



Client Name Thunderkick Malta Ltd  
 Client Address Level 5, The Mall Complex  
Floriana, Malta  
 Client Contact Person Sven Grip  
 Test item Esqueleto Explosivo  
 Test item type Game (video slot) – HTML5  
(Desktop and Mobile)  
 Test item code G002  
 Test item release Revision: 1.4.0  
 Test item payout 96.00%  
 Test item components Ref to Annex report

**Standard report****Online casino****Testing standards – SCP.01.03.EN.1.0.SR**

[X] Initial full certification

[ ] Renewal of certification based on SCP06.00.EN

**Standard report for inspection standards for****online casino**

<b>Certification dates</b>	Previous certification	Current certification	Expected date for the <i>next</i> certification
	<u>N.A.</u>	<u>26/02/2016</u>	<u>N.A.</u>

Requirements for personnel at the testing organisation supervising and attesting the certification

To ensure that the necessary qualifications are in place during the certification the testing organisation and their staff shall be able to document that the minimum requirements are fulfilled.

The employee(s) of the testing organisation can only supervise and attest the certification when the testing organisation fulfils the following requirements:

- Shall have at least three years' experience in inspecting gambling systems or a similar closely related subject area,
- Shall work on the basis of the ISO/IEC 17020 accreditation and/or ISO/IEC 17025 accreditation, which refers to the requirements of SCP.01.03.EN.1.0, and
- Shall ensure that staff with sufficient qualifications will carry through the certification.

<b>Testing organisation</b>	Name <u>Quinel M Ltd</u>	Telephone number <u>+356 2713 1412</u>
	Address <u>Luxe Pavilion, Level 2, Portomaso Complex</u>	
	Postal code and city <u>STJ4010 St. Julians, Malta</u>	CVR-/SE-no. <u>N.A.</u>
	Contact person/E-mail address <u>Matteo Ferrarini, matteo@quinel.com.mt</u>	
	Does the testing organisation have a valid accreditation? <input checked="" type="checkbox"/> Yes - enclose documentation <input type="checkbox"/> No	

The employee(s) shall ensure that the certification is carried out to adequate professional standards and shall supervise and attest the certification.

A number of employees who in conjunction fulfil the requirements can supervise and attest the certification together.

<b>Employee</b>	Name <u>Matteo Ferrarini</u>	Telephone number <u>+39 0521 627301</u>
	Address <u>Via Prampolini, 28</u>	

Postal code and city <u>43044 Lemignano di Collecchio, Italy</u>	CPR-/ID-no. <u>N.A.</u>
E-mail address <u>matteo@quinel.com.mt</u>	

**Requirements for employees**

a) The supervisor shall have a relevant education background or in other ways prove relevant qualifications

Name <u>Matteo Ferrarini</u>	
Education <u>M.Sc. – Mathematics</u>	Period <u>2005</u>
Other relevant qualifications <u>ISACA – CISA</u>	Period <u>2014</u>

b) The supervisor shall be certified as

International Information Systems Security Certification Consortium (ISC) 2 Certified Information Systems Security Professional (CISSP)

☐ Yes ☒ No

Name

Does the employee have five years of professional experience in inspecting gambling systems or a similar closely related subject area for an accredited or certified organisation  
☒ Yes ☐ No - fill in section c

Payment Card Industry (PCI) Qualified Security Assessor (QSA)

☐ Yes ☒ No

Name

Does the employee have five years of professional experience in inspecting gambling systems or a similar closely related subject area for an accredited or certified organisation  
☐ Yes ☒ No - fill in section c

Information Systems Audit and Control Association (ISACA) Certified Information Systems Auditor (CISA)

☒ Yes ☐ No

Name

Does the employee have five years of professional experience in inspecting gambling systems or a similar closely related subject area for an accredited or certified organisation  
☒ Yes ☐ No - fill in section c

c) Information concerning a supervisor with five years of professional experience in inspecting gambling systems or a similar closely related subject area for an accredited or certified organisation

Name

Education	Period
Qualifications and experience with inspection gambling systems	Period
Qualifications and experience with inspection gambling systems	Period

**Supplier**

It is the responsibility of the licence holder that their supplier(s) are certified. The testing organisation shall insure that the supplier(s) of the licence holder is certified to the Danish certification programme in a period covering the previous certification on to the current certification.

