



**GAMBLING COMMISSION (GREAT BRITAIN)
INDEPENDENT GAME TESTING SUMMARY REPORT**

FOR

NG ENTERTAINMENT LTD

AMERICAN WONDER REELS

HTML5-DESKTOP

1.0

CONFIDENTIAL
CERTIFICATE NUMBER: e241648NTGGBRM

Confidential: This report may not be reproduced, either in part or in full, without the prior written permission of eCOGRA.

IMPORTANT DISCLAIMER

This report is supplied on the basis that it is for the sole use of the parties listed and to whom it is addressed, and exclusively for the objectives set out herein.

No party, other than those specified, may rely on this report for any purpose whatsoever.

eCOGRA Limited ('eCOGRA') does not accept any liability or responsibility towards any third party to whom this report is shown or into whose hands it may fall.

This report should not be relied upon for any assurances in relation to third parties and/or activities which are not covered by the certifiable regulatory requirements or compliance standards of the jurisdiction, regulatory authority or compliance entity or system for whose purposes this report is stated to have been prepared. All such other parties and activities are outside the scope of this report and have therefore not been reviewed by eCOGRA.

The nature, timing and extent of testing conducted for the purpose of the certification is considered sufficient and appropriate based on the applicable certifiable regulations and professional judgement applied to the associated risk of non-compliance. The certification of compliance should not be construed to imply any warranty over the functionality, quality or performance of the subject of certification. eCOGRA reserves the right to withdraw this certificate if any non-compliances are subsequently detected by or reported to eCOGRA.

CONFIDENTIALITY NOTICE

This document is proprietary to eCOGRA and contains confidential information of commercial value to eCOGRA, the disclosure of which to third parties could adversely affect the business affairs of eCOGRA.

This information is supplied in confidence to you, on the strict condition that no part of it is disclosed to any third party, in particular to any person or organisation that may be in competition with eCOGRA without the prior written approval of eCOGRA.

TABLE OF CONTENTS

| | |
|--|----|
| SECTION 1. GENERAL INFORMATION | 4 |
| SECTION 2. INTRODUCTION | 6 |
| SECTION 3. GAME DESCRIPTION | 7 |
| SECTION 4. PERCENTAGE RETURN TO PLAYER ('RTP') | 8 |
| SECTION 5. SOFTWARE DETAILS | 8 |
| SECTION 6. REVIEW FINDINGS..... | 9 |
| SCHEDULE 1. GAME TESTING | 14 |
| 1. TESTS PERFORMED..... | 14 |
| 2. TEST RESULTS | 15 |

SECTION 1. GENERAL INFORMATION

| | |
|------------------------------|---|
| License Holder: | NG Entertainment Ltd 30/1 Kenilworth Court Sir Augustus Bartolo Street TA' Xbiex XBX 1093 Malta |
| Game Name: | American Wonder Reels |
| Game ID: | Integer: 53 |
| Game Type: | Casino Slot |
| Platform Type: | HTML5-Desktop |
| Platform Version: | 1.0 |
| Platform Supplier: | NG Entertainment Ltd 30/1 Kenilworth Court Sir Augustus Bartolo Street TA' Xbiex XBX 1093 Malta |
| Channels Tested: | Desktop: Microsoft Windows 11, Version 121.0.6167.140 (Official Build) (64-bit) |
| Scope of Testing: | Remote Gambling and Software Technical Standards (“RTS”) – February 2021, limited to RTS 7A, RTS 7B, RTS 7C, RTS 7E, RTS 9B.b and RTS 9B.d (and pre-release assessable elements of RTS 3A, RTS 3B, RTS 3C, and RTS 5A). |
| Certification Type: | Initial pre-release testing |
| Sampling Used for Retesting: | N/A |
| Test House: | eCOGRA Limited 2/F Berkeley Square House Berkeley Square London W1J 6 BD United Kingdom |
| Test House Accreditation: | A UKAS accredited testing laboratory No. 4656 ISO/IEC 17025:2017, issued by the United Kingdom Accreditation Service |

