



Random Number Generator Certificate

Operator: InterLogic (Alderney) Ltd.

URL: www.logicempire.com

This is to certify that [iTech Labs](http://www.itechlabs.com) have evaluated the Random Number Generator (RNG) used for Backgammon and Billiard games in Skillempire gaming system, and found that the RNG complies with the relevant Alderney Gambling Control Commission requirements.

The RNG use a widely recognized algorithm to generate random numbers. The numbers generated by this RNG have passed Marsaglia's "diehard" tests for statistical randomness.

iTech Labs have also evaluated the scaling of the numbers for the following:

- Dice randomness for Backgammon games;
- Ball randomness for 8 ball and 9 ball Billiards games;
- Floating point randomness (quantized to 1000 steps) for cue ball positions and cue angles.

Dice tests were conducted on samples ranging from 10,000 to 100,000 dice throws for a total of about 8 million dice numbers. Ball tests for 8 ball Billiard game were conducted on samples ranging from 10,000 to 100,000 sets of 15 balls for a total of about 8 million sets. Ball tests for 9 ball Billiard game were conducted on samples ranging from 10,000 to 100,000 sets of 9 balls for a total of about 8 million sets. The scaling tests for floating point randomness (quantized to 1000 steps) for cue ball positions and cue angles were conducted for about 8 million sets of random floating point numbers quantized to 1000 steps.

iTech Labs have found that the sequences for dice numbers, ball numbers, cue ball positions and cue ball angles were unpredictable and non-repeatable.

The certified code for the RNG has been fingerprinted.

Click here to view the [Original](#) Tech Labs Certificate.

Signed:

A handwritten signature in black ink, appearing to read "G. Nicoll".

Geoff Nicoll
Principal Consultant
[iTech Labs Australia](http://www.itechlabs.com)

Date: August 29, 2007

* A high level description of iTech Labs Technical Standards is available at
http://www.itechlabs.com.au/gaming/iTech_Labs_IGS_Standards.pdf

Disclaimer.

While it is not possible to test all possible scenarios in a laboratory environment, iTech Labs have conducted a level of testing appropriate for a component test of this type.