Is/are the supplier(s) of the licence holder certified?

☐ Yes - documentation has been presented ☒ No

Name of the supplier of the licence holder

Name of the supplier of the licence holder

Name of the supplier of the licence holder

Name of the supplier of the licence holder

Name of the supplier of the licence holder

**3 Requirements for the testing of gambling functionality**

In the table below it shall be recorded whether the various requirements have passed assessment. If the assessment of the requirement is not a pass the requirement shall be added to the list in appendix I with a description of why the requirements failed to pass assessment as well as when the failure was or is expected to be remedied. It is important that all failures are recorded even if the failure has been remedied before the submission of the certification report to Danish Gambling Authority. A description of the requirements can be found in the *Testing Standards for Online Casino*.

**3.1 Deriving game symbols and events**
**3.1.1 Random Number Generator suitability for generating results**

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.1.1.1					[X]
3.1.1.2					[X]
3.1.1.3					[X]
3.1.1.4					[X]
3.1.1.5					[X]
3.1.1.6					[X]
3.1.1.7					[X]

**3.1.2 Random Number Generator suitability for generating results**

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.1.2.1					[X]
3.1.2.2					[X]
3.1.2.3					[X]
3.1.2.4					[X]

3.1.2.5					[X]
3.1.2.6					[X]
3.1.2.7					[X]

### 3.1.3 Degrees of freedom and mapping

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.1.3.1					[X]
3.1.3.2					[X]
3.1.3.3					[X]
3.1.3.4					[X]
3.1.3.5					[X]
3.1.3.6					[X]
3.1.3.7					[X]

### 3.1.4 Degrees of freedom and mapping

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.1.4.1					[X]
3.1.4.2					[X]

### 3.1.5 Seeding

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.1.5.1					[X]

### 3.1.6 Security

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.1.6.1					[X]

## 3.2 Gambling functionality

### 3.2.1 General

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.2.1.1	[X]				

### 3.2.2 Games without stakes

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.2.2.1	[X]				

### 3.2.3 Accurate representation of chance

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.2.3.1	[X]				
3.2.3.2	[X]				
3.2.3.3	[X]				
3.2.3.4	[X]				

## 3.3 Jackpots

### 3.3.1 Jackpots

Req.	Pass	Pass Remedied (submit detail)	Pass Risk assessment (submit detail)	No (submit detail)	N/A (submit detail)
3.3.1.1					[X]
3.3.1.2					[X]
3.3.1.3					[X]
3.3.1.5					[X]
3.3.1.4					[X]

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**Further  
information**

Other information relevant for the Danish Gambling Authority shall be stated in the appendix.

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**Declaration and signature**

By my signature below I declare that the information supplied in this certification report is correct. I acknowledge that missing information or deliberate misinformation can lead to the certification report being rejected. Any changes in the supplied information shall be forwarded to the Danish Gambling Authority without delay.

Date

Signature



26/02/2016

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*Standard report - Appendix*  
**Online Casino**  
 Testing standards - SCP.01.03.EN.1.0.SR

