

RANDOMNESS EVALUATION REPORT

FOR

NG ENTERTAINMENT LTD BISON GOLD, HTML5-DESKTOP, 1.0

CONFIDENTIAL CERTIFICATE NUMBER: E238540NTGMLTM



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SECTION 1. GENERAL INFORMATION

| License Holder: | NG Entertainment Ltd 30/1 Kenilworth Court Sir Augustus Bartolo Street TA' Xbiex XBX 1093 Malta |
|---------------------------------|---|
| Game Name: | Bison Gold |
| Game Type: | Slot |
| Platform Type: | HTML5-Desktop |
| Game Version: | 1.0 |
| Applicable Technical Standards: | Licensing requirements of the Malta Gaming Authority ('MGA') Subsidiary Legislation 438.04 Remote Gaming Regulations Third Schedule, Regulation 25 |
| Testing Laboratory: | eCOGRA Limited 2/F Berkeley Square House Berkeley Square London W1J 6 BD United Kingdom |
| Test Engineers: | Collin Zondi |
| Supervisor: | Kabelo Williams |
| Request for Report: | 29 June 2023 |
| Report Date: | 10 July 2023 |
| Certificate Number: | e238540NTGMLTM |

In our opinion the game listed as tested in this report complies with the relevant sections of the licensing requirements of the Malta Gaming Authority ('MGA').

The test results obtained for NG Entertainment Ltd's Bison Gold HTML5-Desktop 1.0 game produced statistically acceptable random numbers that were free of any significant statistical bias or predictability.



Pierre Jordaan, Compliance Director



SECTION 2. INTRODUCTION

eCOGRA has been appointed by NG Entertainment Ltd to evaluate and certify the following Slot game for compliance with the relevant licensing requirements Subsidiary Legislation 438.04 Remote Gaming Regulations, Third Schedule, Regulation 25 of the Malta Gaming Authority ('MGA').

Bison Gold (1.0) - NG Entertainment Ltd

This certification report highlights our key findings as a result of the evaluation conducted on HTML5-Desktop, 1.0, which is the pre-production environment which is essentially the same as the live environment. The testing was conducted on the aforementioned platform established at NG Entertainment Ltd during the period 29 June 2023 to 10 July 2023.

Please note that this is an initial certification conducted over Bison Gold, HTML5-Desktop , 1.0 and therefore this game certificate does not supersede any previous certifications.



SECTION 3. RNG COMPONENTS

The Random Number Generator (RNG) as detailed in Section 2 and used by NG Entertainment Ltd in their Bison Gold 1.0 product was previously certified by GLI (Refer to RNG report: 413/19/001/UK/RTS/02). The scope of eCOGRA's randomness testing was limited to testing the randomness of the game output of the Bison Gold 1.0 game.

| Software Provider: | |
|----------------------------|---|
| Software Provider Address: | |
| Product Name: | |
| Product Description: | |
| Jurisdiction: | |
| Jurisdiction address: | Refer to GLI RNG report: 413/19/001/UK/RTS/02 |
| Test entity: | |
| Test entity address: | |
| Date: | |
| Approval: | |



SECTION 4. TEST RESULTS

Numerous recognised statistical and mathematical tests were performed on a 1,000,000 rows of sample data, provided by NG Entertainment Ltd, of the game output to verify the RNG operates in a random and fair manner. This included tests for probability (to ensure the expected number of occurrences), randomness (so that the following occurrence cannot be predicted with any degree of certainty) and uniformity (to determine that each possible outcome is equally likely over the long-term). The acceptance criteria for the statistical tests is a pass at a 95% confidence level.



SECTION 5. GAME DESCRIPTION

Bison Gold (1.0)

Game Description:

Bison Gold is a 5x4 screen with 1024 ways. Each game costs 50 coins. We will put the final Bet structure once we have the Backend done at this very place.

Further details regarding the betting characteristics, features and detailed game rules can be found in the game instructions which can be provided upon request.



SECTION 6. PERCENTAGE RETURN TO PLAYER ('RTP')

| Game Name | Theoretical RTP % | eCOGRA RTP % Recalculation |
|------------|-------------------|----------------------------|
| Bison Gold | 94.08% | 94.21% |
| | Buy Bonus: 94.51% | Buy Bonus: 94.67% |

The Theoretical RTP percentage indicated in the table above is extracted from the game documentation as provided by NG Entertainment Ltd eCOGRA recalculated the RTP percentage by performing additional independent mathematical calculations on the output of simulation game data.



SECTION 7. GAME SOFTWARE DETAILS

The scope of the game evaluation and certification applies solely to the critical game files, game versions and associated hashes provided in the tables below:

Game Files

| File Name / Identifier | Version | Version | SHA-1 Hash Sum | |
|---------------------------|---------|---------|--|--|
| | Date | Number | | |
| line_wins_handler.inc.php | N/A | N/A | 4265BFE2ACF6549D2A8C2708DDCCC26E6657D396 | |
| ConfigurationBG.txt | N/A | N/A | 92DDBA7F158CDB0D5036006A2E8086B189780A52 | |



