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**Issuing Laboratory:** GLI Test Labs Canada ULC  
(dba Technical System Testing (TST), A GLI Company)

**Evaluating Laboratory:** GLI Test Labs Canada ULC  
(dba Technical System Testing (TST), A GLI Company)

**Report Recipient:** Real Time Gaming (RTG)  
Hastings International B.V  
New Haven Office Center  
Emancipatie Boulevard 31  
P.O. Box 6052  
Curacao, Dutch Caribbean

**Jurisdiction:** N/A

**Technical Standard for Testing:** **GLI-19: Interactive Gaming Systems (Suppliers),**  
Version 1.0, 31 May 2011.

**Software Supplier:** Hastings International B.V  
New Haven Office Center  
Emancipatie Boulevard 31  
P.O. Box 6052  
Curacao, Dutch Caribbean

**Submitting Party:** Hastings International B.V  
New Haven Office Center  
Emancipatie Boulevard 31  
P.O. Box 6052  
Curacao, Dutch Caribbean

**Product Tested:** Random Number Generator v1.0.0.2

**Evaluation Period:** 02 November 2011 to 05 December 2011

**File Number:** RN-120-HAI-11-01

**Testing Result:** Subject to the Conditions of Evaluation (page 3):  
**Recommended for Approval**

**Report Sections:**

- Software Product Details
- RNG Evaluation
- Conditions of Evaluation
- Terms and Conditions

## Software Product Details

TST tested the Hastings International B.V (Hastings) Random Number Generator (RNG) version 1.0.0.2 for use by Real Time Gaming (RTG) to be used with standard poker games.

For version-control of Hasting's RNG v1.0.0.2, TST gathered Message Digest Five (MD5) and Secure Hash Algorithm One (SHA-1) checksums of the following software files:

File Name	MD5 Checksum	SHA-1 Checksum
RNG.dll	FEA6223F2002D8C3DA6E27A54ADF1A60	F184C6F1D9EA36491ADDA383FA8166FF44061653

## RNG Evaluation

TST has previously performed a Core RNG Evaluation for the Hastings RNG (TST project reference number 10878) on 12 February 2009 for one sample Degree of Freedom (DOF) (i.e. DOF=51). TST's current Core RNG Evaluation was performed to confirm that the Hastings RNG has not changed since the previous evaluation and that it complies with the appointed Technical Standards.

Accordingly, TST's RNG Evaluation included (but was not necessarily be limited to) the following elements:

- Submitted Documentation Review (Check for Changes), and
- Source Code Comparison.

## General RNG Analysis

The RNG submitted for testing is a software-based pseudo-RNG. TST has verified the RNG's period is sufficiently large and covers all possible outcomes for the games / applications to which it is connected.

The RNG algorithm requires a seed value to produce a random number. TST has verified that the method of initial seed generation and re-seeding implemented in the Hastings RNG complies with the appointed Technical Standard, and is considered to be acceptable.

The RNG implements background cycling / activity at an acceptable level, and complies with the appointed Technical Standard.

## Conditions of Evaluation

TST's compliance evaluation of the Hastings RNG is subject to the following limitations:

- The recipient, by its acceptance of this report or analysis, will be deemed to have acknowledged and agreed to all of the "terms and conditions" set forth below. If the recipient does not agree to all of such terms and conditions, TST withdraws the certification provided or analysis established by this report and the recipient must immediately return to TST all copies of this report and make no reference to this report for any purpose at any time.
- TST's compliance evaluation of the Hastings RNG was related only to the technical scope of work elements discussed herein. This specifically excludes any other features or functions provided by the submission not related to these elements.
- All testing results are based on information and materials submitted by Hastings to TST throughout the duration of the project. There are inherent limitations to performing compliance testing within a laboratory environment, and within a finite time period. As a result of these limitations, anticipating all possible configurations, scenarios and events which could potentially occur in the live environment was not feasible.
- TST generated the checksums of the software and source code files using the methods stated below:

GLI Verify® - Verification Procedure for Files or Directories:

1. Open GLI Verify®.
2. Select the 'File' or 'Directory' radio button option.
3. Select the 'Browse' button and then choose the file or the top directory for which a signature is being requested.
4. Click the "Verify" button.
5. The current file/directory being checked will be displayed in the window.
6. The program will generate a CDCK, SHA-1 and MD5 signature and display the results in the centre window.

GLI Verify® v5.1 is an application developed by **Gaming Laboratories International, LLC** (GLI) to generate CDCK, SHA-1 and MD5 signatures on files, folders, DVD, CD and Compact Flash media. GLI Verify® v5.1 can be downloaded from GLI's website at [www.gaminglabs.com](http://www.gaminglabs.com).

Or contact GLI Compliance at:  
1-888-GLI-REGS (454-7347) or  
E-Mail at [compliance@gaminglabs.com](mailto:compliance@gaminglabs.com).

Subject to the limitations outlined in the **Conditions of Evaluation**, it is TST's position that the evaluated elements of the Hastings RNG comply with the requirements of the applicable Technical Standard.

If you should have any questions regarding this information, please feel free to contact our office.

Sincerely,



Ms. Mavis Chan  
Quality Assurance Administrator  
**TECHNICAL SYSTEMS TESTING (TST)**  
**A GLI COMPANY**

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If you should have any questions regarding this information, please feel free to contact our office.

Sincerely,

**GLI TEST LABS CANADA ULC**