Appendix to Standard report for testing standards for online casino

Req.	Req. status	Comments
3.1.1.1 – 3.1.1.7	N.A.	Refer to certificate issued at platform level for results of testing performed over core RNG testing.
3.1.2.1 – 3.1.2.7	N.A.	A unique RNG instance is used (core RNG) wherever a random symbol is used without regards of the usage.  Refer to certificate issued at platform level for results of testing performed over core RNG testing
3.1.3.1 – 3.1.3.7	N.A.	Refer to certificate issued at platform level for results of testing performed over core RNG testing
3.1.4.1	N.A.	Software based RNG
3.1.4.2	N.A.	Refer to certificate issued at platform level for results of testing performed over core RNG testing
3.1.5.1	N.A.	Refer to certificate issued at platform level for results of testing performed over core RNG testing
3.1.6.1	N.A.	Refer to certificate issued at platform level for results of testing performed over core RNG testing
3.3.1.1 – 3.3.1.5	N.A.	Not applicable for this game type

## Product Tested and Critical files

### Client package main components

SHA1	Critical	Type (Game)	Test item	Filename
2c9857e533d41a9c6b264d9265139a9a31a312cf	No	UI	G001 - Magicious	assets\config\defaultInitData.json
1cae7ee8c8786a9ab550c702d176eaa963d0e815	No	UI	G001 - Magicious	assets\config\gameTweaker.json
c8e5f4c8f6c7898b34dd662b4d09ac16793654b9	No	UI	G001 - Magicious	assets\config\kickstartConfig.json
3159c4a0f2a2a7a9b7abb00c389e334361d565f9	No	UI	G001 - Magicious	assets\fonts\boku2-bold-webfont.woff
a4cd882de4be579442427a18fca43fefa49243d9	No	UI	G001 - Magicious	assets\fonts\verlagcombined-webfont.woff
5f300a8710d93c1db9d2b8206118badbd13ced01	No	UI	G001 - Magicious	assets\gui.css
8a06eb23547a8d5f753ce40c05b5389ca9666a5a	No	UI	G001 - Magicious	assets\gui\jp.css
fb646aabd1747f64d557cd8ff17e9358d378dcd7	No	UI	G001 - Magicious	assets\locales\locale_magicians_en.json
e09d2cf0068da5f794a715e9036a757e5c1cbc48	No	UI	G001 - Magicious	libs\brim\brim.js
99747563807058b837a7e848c1b248f33b208ae8	No	UI	G001 - Magicious	libs\greensock\ easing\EasePack.min.js
6cee618bd74b38a873c011bdf910708ca3327bae	No	UI	G001 - Magicious	libs\greensock\greensock.d.ts
3a4abb808813fd0132cee6a3fe7e19794f2752e7	No	UI	G001 - Magicious	libs\greensock\jquery.gsap.min.js
f5db2c2942dc513283f623db805574fc5387022c	No	UI	G001 - Magicious	libs\greensock\plugins\AttrPlugin.min.js
89f7b95326fc2cd631f3ebb2a9ff8f76a907e6c	No	UI	G001 - Magicious	libs\greensock\plugins\BezierPlugin.min.js

