



07 October 2009

Mr. Konstantin Zubarev
Managing Director
Connective Games, LLC
Nahimova St. 13/1 – 308
Tomsk, Russia, 634034

Dear Mr. Zubarev,

Re: TST Certification of Connective Games' RNG

This Certification Letter pertains to Technical Systems Testing (TST)'s compliance evaluation and resultant certification of the Connective Games, LLC (Connective Games) software-based Random Number Generator (RNG), for use within highly-regulated jurisdictions.

TST's evaluation of the Connective Games RNG was performed with the aim of identifying and detailing system weaknesses and potential issues of non-compliance with applicable requirements from the following set of appointed standards and specifications:

- Connective Games' technical specifications for their RNG, and
- Generally-accepted industry standards for highly-regulated jurisdictions.

Accordingly, the scope of work for the evaluation of the Connective Games RNG included (but was not necessarily limited to) the following implementation and design elements:

- **General RNG Analysis,**
 - Submitted Documentation Review,
 - Source Code Read,
 - Theoretical Mathematics Analysis,
 - Assessment of the RNG Period,
 - Determination of the RNG Range,
 - Investigation of the Seeding / Re-seeding,
 - Inspection of the Background Cycling / Activity;
- **Data Acquisition,**
- **DIEHARD Battery of Tests,** and
- **Final Outcome Distribution Tests.**

TST successfully completed the evaluation of the Connective Games RNG on 07 October 2009, with two Compliance Reports (CRs) issued (**#11062001** and **#11062002**). Both CRs were successfully resolved and closed through a collaborative effort between TST and Connective Games.

For version control purposes, TST gathered Message Digest Five (MD5) checksums of the relevant submitted source code files for the Connective Games RNG, as shown in the table below:

File Name	MD5 Checksum	Effective Date
Deck.java	7adc8ee56b7a257a9644a81bd6410b90	29 September 2009
HoldemDeckSettings.java	2ae15a4b415459bbb66ba267de16018d	29 September 2009
Suit.java	424b67e42c65610be5897af564d0b08d	29 September 2009
Value.java	921813efb22dee50466f67b15282ff7a	29 September 2009
cards/Deck.java	2a1cae0f3e064073bf6df9382c95532b	29 September 2009
cards/PlayingCard.java	9f589772bd14bb7780b1c87dafaa8ebd	29 September 2009
cards/Poker32DeckSettings.java	140385cf3aa72e33b6ed2d3b9d92f1f4	29 September 2009
cards/Suit.java	0b8e11fdd605695357eaeae5d3003967	29 September 2009
cards/Value.java	1ba901d43ff4c2b8ab82620c0c3cc408	29 September 2009
Poker32CardDrawGame.java	8cae119cc7d2984459fbabe0fc71ed94	29 September 2009
Rng.java	55c353d8130f4cf7e1bf85e0075876c7	29 September 2009

TST has verified, through mathematical and statistical analysis, that the Connective Games RNG distributes numbers with sufficient non-predictably, fair distribution and lack of bias to particular outcomes. TST's Final Outcome Distribution Tests were performed using confidence intervals between 95% and 98%, which are documented intervals of confidence for such statistical analysis.

The evaluation has shown that the Connective Games RNG produces a statistically acceptable source of random numbers for the following Poker games / applications:


Mathematical Degrees of Freedom (DOFs)	Associated Games / Applications
31	32 Card Draw
51	Texas Hold'em
	Omaha
	7 Stud
	Americana

Subject to 1) the inherent limitations of laboratory compliance testing, and 2) any specific limitations stemming from the scope of work as listed above, it is TST's position that the Connective Games RNG complies with the appointed requirements. Accordingly, TST recommends the approval of the Connective Games RNG, for use within highly-regulated jurisdictions.

TST's testing was performed using Version 14.3 of the Connective Games RNG software. The evaluation was therefore based on specific information and materials (including, but not necessarily limited to software, configurations, source code, documentation and general correspondence), as submitted to TST throughout the duration of the project.

For verification purposes, TST has maintained a control version (or the means of verifying the control version) of all information and materials submitted to TST during the evaluation.

Yours sincerely,



Mr. Noah Turner
 Chief Technical Officer (CTO)
TECHNICAL SYSTEMS TESTING (TST)