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| **Date of Report:** | 13 January 2023 |
| **Issuing Laboratory:** | Gaming Laboratories World Headquarters |
| | 600 Airport Road, Lakewood, NJ 08701 |
| **Report Recipient:** | NG Entertainment US LLC |
| | 18 Columbia Turnpike |
| | Suite 200 |
| | Florham Park |
| | NJ 07932 |
| **Jurisdiction:** | Michigan State Interactive |
| **Technical Standards for Testing:** | • Michigan Gaming Control Board - Internet Gaming Rules R432.611 - R432.676 |
| | • GLI-19 v3.0 – Interactive Gaming Systems |
| **Software Suppliers:** | NG Entertainment US LLC |
| | 18 Columbia Turnpike |
| | Suite 200 |
| | Florham Park |
| | NJ 07932 |
| **Submitting Party:** | NG Entertainment US LLC |
| | 18 Columbia Turnpike |
| | Suite 200 |
| | Florham Park |
| | NJ 07932 |
| **Products Tested:** | Book of Ocean |
| **File Numbers:** | MO-614-NG5-22-10 |
| **Testing Results:** | **Complies** |

## Product Details

GLI tested the following game(s) during the evaluation:

| Game Name | Program ID | Server Version | Client Version | iOS Version | Config Version |
|---|---|---|---|---|---|
| 1: Book of Ocean | Book of Ocean | 1.1 | -- | -- | -- |

## Software

A description of the submitted software is listed below.

1. **Game Name:**
   Book of Ocean

"Book of Ocean" is a 5-reel 10-line online video reel game. The game includes a wild symbol. The game contains a 'Free Spins' feature, a 'Special Expanding Symbol' feature and a 'Bonus Game' feature.

For version-control of the game, GLI gathered the following signatures:

| Description | Game Name | File/Directory Name | Version |
|---|---|---|---|
| Server | Book of Ocean | post_win_expand_symbol.php | 1.1 |
| SHA-1 | EA8CCC4E285E87FBEBF3F96F7CE68DA5D5898D24 | | |
| MD5 | 70341836588CF3F22E60E9664F85FD2F | | |
| Server | Book of Ocean | pick_expand_symbol.php | 1.1 |
| SHA-1 | 4E0A340494AB0B3BA782C3FCF2FAFACF909CEBC0 | | |
| MD5 | 4FE24A5A622CD158DBA005C5520F8DCC | | |
| N/A | Book of Ocean | casino_core.lib.php | 1.1 |
| SHA-1 | CB46588765DA95485EF49E47955EA45E474ED308 | | |
| MD5 | AAF0DC38AC2E3EB5AC53E0B363D690E0 | | |
| N/A | Book of Ocean | csprng.lib.php | 1.1 |
| SHA-1 | 9C110C5F67D8EA4D998D71D208598831A28C22B4 | | |
| MD5 | 0DDFE57734E46BB3DFDCC7A138D4C266 | | |
| N/A | Book of Ocean | gamble.php | 1.1 |

| Description | Game Name | File/Directory Name | Version |
|---|---|---|---|
| SHA-1 | C118F818F1DE4927C3088F5893C1673039CE334F | | |
| MD5 | 7FE1DFCF9FABC33523B74E7DAD4A94A1 | | |
| N/A | Book of Ocean | line_wins_handler.inc.php | 1.1 |
| SHA-1 | 4265BFE2ACF6549D2A8C2708DDCCC26E6657D396 | | |
| MD5 | 139DB59FB2E231C6B31C9C26A54A7EEE | | |
| N/A | Book of Ocean | paylines.php | 1.1 |
| SHA-1 | 40A0444B5EA9FFEA00DD5FE38B47FDF0AA49D88D | | |
| MD5 | 7B3B6B8DD2AAF963EECB202BBC2512A8 | | |
| N/A | Book of Ocean | round_core.php | 1.1 |
| SHA-1 | 46A6C7C2393D999B2664B9BF3B46E41EBCA7D4A3 | | |
| MD5 | 52ED8CD4C140EC263817D12C53A965B9 | | |
| N/A | Book of Ocean | spin_handler.php | 1.1 |
| SHA-1 | 59673A8C4B8A6B7C504B5944AEBE4306A74C5560 | | |
| MD5 | 344764FAA52D85CBE34DA8BF4533B527 | | |

## Game Information

GLI performed an independent calculation of the theoretical Percentage Return to Player (%RTP) values of the game and the results are listed in the table below.

| Game Name | Supplier's Paytable ID | In Game RTP % | Supplier's RTP % | GLI's RTP % |
|---|---|---|---|---|
| Book of Ocean | N/A | 96.50 | 96.50 | 96.50 |

| Paytable Id | Odds of Maximum Non-Progressive Award | Explanation of Maximum Non-Progressive Award | Odds of Maximum Progressive Award | Explanation of Maximum Progressive Award |
|---|---|---|---|---|
| N/A | 1 in 68656 | Hit 5x of the "201" Symbols on a single payline. | N/A | N/A |

## Notes

GLI's compliance evaluation of the software 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. Any sections of the aforementioned Technical Standards specific to the Random Number Generator (RNG), Platform or Financial Reporting were outside of the scope of this software and/or integration evaluation.

GLI's Evaluation of the software included (but was not necessarily limited to) the following elements to the extent necessary to evaluate the software for compliance with the requirements in the aforementioned Technical Standards:

- Submitted Documentation Review
- Artwork and Game Rules Review
- Source Code Review
- Game Mathematics
- Emulation Testing
- Jurisdictional Requirements Verification
- Functionality Testing
- Artwork and Interface Testing

Player facing history is not available in the environment provided to the test lab.

GLI observed that the player's balance before and after game play is not recorded in the system due to the fact that player accounts are maintained by the Operator. The implementation of these elements will be the responsibility of the eventual Operator of this game.

## Verification Procedures

GLI generated the checksums of the files and/or directories using the methods stated below:

Verify+ by Kobetron™ - Verification Procedure

1. Open Verify+ by Kobetron™.
2. Select the 'File' or 'Directory' radio button.
3. Select the 'Browse' button and then choose the file or the top directory for which a signature is being requested.
4. Click the "Verify" button.
5. The current file/directory being checked will be displayed in the window.
6. The program will generate the aforementioned signatures and display the results.

## Test Environment

The software was tested in an environment consisting of the following components:

| Client Side Details | |
| --- | --- |
| Delivery Mechanism(s) | Desktop Web-based, Mobile Web-based |
| Client Installer Package(s) | N/A |
| Delivery Mechanism Type(s) | HTML5 |
| **Testing Details** | |
| Platform(s) and Version(s) Tested With | https://dev-games-betmgm.netgaming.com/games/gli/ |
| Browser(s) and Version(s) Tested With | Google Chrome (101.0.4951.41), Safari Mobile (13) |
| Flash Version(s) Tested With | N/A |
| Operating Systems(s) With Version | iOS Mobile (13.2.3 (15E148)), Microsoft Windows 10 Enterprise (21H2 (19044.1645)) |
| Mobile Device(s) | Apple iPhone 7 (emulated) |
| iOS Client(s) | N/A |

| Registration Number of Accreditation applicable to this report: | A2LA 2428.05 |
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Subject to the limitations outlined in the Conditions of Evaluation, it is GLI's position that the evaluated elements contained within this report comply with the requirements of the applicable Technical Standard(s). Accordingly, GLI recommends the approval of the evaluated components for use within the aforementioned jurisdiction.

If you should have any questions regarding this information, please feel free to contact our office.

Sincerely,

Christine M. Gallo

Senior Vice President, Quality and Technical Compliance