

Spillemyndigheden's Certification Programme

Testing Standards for Land-based Casino

SCP.01.05.EN.1.0

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1 Objectives of the testing standards

The testing standards for land-based casino are set out to ensure that the gambling functionality of the gambling system operates in a suitable manner. The presentation of gambling functionality towards the customer can be distorted if the functionality does not operate in a manner that is true to what the customer can rightly expect. Therefore the gambling system's gambling functionality shall be tested to ensure that it operates in a manner consistent with what is being presented to the customer.

1.1 Scope of this document

This document contains the requirements specifying how testing organisations obtain accreditation for conducting certification of the gambling system, business processes and business systems of the licence holder as well as instructions on how to conduct the certification. The requirements concerning accreditation of the testing organisation and certification of the licence holder can be found in section 2 "certification".

The casinos slot machines and roulette wheels shall be tested to ensure that they are random. With regards to slots machines there are also requirements regarding 'return to player' thresholds that must be met. Finally, there is a number of requirements regarding jackpots and the management hereof. These tests are described in section 3 "Requirements for the testing of gambling functionality".

1.2 Version

Spillemyndigheden will continuously revise the certification programme and the latest version will at all times be accessible at Spillemyndigheden's website.

Date	Version	Description
2018.01.01	1.0	First version of testing standards for land-based casino

Spillemyndigheden will publish guidelines regarding the validation of existing certifications together with previously performed inspections and tests, when new versions of the certification programme is released.

It is important to emphasise that only the Danish version is legally binding and that the English version holds the status of guidance only.

1.3 Applicability

Testing standards for land-based casino are applicable for offering of:

- Land-based casino (§ 14 in the Danish Gambling Act)

2 Certification

2.1 Certification frequency

2.1.1 Slot machines and jackpots

The license holder is responsible to ensure that individual slot machines and attached jackpots are certified within a period of maximum 5 years.

When a slot machine is put up or if significant changes are made to the slot machine, it shall be approved by an onsite inspection conducted by a testing organisation. A slot machine must not be in use before an onsite inspection has been concluded.

2.1.2 Roulette wheel

The license holder is responsible to ensure that individual roulette wheels are certified within a period of maximum 2 years.

When a roulette wheel is put up or if significant changes are made to the roulette wheel, it shall be approved by an onsite inspection conducted by a testing organisation. A roulette wheel must not be in use before an onsite inspection has been concluded.

2.1.3 Renewed certification

A renewal of the certification may be based on sampling, spot checks and compliance with the requirements set out in the document "SCP.06.00.DK - Change Management Programme". The certification shall clearly state whether this method has been used.

2.1.4 Transitional scheme

Slot machines and jackpots, which are already approved by onsite inspection and proper documentation is held, does not need immediate renewal of certification in accordance with this certification programme, but can await recertification until 5 years from the last approval.

Roulette wheels, which are already approved by onsite inspection and proper documentation is held, does not need immediate renewal of certification in accordance with this certification programme, but can await recertification until 2 years from the last approval.

2.2 Accredited testing organisations

Testing organisations shall attain ISO/IEC 17020 accreditation and/or ISO/IEC 17025 accreditation based on the criteria described in the following sections. The scope of the accreditation shall be extended to include 'Spillemyndigheden's certification programme – SCP.01.05.DK.1.0'.

The accreditation will be undertaken by DANAK, the Danish Accreditation Fund, or a similar accreditation body being covered by the multilateral agreement on reciprocal recognition of the European Co-operation for Accreditation or a member of the International Laboratory Accreditation Cooperation.

To ensure that the necessary qualifications are in place during the certification the testing organisation and their staff shall fulfil the following requirements. Documentation that the requirements are fulfilled shall be enclosed with the certification.

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2.2.1 Requirements for accredited testing organisations

The accrediting testing organisation:

- a) Shall have at least three years' experience in testing gambling systems or a similar closely related subject area,
- b) Shall work on the basis of the ISO/IEC 17020 accreditation and/or ISO/IEC 17025 accreditation, which refers to the requirements of SCP.01.05.DK.1.0, and
- c) Shall ensure that staff with sufficient qualifications will carry through the certification.

2.2.2 Requirements for personnel at the accredited testing organisations

The certification shall be carried out by staff with sufficient qualifications cf. sections 2.2.1 above. Work done in relation to the certification shall be supervised and the declaration of certification shall be attested by one or more persons who warrant(s) that the work has been carried out to adequate professional standards. These persons shall meet the following requirements:

- a) For the testing of the Random Number Generator the supervisor shall have a relevant master's or PhD degree or in other ways be able to prove relevant qualifications,
- b) For the testing of other gambling functions the supervisor shall have a relevant educational background or in other ways be able to prove relevant qualifications, and
- c) The supervisor referred to in a) or b) above shall have five years of professional experience in testing gambling systems or a similar closely related subject area.

Guidance: Testing, supervision and attestation can be carried out by staff who in conjunction fulfil the requirements.

3 Requirements for the testing of gambling functionality

3.1 Roulette wheels

3.1.1 General requirements

1	There shall be an equal chance to hit individual numbers on a roulette wheel.
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3.2 Slot machines

3.2.1 General requirements

1	The slot machines pay-out shall correspond with the pay table. Guidance: This does not preclude 'mystery jackpots'.
2	The slot machines return to player shall not be lower than 80 percent. Guidance: The tests shall be conducted on an adequate amount of output, which the testing organization deems necessary for a statistically valid result.

3.2.2 Jackpots

1	Jackpots shall not be included in the declared return to player percentage for the slot machine,
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	see 3.2.1.2.
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