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RvA Registration Number of
Accreditation applicable to
this Report:

Testing L372

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Report Type: Evaluation

Report Date: 31 July 2024

Issuing Laboratory: GLI Europe B.V.

Evaluating Laboratories: Gaming Laboratories International, LLC
4720 Independence Street
Wheat Ridge, Colorado 80033
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A2LA 2428.04

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

Jurisdiction: Malta Online

Technical Standard(s) for Testing: Gaming Authorisations Regulations(SUBSIDIARY LEGISLATION 583.05) - Legal Notice 243 of 2018 (EN)
Directive 2 of 2018 - Player Protection Directive V3 – Jan 2023

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: Andar Bahar, Blackjack, Pok Deng, Xóc Đĩa, Teen Patti 20-20

Request Date: As requested per submitter's request received on 18 March 2024.

Evaluation Period: 26 March 2024 / 17 July 2024

Internal Reference: MO-127-SA4-24-01-332

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

Recommended for Approval

Internal methods used reference: WI-MA-002*
WIP 24 *

* The evaluation was conducted fully or partially by a subcontracted GLI office. Please refer to the abovementioned "Evaluating Laboratories".



Software Product Details

GLI tested the following games during the evaluation:

Game Name
1. Andar Bahar
2. Blackjack
3. Pok Deng
4. Xóc Đĩa
5. Teen Patti 20-20

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

Client-Side Details	
Delivery Mechanism:	Desktop Web-based
Delivery Mechanism Type:	HTML5
Testing Details	
Platform(s) and Version(s) Tested With:	https://gliclientlogin.s3.ap-east-1.amazonaws.com/index.html (frontend) https://99sabo3.sai.slgaming.net/ (backend)
Browsers and Versions Tested With:	Microsoft Edge Version 122.0.2365.92
Flash Versions Tested With:	Windows 10 Enterprise (64-Bit)



Software Product Details

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

File Name	SHA-1 Checksum
cpprest140_2_9.dll	8579FC2FEFCC590FFEE7C03CB79BC549F6A5F7C8
jsoncpp.dll	9E28C54B59D72D1D4ED1FCE2EC99E606DEDC A596
WebGameServer.exe	6BFEB CF4F6E2584EB6D8FDCB28468740D6251697

Games Evaluation

Descriptions of the submitted games are given below.

1. Andar Bahar

“Andar Bahar” is an online live dealer card game played with a standard deck of 52 cards. The game offers various bet types with odds to predict the card is drawn from Andar spot or Bahar spot and predict the result for various bet types.

2. Blackjack

“Blackjack” is an online live dealer card game played with 8 decks of 52 cards. The objective of the game for the player is to achieve a higher point total in the player hand(s) than the dealer hand without the point total exceeding 21.

3. Pok Deng

“Pok Deng” is an online live dealer card game played with 8 decks of 52 cards. Each of the dealer and player hands receives two cards per game round and a point is computed for each hand based on its card combination. The objective of the game for the player is to achieve a higher point in the player hand(s) than the dealer hand.

4. Xóc Đĩa

“Xóc Đĩa” is a Vietnamese game played with 4 tokens inside a shaker. Each token has a red side and a white side. The objective of the game is to predict the combination of face-up coloured sides after shaken.

5. Teen Patti 20-20

“Teen Patti 20-20” is an online live dealer card game played with a standard deck of 52 cards. Three cards are dealt to Player A and Player B respectively in each game. The objective of the game is to predict which hand is the winning hand by the ranking of poker hands.



Games Evaluation

GLI's game Evaluation of SA4's "Andar Bahar, Blackjack, Pok Deng, Xóc Đĩa, Teen Patti 20-20" 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 aforementioned Technical Standards:

- **Software Version Control**
 - Supervised Build and Install, and
 - Gathering of Checksums.
- **Game Payouts Evaluation**
 - Submitted Documentation Review,
 - Artwork and Game Rules Review,
 - Source Code Review,
 - Game Accounting,
 - Game Mathematics,
 - Emulation Testing, and
 - Verification of Jurisdictional Requirements.

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	Supplier's Submitted %RTP	GLI's Game %RTP	GLI's Method of Analysis
Andar Bahar	76.21% - 98.59%	76.21% - 98.59%	Analytical
Blackjack	89.64% - 99.39%	89.64% - 99.39%	Analytical
Pok Deng	89.64% - 98.75%	89.64% - 98.75%	Analytical
Xóc Đĩa	93.75% - 98.75%	93.75% - 98.75%	Analytical
Teen Patti 20-20	5.64% - 97.50%	5.64% - 97.50%	Analytical



Conditions of Evaluation

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

GLI's compliance evaluation of SA4 "Andar Bahar, Blackjack, Pok Deng, Xóc Đĩa, Teen Patti 20-20" game 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 game evaluation.

GLI only tested the requirements related to "Andar Bahar, Blackjack, Pok Deng, Xóc Đĩa, Teen Patti 20-20". During the GLI evaluation, SA4 did not provide any Platform or Back office for testing. Hence this game must be operated under jurisdiction approved platform/back office which can fulfil and provide all the jurisdiction requirements of platform/back office.

Although this game may be configured for multi-national languages, only the English language version was evaluated.

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 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