



Gaming Associates

Compliance Certificate

Random Number Generator (RNG)

Certificate Reference – PSN-RO-250210-01-RC-C1

Compliance Status – Compliant

Date of Certification – 10-02-2025

Manufacturer	Playson Limited (Playson) Valletta Buildings, Second Floor, Suite 7 South Street Valletta, VLT 1137, Malta, VAT Number: MT21865409
Testing Laboratory	Gaming Associates Europe Ltd www.gamingassociates.com • 178 Merton High Street, London SW19 1AY, United Kingdom • Office 7, 82 London Road, Leicester, LE2 0QR, United Kingdom • Hamngatan 27 101 33 Stockholm, Sweden
Jurisdiction	Oficiul Național pentru Jocuri de Noroc, România
Certification criteria:	Government Decision No. 93/2016 for the approval of mandatory provisions for the certification and auditing of remote gambling systems, No. 111/2016 for the approval of the Methodological Norms for the implementation of Government Emergency Ordinance No. 77/2009 on the organisation and operation of gambling games and for the modification and completion of Government Decision No. 298/2013 regarding the organisation and functioning of the National Gambling Office, amending Government Decision No. 870/2009 approving the Methodological Norms for the application of Government Emergency Ordinance No. 77/2009 and repealing Government Decision No. 870/2009 on the organisation and operation of gambling, according to the provisions stipulated in art. 140 (2), as well as Annex 7, Chapter II, 6, on the theoretical Return to Player (RTP) and the Random Number Generator (RNG).

	Emergency Ordinance No. 82/2023 of October 5, 2023 for the amendment and completion of Government Emergency Ordinance no. 77/2009 regarding the organization and operation of gambling
Date of Testing	22-01-2025 to 31-01-2025
Test Supervisor	Aftab Rizvi
Assessor	Moona Siddiqui

Description of the Change or Correction in Certification

This is the annual re-certification report for previously certified RNG, "PSN-RO-231103-01-RC-C1", released on November 3rd, 2023.

Test Summary

Product Details – Random Number Generator (RNG)	
Mode	pRNG (Pseudo-random number generator)
RNG Description	Playson Limited RNG implementation OpenSSL 1.1.1f library to generate cryptographically secure random numbers. The OpenSSL RAND_bytes method, being a cryptographically secure PRNG, does not have a fixed "period" in the traditional sense as typical pseudorandom number generators do. Instead, its behavior is based on the underlying cryptographic algorithms and entropy sources. The interval used in the implementation is [0, 4294967295]. Reseeding is part of the implementation, and it is done every 5 minutes. Background cycling is always ON and running.
Statistical tests performed:	The random numbers generated by this pRNG passed the "diehard" Marsaglia tests on statistical randomization. The random number generator (RNG), scaling, and mapping algorithms used to determine the results for casino games are an integral part of Playson's online gaming software. pRNG and its components were evaluated according to the requirements of the National Gambling Office, Romania

Product Fingerprint

Critical Component	Version	Description	SHA-1 Hashes
liblibxplatform-prng.so	1.0.0	Compiled C++ implementation of Playson software RNG.	SHA-1 ab4967421686e5a162b354b3cc26e8ec4e98ecb2 SHA-256 573500c4cbb2b4f42d66ba2725c93c0088d15ebd613c7de950a674b3ee62eaf5

Conclusions and Recommendations

Subject to the scope of testing and based on testing performed by **ga** for client's RNG provided, has formed an opinion that the assessed pRNG conforms with best practice certification criteria accepted in high-level jurisdictions.

Aftab Rizvi

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10-02-2025