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Executive Summary Report to Tain Malta Limited
TAIN RNG Compliance Test

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Executive Summary

This report summarises our assessment of TAIN's Random Number Generator (RNG).

The scope of testing involved the RNG algorithm only. TAIN provided source code and a test harness for empirical testing. The containing platform was not supplied.


The RNG has been assessed for compliance with the applicable sections of the Malta Lotteries and Gaming Authority's (LGA) Subsidiary Legislation 438.04: Remote Gaming Regulations (Legal Notice 176 of 2004, as amended by Legal Notices 110 of 2006, 270 and 426 of 2007, and 90 of 2011). Our assessment methods included statistical analysis of the RNG outputs and source code review.

In order to assess the suitability of the RNG for the purpose of supplying data to games, data for the following degrees of freedom were generated:

- 0 - 36 (for Roulette games)
- 0 - 47 (for slot game outcomes)
- 0 - 80 (for slot game outcomes)
- 0 - 51 and shuffles of a 52 card deck

The RNG outputs were determined to be acceptably random, unpredictable (even with full knowledge of the system) and not reproducible.

No issues are raised, and the RNG is deemed suitable for use in the jurisdiction of Malta.

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