



GLI®

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RvA Registration Number of Accreditation applicable to this Report:	
Testing	L372
Certification	C577

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Report Type:	Evaluation and Certification
Report Date	30 September 2019
Issuing Laboratory:	GLI Europe B.V.
Evaluating Laboratories:	GLI Europe B.V. Av. Corts Catalanes 9-11 SC Trade Center, Building 3 1D 08173 St. Cugat del Vallès (Barcelona) Spain
Report Recipient:	NetEnt Product Services Ltd Level One, Spinola Park Mikiel Ang. Borg Street SPK1000, St. Julians Malta
Jurisdiction:	Romania Online
Technical Standards for Testing:	ORDER no. 93/18.04.2016 for the approval of the mandatory stipulations afferent to the certification and auditing of remote games of chance systems. Government Decision no. 111/2016 of the 24th of February 2016 regarding the approval of the Methodological norms of applying the Emergency Government Ordinance no. 77/2009 regarding the games of chance organization and operation and for the modification and supplementation of the Government Decision no. 298/2013 regarding the organization and functioning of the National Office for Games of Chance, for the modification of the Government Decision no. 870/2009 for the approval of the Methodological norms of applying the Emergency Government Ordinance no. 77/2009 and for the repeal of the Government Decision no. 870/2009 regarding the games of chance organization and operation.
Software Supplier:	NetEnt Product Services Ltd Level One, Spinola Park Mikiel Ang. Borg Street SPK1000, St. Julians Malta
Submitting Party/ Licensee Name:	NetEnt Gaming Solutions PLC Level One, Spinola Park Mikiel Ang. Borg Street SPK1000 St. Julians Malta
Product Tested:	longpao-bundle-production-1.6.0.jar
Request Date:	As requested per submitter's request received on 12 September 2019.
Evaluation Period:	16 September 2019 / 25 September 2019
Internal Reference	MO-343-NE1-19-100
Testing Result:	Subject to the Conditions of Evaluation section of this Report: Complies
Internal methods used reference:	WIP-24





Software Product Details

GLI tested the following games during the evaluation:

Game Type	Game Name	Client Game ID	Version	Uses RNG approved in Report
Slot Game	1. "Long Pao™"	longpao_not_mobile	1.6.0	2017NET124RNG343_2
	2. "Long Pao Touch™"	Longpao_mobile_html		

The games were tested in an environment containing the following components:

Client-Side Details	
Delivery Mechanism:	Web Based / Mobile
Delivery Mechanism Type:	HTML5
Testing Details	
Browsers and Versions Tested With:	Chrome V75.0.3770.100
Operating System(s) with Version:	Windows 10 Pro





Software Product Details

For version-control of the files, GLI gathered the following checksums:

File Name	SHA-1 Checksum
longpao-bundle-production-1.6.0.jar	ADFF5D47857D4355BCA3F2D3DFAB8C7E0A5508D3





Games Evaluation

Descriptions of the submitted games are given below.

1. **“Long Pao™”**

“Long Pao™” is a 25-line, 3-row video slot with 15 independent reels featuring ‘Sticky Wins™’, ‘Free Spins’ and ‘Wild’ substitutions.

2. **“Long Pao Touch™”**

“Long Pao Touch™” is a 25-line, 3-row video slot with 15 independent reels featuring ‘Sticky Wins™’, ‘Free Spins’ and ‘Wild’ substitutions.





Games Evaluation

GLI's Games Evaluation of NetEnt Gaming Solutions PLC's games included (but was not necessarily limited to) the following elements to the extent necessary to evaluate the games for compliance with the requirements in the standards listed on the first page:

- Unsupervised build and install,
- Verified artwork: verify game rules correctness and game screen,

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

Game Name	NetEnt Gaming Solutions PLC's Submitted RTP%	GLI's Mathematics Results		
		Game RTP%	Types of RTP%	Method of Analysis
"Long Pao™"	96.96%	96.96%	Average	Simulation
"Long Pao Touch™"	96.96%	96.96%	Average	Simulation





Jurisdictional Requirements

Annex no. 7 to the methodological norms		Determination	Result/Explanation
DOCUMENTS required in order to obtain the authorization to operate games of chance			
II. For remote games of chance			
For authorizations to operate remote games of chance:			
6.	The documents that prove that the certifications were granted for the gaming programme, the theoretical percentage prize (RTP) and the random numbers generator (RNG);	Pass	





Recommendations

There are no recommendations to be made.





Conditions of Evaluation

GLI's compliance evaluation of NetEnt Gaming Solutions PLC's games is subject to the following conditions:

- Data is being sent to the mirror and safe by the operator.
- GLI's compliance evaluation of NetEnt Gaming Solutions PLC's games 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 compliance testing of the games did not include a supervised Build and Install of the software components under test and as a result a standard baseline envelope for the application files, source code, binaries and configuration files could not be established for the games. Therefore, GLI is unable to verify that the games tested by GLI correspond exactly to the source code provided to GLI. The compliance evaluation of the slot games was limited to the evaluation of the information provided by the supplier at the time of testing.
- While GLI has reviewed all pays and plays through a source code review, GLI has NOT fully emulated the math model. Therefore, GLI cannot guarantee the following:
 - 1) That the displayed return to player (RTP) matches the actual RTP.
 - 2) That the payable and results displayed to the player matches the actual payable pays.
 - 3) That the game operates and interacts with the player strictly in accordance with the published game rules.Should a more extensive verification of the payouts be required, please contact GLI for more information.
- GLI generated the checksums of the software and source code files using the methods stated below:

Verify+ by Kobetron™ - Verification Procedure for Files or Directories:

1. Open Verify+ by Kobetron™.
2. Select the "File" or "Directory" radio button option.
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.





Conclusion

Subject to the **Conditions of Evaluation**, GLI has determined that the below games submitted by NetEnt Gaming Solutions PLC comply with the requirements of the applicable Technical Standards in the jurisdiction of Romania Online, as regulated by National Office for Games of Chance (ONJN).

Game Name	Version
1. "Long Pao™"	1.6.0
2. "Long Pao Touch™"	

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

Sincerely,

Martin Britton
Managing Director