Test Engineers: Ethic Hadebe; Stephen Coombe
Test Supervisor: Kabelo Williams
Request for Report: 29 January 2024
Certificate Date: 09 February 2024
Certificate Number: e241648NTGGBRM
Result of Testing: Compliant (Refer to Test Results under Schedule 1)

I hereby certify that the abovementioned game complies with the applicable requirements of RTS 7A, RTS 7B, RTS 7C, RTS 7E, RTS 9B.b and 9B.d (and pre-release assessable elements of RTS 3A, RTS 3B, RTS 3C, and RTS 5A) of the Gambling Commission’s Remote Gambling and Software Technical Standards – February 2021, as described in Section 6 of this report. In addition, we have verified that the game under certification does not contain the option to purchase direct access to any features.



Pierre Jordaan
Compliance Director, eCOGRA

SECTION 2. INTRODUCTION

eCOGRA has been appointed by NG Entertainment Ltd to evaluate and certify the following Slot game for compliance with the relevant Remote Gambling and Software Technical Standards – February 2021, and to highlight any exceptions identified during testing.

- American Wonder Reels (1.0)

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 05 February 2024 to 06 February 2024.

Please note that this is an initial certification conducted over American Wonder Reels HTML5-Desktop and therefore this game certificate does not supersede any previous certifications.

SECTION 3. GAME DESCRIPTION

American Wonder Reels (1.0)

Game Description:

American Wonder Reels is played with 25 fixed paylines and each game costs a minimum of 25 fixed coins. Payouts are made according to the payable.

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 4. PERCENTAGE RETURN TO PLAYER ('RTP')

| Game Name | Theoretical RTP % | eCOGRA RTP % Recalculation |
|-----------------------|-------------------|----------------------------|
| American Wonder Reels | 93.97% | 93.89%. |

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 5. 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 Date | Version Number | Binary SHA#1 Hash |
|---------------------------|--------------|----------------|--|
| ConfigurationAWR.txt | N/A | N/A | 72650E02FEB0AD8471CFE5743EF20B56B763B995 |
| line_wins_handler.inc.php | N/A | N/A | 4265BFE2ACF6549D2A8C2708DDCCC26E6657D396 |

Random Number Generator

| File Name / Identifier | Version Date | Version Number | Binary SHA#1 Hash |
|------------------------|--------------|----------------|--|
| rng.lib.php | 21/06/2019 | php 7 | 850D4C84879E52C8A3F4752488A3634869052196 |

SECTION 6. REVIEW FINDINGS

The key findings of our evaluation of the game for compliance with the relevant sections of the Remote Gambling and Software Technical Standards – February 2021, are as follows:

| RTS Requirement Assessed | Related RTS Requirements Assessed | Testing Applied | Assessment | Comments |
|---|---|--|------------|--|
| RTS 7 – Generation of random outcomes <i>(Aim: To ensure that games and other virtual events operate fairly)</i> | | | | |
| <p>RTS requirement 7A</p> <p>Random number generation and game results must be ‘acceptably random’. Acceptably random here means that it is possible to demonstrate to a high degree of confidence that the output of the RNG, game, lottery and virtual event outcomes are random, through, for example, statistical analysis using generally accepted tests and methods of analysis. Adaptive behaviour (i.e. a compensated game) is not permitted.</p> <p>Where lotteries use the outcome of other events external to the lottery, to determine the result of the lottery (for example, using numbers from the National Lottery) the outcome must be unpredictable and externally verifiable.</p> | Not applicable. | Refer to “1. Tests Performed” under “Schedule 1 – Game Testing” below. | Compliant | Refer to Gaming Laboratories international RNG report: 413-19-001-UK-RTS-02 |
| <p>RTS requirement 7B</p> <p>As far as is reasonably possible, games and events must be implemented fairly and in accordance</p> | <p>RTS requirement 3A</p> <p>An explanation of the applicable rules must be easily available to the customer before they</p> | Refer to “1. Tests Performed” under “Schedule 1 – | Compliant | The scope of testing for the “Related RTS Requirements” did not include how game |