SHA1	Critical	Type (Game)	Test item	Filename
c6abe33e302c6d39fae1d1034aeaa46308fbd4f	No	UI	G001 - Magicious	libs\greensock\plugins\ColorPropsPlugin.min.js
fab3cc03f75dbfd0d9e2616deab6a5a31c8836fd	No	UI	G001 - Magicious	libs\greensock\plugins\CSSPlugin.min.js
28d5811d2aa4b03d6ea01c8cf2d70dd9ba82290c	No	UI	G001 - Magicious	libs\greensock\plugins\CSSRulePlugin.min.js
73a9a702948e15f9586f5da5ad6bebac0aa2c464	No	UI	G001 - Magicious	libs\greensock\plugins\DirectionalRotationPlugin.min.js
5f4d8dcc747efaf9fe87c27584526c98f9da40ce	No	UI	G001 - Magicious	libs\greensock\plugins\EaselPlugin.min.js
329c1747a34db7b295308cc2cdd23ba40aad7121	No	UI	G001 - Magicious	libs\greensock\plugins\EndArrayPlugin.min.js
500bc4e09a9a0e5526141952d6a9145a53dfd21a	No	UI	G001 - Magicious	libs\greensock\plugins\KineticPlugin.min.js
002baeaca4d6f883daef497c7fe87cd11e046798	No	UI	G001 - Magicious	libs\greensock\plugins\RaphaelPlugin.min.js
347c6bf76de9a766ba9dcfb68bec2d0f79cd9fd4	No	UI	G001 - Magicious	libs\greensock\plugins\RoundPropsPlugin.min.js
3281eaa9fe66d882602cb88b7b2e51d5b5c3b2ac	No	UI	G001 - Magicious	libs\greensock\plugins\ScrollToPlugin.min.js
899560369b06c9747fd5ff24361ed42b0f70f7d0	No	UI	G001 - Magicious	libs\greensock\plugins\TextPlugin.min.js
28ba34ee7c104a68eed809d36084e0c7a2145b81	No	UI	G001 - Magicious	libs\greensock\plugins\ThrowPropsPlugin.min.js
493fc53180bb2fa074a8fed3d715c7e4083e34fb	No	UI	G001 - Magicious	libs\greensock\TimelineLite.min.js
a274f61850858d3624ab188c6daf01547bd01a13	No	UI	G001 - Magicious	libs\greensock\TimelineMax.min.js
396090de5d22ded65a944966c5a60bd7fdc2cae3	No	UI	G001 - Magicious	libs\greensock\TweenLite.min.js
2c1c26d619f4345eec0012abdc6a449ec9a4c342	No	UI	G001 - Magicious	libs\greensock\TweenMax.min.js
a5963edaf5e3716f4c0940b18bd769c123f7c9eb	No	UI	G001 - Magicious	libs\greensock\utils\Draggable.min.js
e2c4588c51efdd28b92d09f38a41afebca129b06	No	UI	G001 - Magicious	libs\jquery\fastclick.js
4fbe0563917d6f6289e4e1b4a0a8758e4e43bda9	No	UI	G001 - Magicious	libs\jquery\jquery-1.11.1.min.js
56e095f15c362a696339b71b4f74f08941ce9ea8	No	UI	G001 - Magicious	libs\jquery\jquery-ui.css
dd694dcd0bedcaa2b48ce65d3e9bf2c99998a07f	No	UI	G001 - Magicious	libs\jquery\jquery-ui.min.js
6d662362ad71543568cc9149479a2e763e2f02f6	No	UI	G001 - Magicious	libs\jquery\jquery.d.ts
98684caa26902cb10adccf8e5d63691397096f4e	No	UI	G001 - Magicious	libs\jquery\jquery.kinetic.js
da77a3e9a630a093f9ff2db690c921a1f0345c83	No	UI	G001 - Magicious	libs\jquery\jquery.textfill.min.js
7451812d9dc5053bbe657e8f7a12f29bb6d1a625	No	UI	G001 - Magicious	libs\jquery\perfect-scrollbar.jquery.js
41a0b39c1eb256dff28c03e27770c470d8b00c82	No	UI	G001 - Magicious	libs\jquery\tappy.js
f3e28ca572dca3fd02d7488bcf1e107b66ff49fc	No	UI	G001 - Magicious	libs\phaser\p2.d.ts
926d8aba42cea8f9712539514acd76862d668e2b	No	UI	G001 - Magicious	libs\phaser\phaser.d.ts
c34a93312e0c9ea989b586c6dd3e52a16842285a	No	UI	G001 - Magicious	libs\phaser\phaser.js
b72d011812d1d67c7bf9aa465ceb3c4bbe76ba41	No	UI	G001 - Magicious	libs\phaser\phaser.map
e59cd618bc9982eec14f524135d127d850276d69	No	UI	G001 - Magicious	libs\phaser\phaser.min.js
c309c5b095579c2ac96193414dcc3ff134502152	No	UI	G001 - Magicious	libs\phaser\pixi.d.ts
4ffbe5c3350ca50cfe544572d9e1f138e2fe19b5	No	UI	G001 - Magicious	libs\requirejs\require.d.ts
9a09fd93bcf9722f218a9c6c561e01903e9eb101	No	UI	G001 - Magicious	libs\requirejs\require.js
92cd14ba9dbb31dd7daaaa55acfb5b4e1c6b00e	No	UI	G001 - Magicious	libs\scream\scream.js
d93488cc0c37cb62daa152d0b08dd94ed64be1d8	No	UI	G001 - Magicious	app.css
e4b6fd8a197e6bcb7d80d79d4392703b54b0a73c	No	UI	G001 - Magicious	commons.js
df696774c7b0c22ac85600d2b7b1b22aaa4c1635	No	UI	G001 - Magicious	game_gui_html.js
884412ea7777c3561723701e9461f0c95bc46c78	No	UI	G001 - Magicious	magicians_mobile.js
d856d7f5ccbfad850f894aa653d76f5f929f2d94	No	UI	G001 - Magicious	require_config.js



