



<b>Date of Report:</b>	01 September 2023
<b>Issuing Laboratory:</b>	GLI Europe B.V. Diakenhuisweg 29-35 2033AP Haarlem The Netherlands
<b>Report Recipient:</b>	Swiss Federal Gaming Board Eigerplatz 1 CH-3003 Bern Switzerland
<b>Jurisdiction:</b>	Switzerland Online
<b>Technical Standards for Testing:</b>	<ul style="list-style-type: none"><li>• Certification Protocol Based on the Ordinance on Gambling (OJAR) 7 November 2018 Classified Compilation of Federal Legislation 935.511 and the Ordinance on Casinos (OMJ) 7 November 2018 Classified Compilation of Federal Legislation 935.511.1</li><li>• (Version 1.1 – 01.10.2019)</li></ul>
<b>Software Suppliers:</b>	Arrise Solutions (Malta) Limited Block E, Falcon House High Street, Sliema SLM 1544 Malta
<b>Submitting Party:</b>	Arrise Solutions (Malta) Limited Block E, Falcon House High Street, Sliema SLM 1544 Malta
<b>Products Tested:</b>	Big Bass Crash
<b>File Numbers:</b>	MO-246-PPD-23-07

**Testing Results:****Complies****Report Type:**

Evaluation and Certification

**Request Date:**

18-July-2023

**Evaluation Period:**

24-July-2023 - 31 August-2023

**Manufacturer:**

- Arrise Solutions (Malta) Limited  
Block E, Falcon House  
High Street, Sliema SLM 1544  
Malta

**ISO/IEC 27001 Report Number:**

44 121 21 00 02 Please refer to the Comments section for additional information.

**Product Type:**

Automated Money Game

**Live Game:**

No

**Version of the Product Tested:**

1.66.123

**Evaluating Laboratories:**

GLI Italy GLI Italy B.V. - Filiale italiana (Sede di Padova) Via Ampezzon, 4G 35010 Villanova di Camposampiero – PD Italy	GLI Africa (Pty) Ltd 7 River Road, River View Park Janadel Avenue, Halfway Gardens Midrand South Africa
GLI Europe B.V. Diakenhuisweg 29-35 2033AP Haarlem The Netherlands	•GLI UK Gaming Ltd Llys Helyg Ffordd y Llyn, Parc Menai Bangor Gwynedd LL57 4EZ United Kingdom



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## Comments

Arrise Solutions (Malta) Limited is ISO 27001 certified with certificate registration number 44 121 21 00 02-004 issued on 29 March 2021, with expiration date on 28 March 2024.

GLI tested the following game during the evaluation:

Component/Game Name	Program ID	Server Version	Client Version	iOS Version	Config Version
1: Big Bass Crash	N/A	1.66.123	--	--	--

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	N/A
Browser(s) and Version(s) Tested With	Google Chrome Desktop (116.0.5845.97), Google Chrome Google Mobile Emulator (116.0.5845.97)
Flash Version(s) Tested With	N/A
Operating Systems(s) With Version	Windows Enterprise Desktop (21H1)
Mobile Device(s)	N/A
iOS Client(s)	N/A

In order to verify the version currently deployed for Pragmatic Play Ltd.'s game, these steps should be followed.

For Desktop devices:

1. Login to the operator's portal;
2. Open the game;
3. Press the Game help button located on the upper-right side of the interface;
4. The current game version is displayed in the bottom part of the pop-up window.

For Mobile devices:

1. Login to the operator's portal;
2. Open the game;
3. Press the burger menu button located on the upper-right side of the interface and choose Game Help;
4. The current game version is displayed in the bottom part of the pop-up window.

Please note that the numbering format used in this Report utilizes the comma symbol (,) for the thousands separator and the decimal point (.) as a fractional separator (example: 1,000.30 = one thousand point thirty).



## Conditions

There are no Conditions applicable to this Report.

**General Online Gaming Characteristics**

	Answer	Settings or remarks
Verified communication protocol(s)	N/A	This is a product for the online market.
Online game uses hardware based RNG	No	The RNG is software-based and has been approved in report RN-330-PPL-21-01-567 dated 29 June 2021.

## Jackpots

	Answer	Settings or remarks
A game with jackpot is available	No	No jackpot is present.
The jackpot may be managed by an internal and/or by an external jackpot system.	N/A	No jackpot is present.
Limitation of the jackpot is available	N/A	No jackpot is present.
Jackpot wins are added on the game's accounting	N/A	No jackpot is present.