| RTS Requirement Assessed | Related RTS Requirements Assessed | Testing Applied | Assessment | Comments |
|--|---|-----------------------------|------------|---|
| <p>with the rules and prevailing payouts, where applicable, as they are described to the customer.</p> | <p>commit to gamble. The content including artwork and text must be accurate, and sufficient to explain all of the applicable rules and how to participate. All reasonable steps must be taken to ensure that the content is understandable</p> <p>RTS requirement 3B Where relevant, as the game or event progresses, information that may reasonably be expected to enable the customer to understand the current state must be displayed.</p> <p>RTS requirement 3C For each virtual event, game (including bingo), or lottery, information that may reasonably be expected to enable the customer to make an informed decision about his or her chances of winning must be easily available before the customer commits to gamble. Information must include:</p> <ul style="list-style-type: none"> i. a description of the way the game works and the way in which winners are determined and prizes allocated; | <p>Game Testing” below.</p> | | <p>rules are made available to players (rules easily accessible via hyperlinks etc). eCOGRA has performed a review of the game display and content of player facing rules to ensure that they accord with the maths and enable players to verify game outcomes.</p> |

| RTS Requirement Assessed | Related RTS Requirements Assessed | Testing Applied | Assessment | Comments |
|---|--|---|------------------|-----------------------------|
| | <ul style="list-style-type: none"> ii. house edge (or margin); iii. the return to player (RTP) percentage; or iv. the probability (likelihood) of winning events occurring. <p>RTS requirement 5A All reasonable steps should be taken to ensure that gambles are accepted, processed and settled in accordance with the operator’s published terms and rules, and the rules of the specific game, event, or bet.</p> | | | |
| <p>RTS requirement 7C Game designs or features that may reasonably be expected to mislead the customer about the likelihood of particular results occurring are not permitted, including substituting losing events with near-miss losing events and simulations of real devices that do not simulate the real probabilities of the device.</p> | <p>Not applicable.</p> | <p>Refer to “1. Tests Performed” under “Schedule 1 – Game Testing” below.</p> | <p>Compliant</p> | <p>Refer to Schedule 1.</p> |
| <p>RTS requirement 7E Except in the case of subscription lotteries, the system clearly and accurately display the result of the game or event and the customer’s gamble. The result must be displayed for a length of time that may reasonably be expected to be sufficient for the</p> | <p>RTS requirement 5A All reasonable steps should be taken to ensure that gambles are accepted, processed and settled in accordance with the operator’s published terms and rules, and the rules of the specific game, event, or bet.</p> | <p>Refer to “1. Tests Performed” under “Schedule 1 – Game Testing” below.</p> | <p>Compliant</p> | <p>Refer to Schedule 1.</p> |

| RTS Requirement Assessed | Related RTS Requirements Assessed | Testing Applied | Assessment | Comments |
|--|--|--|----------------|---|
| customer to understand the result of the game or event in the context of their gamble. | | | | |
| RTS 9 – Progressive jackpot systems <i>(Aim: To ensure that progressive jackpot systems operate fairly)</i> | | | | |
| RTS requirement 9B.b Where a customer contributes to a jackpot pool, that customer should be eligible to win the jackpot whilst they are playing that game. The chances of winning a jackpot should increase in correlation with the amount contributed. | RTS implementation guidance 7C f. Where a customer contributes to a jackpot pool, that customer should be eligible to win the jackpot whilst they are playing that game, in accordance with the game and jackpot rules. | Refer to “1. Tests Performed” under “Schedule 1 – Game Testing” below. | Not Applicable | No Progressive Jackpot within game. |
| RTS requirement 9B.d The gambling system shall ensure that a winning customer is notified of a jackpot win immediately after it is triggered and that other participating customers are adequately notified of the jackpots reset value. | Not applicable. | Refer to “1. Tests Performed” under “Schedule 1 – Game Testing” below. | Not Applicable | No Progressive Jackpot within game. |
| Feature Buy-Ins | | | | |
| It shall not be possible for a player to directly access a game feature by placing an additional wager outside of the normal course of play. | RTS requirement 14A Gambling products must not actively encourage customers to chase their losses, increase their stake or increase the amount they have decided to gamble, or continue to gamble after they have indicated that they wish to stop. RTS requirement 3A | Refer to “1. Tests Performed” under “Schedule 1 – Game Testing” below. | Compliant | The game under certification does not contain the option to purchase direct access to any features. Where the game contains a feature that may be activated by an additional wager that is made with winnings from the current game round (e.g. |

