King	95.40%	95.40%	Analytical

The maximum non-progressive award details of the "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games as determined by GLI are as follows:

Game Name	Maximum Non-Progressive Award	Maximum Non-Progressive Award Event(s)	Odds of Maximum Non-Progressive Award
Baseball	660	Achieving the highest prize inside bonus feature #2 (i.e.: "HIT THE BALLS") during the base game with all lines being wagered on.	1 in 2,948
Bikini Beach	660	Achieving the highest prize inside bonus feature #2 (i.e.: "SWIMWEAR") during the base game with all lines being wagered on.	1 in 2,948
Mafia	660	Achieving the highest prize inside bonus feature #2 (i.e.: "CHOOSE THE WEAPON") during the base game with all lines being wagered on.	1 in 2,948
Monkey King	660	Achieving the highest prize inside bonus feature #2 (i.e.: "BUDDHA'S PALM") during the base game with all lines being wagered on.	1 in 2,948

**Conditions of Evaluation**

GLI's evaluation of Marquee's "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games mathematics is subject to the following limitations:

- The recipient, by its acceptance of this report or analysis, will be deemed to have acknowledged and agreed to all of the "Terms and Conditions" set forth below. If the recipient does not agree to all of such terms and conditions, GLI withdraws the certification provided or analysis established by this report and the recipient must immediately return to GLI all copies of this report and make no reference to this report for any purpose at any time.
- GLI's evaluation of Marquee's "Baseball", "Bikini Beach", "Mafia" and "Monkey King" games mathematics was related only to the technical scope of work elements discussed herein. This specifically excludes any other features or functions provided by the submission not related to these elements.
- GLI's findings concerning any statistical analysis of the game mathematics are within the 95% confidence interval.
- All testing results are based on information and materials submitted by Marquee to GLI throughout the duration of the project. There are inherent limitations to performing compliance testing within a laboratory environment, and within a finite time period. As a result of these limitations, anticipating all possible configurations, scenarios and events which could potentially occur in the live environment was not feasible.

Please refer to the attached "Terms and Conditions" which apply to the information provided herein.

Should you have any questions or require any additional information, please feel free to contact our office.

Sincerely,



Mr. Larry Xiao  
General Manager  
**GLI Asia Ltd.**

### **Terms and Conditions**

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