



Client Name	Thunderkick Malta Ltd
Client Address	Level 5, The Mall Complex Floriana, Malta
Client Contact Person	Sven Grip
Test item	Fruit Warp
Test item type	Game (video slot) – HTML5 (Desktop and Mobile)
Test item code	G012
Test item release	Revision: 2.2.0
Test item payout	97.038%
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
	N.A.	26/02/2016	N.A.

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 Quinel M Ltd	Telephone number +356 2713 1412
	Address Luxe Pavilion, Level 2, Portomaso Complex	
	Postal code and city STJ4010 St. Julians, Malta	CVR-/SE-no. N.A.
	Contact person/E-mail address Matteo Ferrarini, matteo@quinel.com.mt	
	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 Matteo Ferrarini	Telephone number +39 0521 627301
	Address Via Prampolini, 28	

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
b2b6842a284bb3a437685e5ec9fa290e89ffd685	No	UI	G012 - Fruit warp	assets.zip
22bb7269cd12f9c7298ea876475428f9a7b68391	No	UI	G012 - Fruit warp	libs.zip
d93488cc0c37cb62daa152d0b08dd94ed64be1d8	No	UI	G012 - Fruit warp	app.css
beb53291e9604ac46b293c5bdc7ed22a3d7a9d5a	No	UI	G012 - Fruit warp	buildInformation.json
e665f257a8f39cd1943b59ce204176bba37e2dc6	No	UI	G012 - Fruit warp	common_code.js
a7b2b34f57f79d6cdca44d54355f3f4dcc80dc93	No	UI	G012 - Fruit warp	common_code_phaser.js
4e40f8f6f55d67e00ee0aa06551636af8c13ce7	No	UI	G012 - Fruit warp	commons.js
4b0f897f2aa90f4c903198e28f7b7ad1ee1df1fe	No	UI	G012 - Fruit warp	game.js
89495980942777febfd5748966360f4af063e35a	No	UI	G012 - Fruit warp	game_gui_html.js
293e06f1619a71df623aebc5fac4c8a6ee45397	No	UI	G012 - Fruit warp	preloader.js
b51bae92817329cb379d65a11db610784501bd3c	No	UI	G012 - Fruit warp	preloader_manifest.js
6ee41014a055a5f3f4fb53a56560468a611d9e7a	No	UI	G012 - Fruit warp	require_config.js
56025ee7de0d8af96c9ede1c82b2c5e44c7bde9c	No	UI	G012 - Fruit warp	slots_vanilla_phaser.js
da7bb98a4bac394e5d0f9615a7a2d74662b44177	No	UI	G012 - Fruit warp	tsconfig.json

**Server side components**

<i>SHA1</i>	<i>Critical</i>	<i>Type (Game)</i>	<i>Test item</i>	<i>Filename</i>
b6e531e6b3802a30e09301e94a083bc560e84dbe	Yes	Configuration	G012 - Fruit warp	game.slot.vanilla.fruittime
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
3d705e32de839b9c07d40e2900c97ad7f3dbbcab	Yes	Game logic	G012 - Fruit warp	thunderkick-game-vanilla-fruittime.jar
70ce382579a322c4416a589def9903de5a54374f	Yes	RNG (*)	All	thunderkick-rng.jar
b6e531e6b3802a30e09301e94a083bc560e84dbe	Yes	Configuration	G012 - Fruit warp	game.slot.vanilla.fruittime

**END OF  
COMPLIANCE  
REPORT**