



Date of Report: 01 February 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: Viking's Chess The Conqueror's Game

File Numbers: MO-614-NG5-22-19

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: Viking's Chess The Conqueror's Game	Viking's Chess The Conqueror's Game	1.1	--	--	--

Software

A description of the submitted software is listed below.

1. Game Name:

Viking's Chess The Conqueror's Game

"Viking's Chess The Conqueror's Game" is a 5x5 grid video reel game. The base game features a Wild symbol. The game contains 'Free Spins' and 'Gravalanche' feature.

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

Description	Game Name	File/Directory Name	Version
Server	Viking's Chess The Conqueror's Game	post_spreading_wild.inc.php	1.1
SHA-1	3BBCB4E5B843FF4CD7F52297A1FB97C3211EEA7B		
MD5	1895EF4E52CC64EC44FF68667FFFC3EB		
Server	Viking's Chess The Conqueror's Game	post_avalanche_chess.inc.php	1.1
SHA-1	574D7A7E6551E69041F932890B436C491FFEC2BC		
MD5	AC2E328B997F51E6D440354901FDE7AD		
Server	Viking's Chess The Conqueror's Game	chess.php	1.1
SHA-1	CA729684BDCF7B4DC0747223E8DBB545E5781482		
MD5	BFCC4FAB64B3A105AD29721CE17A9540		
N/A	Viking's Chess The Conqueror's Game	casino_core.lib.php	1.1
SHA-1	CB46588765DA95485EF49E47955EA45E474ED308		
MD5	AAF0DC38AC2E3EB5AC53E0B363D690E0		
N/A	Viking's Chess The Conqueror's Game	csprng.lib.php	1.1
SHA-1	9C110C5F67D8EA4D998D71D208598831A28C22B4		



Description	Game Name	File/Directory Name	Version
MD5	0DDFE57734E46BB3DFDCC7A138D4C266		
N/A	Viking's Chess The Conqueror's Game	paylines.php	1.1
SHA-1	40A0444B5EA9FFEA00DD5FE38B47FDF0AA49D88D		
MD5	7B3B6B8DD2AAF963EECB202BBC2512A8		
N/A	Viking's Chess The Conqueror's Game	round_core.php	1.1
SHA-1	46A6C7C2393D999B2664B9BF3B46E41EBCA7D4A3		
MD5	52ED8CD4C140EC263817D12C53A965B9		
N/A	Viking's Chess The Conqueror's Game	spin_handler.php	1.1
SHA-1	59673A8C4B8A6B7C504B5944AE4306A74C5560		
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 %
Viking's Chess The Conqueror's Game	N/A	95.27	95.27	95.27

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 1105339	Get 5 of a kind Wild with two Home hotspots, during the free games.	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)), Windows 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