



GLI®

GLI Europe BV

Diakenhuisweg 29-35
2033 AP Haarlem
The Netherlands

Tel +31 (0)88 220 6600
www.gaminglabs.com

Chamber of Commerce
Leiden nr. 28117769
VAT Identification number
NL 8184.73.393.B.01

RvA Registration Number of
Accreditation applicable to
this Report:

Testing	L372
---------	------

This report is only intended for recipients authorized by GLI. Please visit gaminglabs.com to view the applicable terms and conditions and GLI Product Certification Scheme. If the recipient does not agree to all of such terms and conditions or GLI Product Certification Scheme, GLI withdraws the certification or analysis established by this report and the recipient must immediately return to GLI all copies of this report and make no reference to this report for any purpose at any time.

Worldwide Locations

World Headquarters

Lakewood, New Jersey

International Offices

GLI Africa
GLI Asia
GLI Australia Pty Ltd
GLI Austria GmbH
GLI Europe BV
GLI Italy
GLI South America

U.S. Regional Offices

Colorado
Nevada

Report Type: Evaluation

Report Date: 24 October 2023

Issuing Laboratory: GLI Europe B.V.

Evaluating Laboratories: GLI Asia Ltd.
Alameda Douter Carlos do Assumpcao
No 335 a 341
Edf.i "Hot Line" H6, I6, J6,
Macao SAR
A2LA 2428.06

Report Recipient: SA Technology N.V.
Abraham de Veerstraat 9
Willemstad,
Curaçao

Jurisdiction: Isle of Man

Technical Standard(s) for Testing: The Gambling Supervision Commission's Statutory Document Number 731/07 Online Gambling (Systems Verification) (No. 2) Regulations 2007, laid before Tynwald 16 October 2007, coming into operation 31 August 2007

Software Supplier: SA Technology N.V.
Abraham de Veerstraat 9
Willemstad,
Curaçao

Submitting Party/ Licensee Name: SA Technology N.V.
Abraham de Veerstraat 9
Willemstad,
Curaçao

Product Tested: **Baccarat**
Dragon Tiger
Sicbo
Roulette

Request Date: As requested per submitter's request received on 13 October 2023.

Evaluation Period: 27 April 2017 / 25 October 2017

Internal Reference: MO-127-SA4-23-01

Testing Result: Subject to the Conditions of Evaluation section of this Report:
Recommended for Approval

Internal methods used reference: PC-TC-001
WIP 24



Software Product Details

GLI tested the following games during the evaluation:

Game Name
1. Baccarat
2. Dragon Tiger
3. Sicbo
4. Roulette

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

Client-Side Details	
Delivery Mechanism:	Desktop Web-based
Delivery Mechanism Type:	Flash
Testing Details	
Browsers and Versions Tested With:	Chrome 61.0.3163.100
Flash Versions Tested With:	27.0.0.130
Operating System(s) with Version:	Windows 7 Pro Professional (SP1)

**Software Product Details**

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

File Name	SHA-1 Checksum
Baccarat	
GamePlugin\GameLogic\Baccarat\GameStruct.h	C518F691D0DF1B90F3C62583D691BCBA0A632C85
Common\PokerGameLogic.h	EF24353201A2DA60F89952D2A982B3995403A820
Baccarat.cpp	19018C4EB49E7D8B03EAA8142B60C1598F91073F
AddCardProcess.as	2F795810C93BBC31B10674DE60B17525BF565808
LiveBaccarat.dll	B5FB26818F6FFCB4510C792CA69EE07DB2A5DC14
BACCARAT_MANILA.SWF	0D43CF3217DFBC99F8A02FC3A0585639B344EA68
BACCGAMERULE.SWF	99679AE527743120C1CAE567641E169D80F73AB0
Dragon Tiger	
DragonTiger.cpp	2FD6938F7E5BACD49DBDB8ED75A78E95307A0594
Common\PokerGameLogic.h	EF24353201A2DA60F89952D2A982B3995403A820
AddCardProcess.as	2F795810C93BBC31B10674DE60B17525BF565808
LiveDragonTiger.dll	9CAC7314FE0B325A04143D2781915428E39B4E94
DRAGONTIGERGAMERULE.SWF	78A5BC37FC45BDE0067834ACBD65FD6F06BBB4A5
Sicbo	
SicBo.cpp	6A0DBFE285A964502597D83906CB0FF9A3C8BFED
SicBo.as	B4038A5F97205DD0372930C44B6518DFB6426FDE
GamePlugin\GameLogic\SicBo\GameStruct.h	E83E9F4D80ED860AC0A4E37AA2E78FF2740F3C46
LiveSicBo.dll	876D928E8E4E78AFBE899F8C2456C9665A0558CD
SICBOGAMERULE.Swf	4ABF6A21518418E26FCB54E45BD91975956BB977
Roulette	
Roulette.cpp	844880AF2CFB4BB9C92003496AF4E45FA5BF5038
Roulette.as	9AD1F93B88F82971BAC69C6E4B6DCE44F8B1C1D3
GamePlugin\GameLogic\Roulette\GameStruct.h	C19C5B6826EA95819FA1E0257F12E31F464E2E0D
LiveRoulette.dll	063A71BDDAE7B7FDC0946DF704A886A1F78FECEA9
ROULETTEGAMERULE.SWF	83C2ED3FBDA92640DE6326BBF4A0EBC67994D68F



Games Evaluation

Descriptions of the submitted games are given below.

1. **Baccarat**
“Baccarat” is an online live dealer card game with a ‘Super Six’ feature
2. **Dragon Tiger**
“Dragon Tiger” is an online live dealer card game.
3. **Sicbo**
“Sicbo” is an online live dealer dice game.
4. **Roulette**
“Roulette” is an online live dealer Roulette game that uses 37 positions, of which 18 are red, 18 are black and 1 is green (zero).



Games Evaluation

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

- Software and System Version Control,
- Submitted Documentation Review,
- Artwork and Game Rules Review,
- Source Code Review,
- Game Accounting,
- Game Mathematics,
- Emulation Testing, and
- Jurisdictional Requirements Verification.

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	In Game %RTP	Supplier's Submitted %RTP	GLI's Game %RTP
Baccarat	70.02% - 98.94%	N/A*	70.02% - 98.94%
Dragon Tiger	67.23% - 96.27%	N/A*	67.23% - 96.27%
Sicbo	81.48% - 97.22%	N/A*	81.48% - 97.22%
Roulette	97.30%	N/A*	97.30%

*Documentation not supplied.

Note 1: SA Technology N.V. has communicated that they will display GLI's independently calculated %RTP values for the four live dealer games (Baccarat, Dragon Tiger, Roulette and Sicbo). It will be SA Technology N.V.'s responsibility for correctly implementing the display of the %RTP values on their platform's game help rules.

Note 2: During the evaluation, GLI performed supervised build and install processes on the SA Technology N.V. live dealer gaming software. However, at the request of SA Technology N.V., only partial critical source code and file signatures were submitted for evaluation.



Conditions of Evaluation

GLI's compliance evaluation of the games are subject to the following conditions:

GLI's compliance evaluation of the games were 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 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.

During the evaluation, the currency "CNY" was used for representing the betting amount, win/loss and balance.

Although these games can be configured for multi-national languages, only the English language versions were evaluated.



Conclusion

Subject to the Conditions of Evaluation, GLI has determined that the evaluated elements comply with the requirements of the applicable Technical Standard(s) of the aforementioned jurisdiction.

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

Sincerely,

James Boje
Managing Director EMEA
Executive