SECTION 8. REVIEW FINDINGS

| Re | mote Gaming Regulations | Rating | Comments |
|-----|--|------------------------|---|
| Thi | rd Schedule - Regulation 25 - Technical require | ment for gaming syste | em |
| 1. | The gaming system must: | | |
| | a. faithfully follow the game rule published by the operator; and | 5 Compliant | |
| | b. provide over time no more than the expected house advantage to the operator. | | Not applicable to this game type. |
| 2. | Both the gaming and financial transaction must be congruent and secure. | 5 Not applicable | The scope of assessment is limited to aspects directly managed by the supplier. |
| 3. | The gaming system must satisfy the following | criteria for randomnes | s, following Schneier: |
| | a. the data must be randomly generated passing appropriate statistical tests o randomness; | | Refer to RNG certificate: 413/19/001/UK/RTS/02 |
| | b. the data must be unpredictable, i.e. in must be computationally infeasible to predict what the next number will be given complete knowledge of the algorithm or hardware generating the sequence, and all previously generated numbers; | | Refer to RNG certificate: 413/19/001/UK/RTS/02 |
| | c. the series cannot be reliabl reproduced, i.e. if the sequence generator is activated again with the same input (as exactly as is reasonabl possible) it will produce two completely unrelated random sequences. | 2 2 2 7 | Refer to RNG certificate: 413/19/001/UK/RTS/02 |
| 4. | The outcome of any game event, and the return to the player, must be independent of the CPU memory, disk or other components used in the playing device used by the player. | , | Refer to RNG certificate: 413/19/001/UK/RTS/02 |
| 5. | The game or any game event outcome must no be affected by the effective bandwidth, lin utilisation, bit error rate or other characteristi of the communication channel between the gaming system and the playing device used b the player. | | |



| Ren | note Gai | ming Regulations | Rating | Comments |
|-----|------------|---|----------------------|---|
| Thi | rd Sched | ule - Regulation 25 - Technical requirem | ent for gaming syste | em |
| 6. | The gar | ning system must be able to display for ea | ach game the follow | ing information on the current page or on |
| | a page | directly accessible from the current page | via a hyperlink: | |
| | a. | the name of the game; | Compliant | |
| | b. | restrictions on play; | Compliant | |
| | с. | instructions on how to play, including | Compliant | Wallet functionality is not directly |
| | | a pay-table for all prizes and special | | managed by the supplier. |
| | | features; | | |
| | d. | the player's current account balance; | Compliant | |
| | e. | unit and total bets permitted; | Compliant | |
| | f. | the rules of the game. | Compliant | |
| 7. | All fina | ncial reports produced by the gaming | Not applicable | The scope of assessment is limited to |
| | system | must be congruent with gaming | | aspects directly managed by the |
| | transac | tion reports and conversely: | | supplier. |
| | Provide | d that all such reports shall be readily | | |
| | and fre | ely available to the Authority. | | |
| 8. | The gar | ning system must: | Not applicable | The scope of assessment is limited to |
| | a. | be capable of producing monthly | | aspects directly managed by the |
| | | auditable and aggregate financial | | supplier. |
| | | statements of gaming transactions, | | |
| | | and | | |
| | b. | calculate accurately all taxation and | Not applicable | The scope of assessment is limited to |
| | | other monies due to the Authority. | | aspects directly managed by the |
| 0 | T I | ······································ | | supplier. |
| 9. | The gar | ning system must maintain information a | | |
| | a. | the identity of the player; | Not applicable | The scope of assessment is limited to |
| | | | | aspects directly managed by the |
| | | | | supplier. |
| | b. | the time the game began as recorded | Compliant | The recording of the results within the |
| | | on the game's server; | | gambling system are not managed by |
| | | the belonce on the player's account at | Notappliable | the supplier. |
| | С. | the balance on the player's account at the start of the game; | Not applicable | The scope of assessment is limited to aspects directly managed by the |
| | | the start of the game, | | supplier. |
| | d. | the stakes placed in the game (time | Compliant | The recording of the results within the |
| | u. | stamped by the games server); | compliant | gambling system are not managed by |
| | | stamped by the games servery, | | the supplier. |
| | e. | the game status (in progress, | Not applicable | The scope of assessment is limited to |
| | с. | complete, etc.); | | aspects directly managed by the |
| | | | | supplier. |
| | f. | the result of the game (time stamped | Compliant | The recording of the results within the |
| | •• | by the games server); | | gambling system and account |
| | | | | functionality are not managed by the |
| | | | | supplier. |



| Remote Gar | ning Regulations | Rating | Comments | | |
|-------------|--|-----------------------|--|--|--|
| Third Sched | Third Schedule - Regulation 25 - Technical requirement for gaming system | | | | |
| g. | the time the game ended as recorded by the games server; | Not applicable | The scope of assessment is limited to aspects directly managed by the supplier. | | |
| h. | the amount won or lost by the player; and | Compliant | The recording of the results within the gambling system and account functionality are not managed by the supplier. | | |
| i. | the balance on the player's account at the end of the game. | Not applicable | The scope of assessment is limited to aspects directly managed by the supplier. | | |
| 10. The gar | ning system must maintain information a | bout significant ever | nts as follows: | | |
| a. | large wins; | Not applicable | The scope of assessment is limited to aspects directly managed by the supplier. | | |
| b. | transfers of funds in excess of such amount as the Authority may from time to time direct by notice in writing to the operator; | Not applicable | The scope of assessment is limited to aspects directly managed by the supplier. | | |
| C. | changes made by the operator to game parameters. | Not applicable | The scope of assessment is limited to aspects directly managed by the supplier. | | |
| specifie | riations to any of the requirements d in this Schedule shall be submitted to thority for its approval by notice in | Not applicable | No variations identified for the product under certification. | | |