



GLI®

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

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U.S. Regional Offices

Colorado
Nevada

Report Type: Evaluation and Certification

Report Date: 17 February 2021

Issuing Laboratory: GLI Europe B.V.

Evaluating Laboratories: GLI Italy B.V. - Filiale Italiana
(Sede di Padova)
Via Ampezzon, 4/G
35010 Villanova di Camposampiero – PD
Italy

GLI UK Gaming Ltd
Llys Helyg, Ffordd y Llyn,
Parc Menai, Bangor,
Gwynedd, LL57 4EZ
United Kingdom

Report Recipient: PragmaticPlay Ltd.
144 Tower Road,
Sliema - SLM 1604,
Malta

Jurisdiction: UK Remote

Technical Standards for Testing:

- Remote Gambling and Software Technical Standards (February 2021).
- Testing Strategy for Compliance with Remote Gambling and Software Technical Standards February 2021.

Software Supplier: PragmaticPlay Ltd.
144 Tower Road,
Sliema - SLM 1604,
Malta

Submitting Party/ Licensee Name: PragmaticPlay Ltd.
144 Tower Road,
Sliema - SLM 1604,
Malta

Product Tested: Fantastic League v2.03.01

Request Date: As requested per submitter's request received 9 December 2020.

Evaluation Period: 20 January 2021 / 15 February 2021

Internal Reference: MO-246-PPL-20-63

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

Internal methods used reference: WI-EN-010, WI-EN-012, WI-EN-013, PC-TC-001, WIP 24, WI-EN-023, WI-EN-477, WI-EN-052, WIP-33, SOP-MA





Software Product Details

GLI tested the following game during the evaluation:

Game Type	Game Name	Version
Virtual Sports Game	"Fantastic League"	2.03.01

The game was 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:	PragmaticPlay Ltd. Virtual sports games server v2.03.01
Browsers and Versions Tested With:	Chrome Version 87.0.4280.88 (Official Build) (64-bit)
Operating System(s) with Version:	Microsoft Windows 10 Professional 64-bit





Software Product Details

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

File Name	SHA-1 Checksum
APPLICATION.CPP	7B53A830F241B80D5E58C28CCD13889DFDD9289D
APPLICATION.H	917A4A7C14D1F1EAFCE4749CE1F83BF66D7D5133
APPLICATION_PCH.CPP	4434187AEB64821A51F47C8A7FCBA320A6E65F98
APPLICATION_THREAD.CPP	B344E2EE703801FA1F3A09B2A0D595B7DA752FA7
APPLICATION_THREAD.H	FCEFBDA79E8CC08B30A7248F442CE2BDE0032EC6
BET.CPP	D28933D61CB1A98A3A9C231287550600D7E3D7C1
BET.H	29D2604390CAD46D1734D6C6E61000F71C77A574
FOOTBALLMATCHRESULT.CPP	E55569785CD2292AC39263D8167F33832E6EE9BD
FOOTBALLMATCHRESULT.H	E29C5535493A5034304C88D2AE5DFF44166C70CE
FOOTBALLODDSHelper.CPP	AE12855AC66585CE9D95015CD245698BE4FBB58C
FOOTBALLODDSHelper.H	2ACFDCA2EA636A69843708CED516F8F732129A3
FOOTBALLODDSPROBABILITY.CPP	44963EA09C6EB81C5EEEB053E928143A06AF816C
FOOTBALLODDSPROBABILITY.H	66CB56F05AA819C92200CA2837D4188508F07C0F
GAMESERVER_DB_TABLE_INDEXES.SQL	5937422FBAF3E13C189D73344365D7D6D2F6E389
MATCHRESULT.CPP	CCE07056AC6A6DC96DDEA53F7540E15106391387
MATCHRESULT.H	B382DC5F7FD0C490EDAEE67FC7685D6112CA116
MSS_CREATE_SCHEMA.SQL	E3049391EFAE224C8FB8EF3DD41209D2D168B6D6
MSS_INSERT_DATA.SQL	32E314626D5F69E3AD64BC1EE6191C2FDBFBEE4
SEASONODDSPROBABILITY.CPP	DCBD8BABB3C5F8863ACCEA91CD166D8226693831
SEASONODDSPROBABILITY.H	B52EE934A698D164971F6621AEE000FB1679B60A
SEASONWEEK.CPP	89AE3C30B4D9C7C096397CD9EB3B87FB5D4E64AC
SEASONWEEK.H	3350A77055E9C521A351932D9FB223458093FE4D
SERVICE.CPP	3AB93B89014826401E3BE4B6AE9A11F95FEFE77F





Game Evaluation

A description of the submitted game is given below.

"Fantastic League" v2.03.01

"Fantastic League" is a virtual sport game in which player can bet on 2 different teams before the match begins. The game offers different bet options: 'Match Result', 'Correct Score', 'Total Goals', 'Double Result', 'Yellow Card in Match', 'Penalty in Match', '1st Team to Score', 'Time of the 1st Goal', '1st Goalscorer', 'Double Chance'.





Game Evaluation

GLI's Game Evaluation of the game 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:

- Submitted Documentation Review,
- Software Verification,
- Source Code Review,
- Artwork and Game Rules Review,
- Game Accounting,
- Game Error and Event Handling,
- Math Evaluation and
- Emulation Testing.

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

Game Name	Supplier's Paytable ID	In Game %RTP	Supplier's Submitted %RTP	GLI's Game %RTP
"Fantastic League"	N/A	92.00%	92.00%	92.00%

The number(s) listed here are representative of the mean value(s) calculated following a collection of uniform sample sizes taken over a simulation of at least 100,000,000 games played. Since the value(s) listed here fall within the expected confidence intervals surrounding the manufacturer calculated return percentage(s) it can be derived that the manufacturer value(s), also listed within this table, would be an accurate assessment of the game's expected return to player.





Conditions of Evaluation

GLI's compliance evaluation of the game is subject to the following conditions:

The game uses the UK Remote RNG previously approved in Report RN-246-PPL-20-01, issued on 17 July 2020.

The digital signatures of the software files listed in this Report are expected to match those in the live environment.

GLI's compliance evaluation of the 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.

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 has performed an evaluation only on articles 7B, 7C, 7E, 5A of the RTS based on receiving confirmation from the license holder that they comply with the guidelines of good practice as stipulated in section 6 of the "Testing strategy for compliance with remote gambling and software technical standards", titled "In-house development, testing and release - good practice."

GLI has independently confirmed the theoretical return to player (RTP) of the game mathematics model and has verified that the RNG calls, payable coding and symbol mapping have been correctly implemented in the game source code. While GLI has performed strategic emulation of the actual game to verify the highest award and bonus awards, not all game payouts were verified. Accordingly, GLI cannot guarantee that the payable and results displayed to the player correspond to the expected payouts in all cases. Should a more extensive verification of the payouts be required, please contact GLI for more information.

The RTPs listed are an example for a fixed margin, the margin is configurable by the operator.

GLI's evaluation to the Technical Standards was limited only to the requirements applicable to the game.

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 Standards of the aforementioned jurisdiction.

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

Sincerely,

Martin Britton
Managing Director