## Paytables

Paytable ID	Jurisdictional ID	Theoretical Payback [%]	Max Bet [CHF]*	Advertised Top Award at Max Bet [CHF]**
Big Bass Crash	N/A	95.50	100	500,000

Description of the max bet and top award calculation:

\* The max bet depends on the bet configuration of the game.

\*\*The top award calculation has been calculated through emulation test. Top Award is calculated depending on prize scheme.

### Max Win Including All Features

	Answer	Settings or remarks
Max win (incl. all features + gamble)	500,000 CHF	Max win is calculated considering a max bet of 100 CHF and the maximum multiplier in game 5,000x
Limits on possible wins are used (preventive limitation)	No	No limits on possible wins are used.
Capping method is used (corrective measure)	No	No capping can be set.

## Software Product Details

Product ID	Function	Size (bytes)	SHA-1 Signature
/bea/domains/casino/servers/Casino/upload/CasinoEAR/app/GameServer-X.XX.XX.war/WEB-INF/lib/critical.jar/com/extremelivegaming/game/critical/BetCodeVO.class	GameModule	1,536	1E0C535C5357F06538B84B936AA34670D86BB931
/bea/domains/casino/servers/Casino/upload/CasinoEAR/app/GameServer-X.XX.XX.war/WEB-INF/lib/critical.jar/com/extremelivegaming/game/critical/ResultCodeVO.class	GameModule	989	F7FF44C528A4C6F22A90E936CC299C497045D6B3
/bea/domains/casino/servers/Casino/upload/CasinoEAR/app/GameServer-X.XX.XX.war/WEB-INF/lib/critical.jar/com/extremelivegaming/game/critical/SpaceManRNGObject.class	GameModule	1,370	D060B63B5707666CE67386EB89E95C311BFA2EBF
SpacemanFirstLevelRngConfiguration	GameModule	14,783,353	8DB017E2163384EF1A8AEFCEACCB72F4AF5F8BC3
SpacemanSecondLevelRngConfiguration	GameModule	52,590,756	868735FD0446E6F561C41AAA9328D1CFC8BF23D



## Compatibility Statements

The RNG has been approved in report RN-330-PPL-21-01-567 dated 29 June 2021.

## Software Signature Verification

GLI generated the checksums of the software and source code files 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.

## Product Characteristics

A description of the submitted software is listed below.

### 1. Game Name:

Big Bass Crash

"Big Bass Crash" is crash game. The objective is to collect the highest possible win before the multiplier crashes. The player can collect the current win at any given moment using the "CASHOUT" or "CASHOUT 50%" buttons.

The player can also choose a value for "Auto Cashout" or "50% Auto Cashout" which will perform automatic cashout, without the intervention of the player, if the current value in game exceeds the set by the player value. The game contains an Autoplay feature.

## Gaming Rules

	Answer	Settings or Remarks
Gaming rules (help) comply fully with art. 30 OMJ	Yes	Help contains all the information required to comply with art. 30 OMJ = betting limits can be seen by selecting different bet options.
Limitation is transparent to the player	Yes	Limitations built in the game are transparent to the player.
Capping is transparent to the player	N/A	There is no capping implemented on base game.
Languages provided for the gaming rules	→	English
Languages verified by the laboratory	→	English

**Affirmative Statement of Compliance for machines to be operated in Swiss casinos**

I hereby state on behalf of GLI Europe B.V. that the Product(s) listed on page 1 of this Report have been tested and evaluated as set out in the Applied Tests section in conformance with the requirements of the RvA accreditation (Accreditation for ISO/IEC 17065 and ISO/IEC 17025), and Certification Protocol based on the Ordinance on Gambling (OJAR) RS 935.511 and the Ordinance on Casinos (OMJ) RS 935.511.1: Version 1.1 – 01.10.2019 and was found to conform with it.

Technical Evaluation authorized by:

A handwritten signature in black ink, appearing to read "M. Britton", is positioned below the text "Technical Evaluation authorized by:". The signature is fluid and cursive.

Martin Britton

Managing Director





Applied Tests

Product ID	Reference No	Results	Additional Details
Big Bass Crash	PC-TC-001, WI-EN-010, WI-EN-023, WI-EN-477, WIP 24, WI-EN-013, WI-EN-052, SOP-MA: Math	Pass	Internal Reference: MO-246-PPD-23-07-567