| RTS Requirement Assessed | Related RTS Requirements Assessed | Testing Applied | Assessment | Comments |
|--------------------------|--|-----------------|------------|---|
| | An explanation of the applicable rules must be easily available to the customer before they commit to gamble. The content including artwork and text must be accurate, and sufficient to explain all of the applicable rules and how to participate. All reasonable steps must be taken to ensure that the content is understandable | | | a gamble feature), this is deemed acceptable. |

SCHEDULE 1. GAME TESTING

1. TESTS PERFORMED

Game design testing has included verification of the game mathematics, game artwork, the theoretical RTP and player-facing game rules. Software testing has included evaluation and verification of the software implementation of the game design aspects tested. The game software testing has been conducted on HTML5-Desktop; HTML5-Mobile 1.0, which is a pre-production environment which is reflective of the live environment, with verification procedures conducted over games rules and the actual RTP, using methods of simulation, emulation and manual testing, and verification of the scaling and mapping used to convert raw RNG output to game outcomes.

The game evaluation included the following tests, amongst others:

- Verification procedures over sufficiency and appropriateness of the client's internal testing conducted over the game under certification;
- Review of game documentation;
- Review of the mapping of the random inputs to game outcomes in accordance with prevailing probabilities and pay tables;
- Evaluation of the pertinent modules of the game source code for mapping of rules and RNG calling;
- Evaluation of game accounting in accordance with game pay tables;
- Inspection of game interface including artwork and graphics, and clear and correct presentation of the game rules;
- Comprehensive operational and functional client-side tests over the game mechanics to ensure that game pay tables, game rules and help files are correctly implemented in the operation of the game;
- Testing of rare outcomes through emulation to ensure that game pay outs, top prizes and jackpot features (if applicable) operate correctly;
- Review of the game design and game mathematics that determine the theoretical RTP%;
- A check on whether it is possible to place a wager outside of the base game and ordinary course of play; and if this wager directly activates a game feature outside of the ordinary course of play.
- Independent mathematical calculations of RTP% utilising complete, accurate and valid simulated game data output, to verify the theoretical RTP% as per the game mathematics documentation; and
- Game simulation (output) testing to ensure the game outcomes are randomly generated; and the actual RTP is within an acceptable range of the expected RTP.

The RNG utilised in evaluating the game output and games rules has been sufficiently and appropriately tested, in a separately issued test house summary report. Please refer to Gaming Laboratories international RNG report 413/19/001/UK/RTS/02

2. TEST RESULTS

Numerous tests were performed to ensure the game operates in compliance with the applicable requirements of RTS 7A, RTS 7B, RTS 7C, RTS 7E, RTS 9B.b and 9B.d (and the pre-release assessable elements of RTS 3A, RTS 3B, RTS 3C and RTS 5A) of the Gambling Commission's Remote Gambling and Software Technical Standards – February 2021, including an evaluation and verification of the software implementation of the game artwork, theoretical RTP and maths. Based on the testing conducted, the game is assessed as compliant with the applicable requirements of RTS 7A, RTS 7B, RTS 7C, RTS 7E, RTS 9B.b and RTS 9B.d (and pre-release assessable elements of RTS 3A, RTS 3B, RTS 3C and RTS 5A) of the Gambling Commission's Remote Gambling and Software Technical Standards – February 2021. In addition, we have verified that the game under certification does not contain the option to purchase direct access to any features.