



REF: CERT2011.0068

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## **CERTIFICATION OF EVALUATION**

**for**

## **RANDOM NUMBER GENERATOR & ASSOCIATED COMPONENTS**

(Selective component evaluation)

### Random number generator

The random number generator (RNG), scaling, and mapping algorithms used to generate results for online casino game are components of Gaming Technology Solutions plc (GTS) EdGE gaming server hosted by Unibet International Ltd at BMIT data centre in Malta. The GTS EdGE RNG is used for the generation of random numbers as applied to all gaming titles as hosted on the GTS EdGE server, including all third-party (VS Gaming (GTS), Gaming Portals Ltd (Cryptologic), Blue Print Ent, Genesis Gaming, Bell Fruit Grp Ltd, and Wagerworks) supplied games integrated on the GTS EdGE server. The RNG and related components have been evaluated by Gaming Associates for compliance with technical standards for highly regulated jurisdictions.

The evaluation comprising statistical testing and code inspection found that:

- ♠ the RNG generated results which were uniformly distributed and statistically independent; and
- ♠ the scaled data for generating results of online casino games was fair and not predictable.

The GTS EdGE RNG software, being used by Unibet, has been fingerprinted to enable on-going verification that the RNG in use is identical to the RNG evaluated.

The current validity of this certificate may be verified by viewing the original at:

[http://www.gamingassociates.com/certificate/2011-0068\\_Unibet\\_GTS\\_EdGE\\_RNG.pdf](http://www.gamingassociates.com/certificate/2011-0068_Unibet_GTS_EdGE_RNG.pdf)

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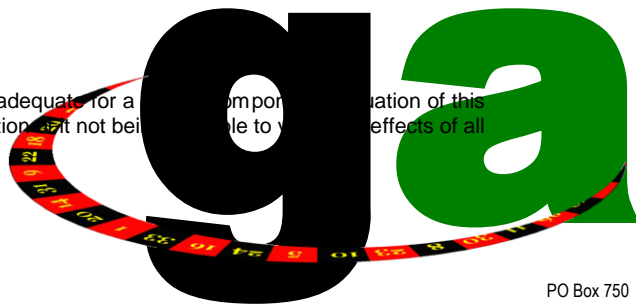
2011-08-02

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Gaming Associates has conducted a level of evaluation, which has historically been adequate for a comparison of this type. However, inherent in testing in laboratory environment is the unavoidable limitation of not being able to verify effects of all possible configurations that occur at the actual site.



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