SHA1	Critical	Type (Game)	Test item	Filename
beb53291e9604ac46b293c5bdc7ed22a3d7a9d5a	No	UI	G001 - Magicious	buildInformation.json

### Server side components

SHA1	Critical	Type (Game)	Test item	Filename
711d9806526c83de7746a0c13543ef54b7a70045	Yes	Configuration	G001 - Magicious	game.slot.vanilla.magicians-a
44c52f6e6c64dc439f2b12923f679e0f12a80d9c	Yes	RNG (*)	N.A.	com\thunderkick\rng\mersennetwister\MersenneTwister32.java
69c5171ee4c1e2c3d79b5ef1cd75f7be97cd91a1	Yes	RNG (*)	N.A.	com\thunderkick\rng\RandomNumberGeneratorInterface.java
c869c433eb78763adf57e9e682dca0a96cfad66	No	Simulator (**)	All	com\thunderkick\game\simulation\Boot.class
2f18aa7ad5d53df1fbc81acc5a865e5d73a8c8f4	No	Simulator (**)	All	com\thunderkick\game\simulation\ShutdownHook.class
78a6ba4da89a47a67e2543ec099454ab9504c9b9	No	Simulator (**)	All	com\thunderkick\game\simulation\SimulationService.class
8459e576bd975bb5b856abcf4a5be7e664615352	No	Simulator (**)	All	com\thunderkick\game\simulation\SimulationServiceConfiguration.class
7ca008d851f52fa88c08f5370fd0a81dff179b0d	No	Simulator (**)	All	com\thunderkick\game\simulation\worker\AbstractWorker.class
d2d9aea1507e7d0f777086c7459d2886b8597765	No	Simulator (**)	All	com\thunderkick\game\simulation\worker\Worker.class
9e9326eb17de87ac2bc3780a6878f840bb185718	No	Simulator (**)	All	com\thunderkick\game\simulation\worker\WorkerEvent.class
433fca336c00c6ad2b9222e6f2a10b077f47a070	No	Simulator (**)	All	com\thunderkick\game\simulation\worker\WorkerWrapper.class
38723021d25c5bb5df134a6e3ab10bc75ca9e421	Yes	Game logic	All	thunderkick-game.jar
521c046d478012a559f560c5e04bf193f976ab6b	Yes	Game logic	All	thunderkick-game-vanilla.jar
d134941e1cfeef60734675dfa156ffbbad7f857b	Yes	Game logic	G001 - Magicious	thunderkick-game-vanilla-magicians.jar
70ce382579a322c4416a589def9903de5a54374f	Yes	RNG (*)	All	thunderkick-rng.jar

### Notes:

(\*) – Files are the sources reported into Level 1 compliance report of RNG.

(\*\*) – Files are included into ‘thunderkick-game-simulation.zip.jar’ archive, which may be subject to different sha1 at each deploy because of different auxiliary files even though the source codes are left untouched (i.e. manifests)

END OF  
COMPLIANCE  
REPORT