

# RNG Certification SOP

**Company Name:** Codelekh Solutions Pvt Ltd  
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## **1. Objective**

This Standard Operating Procedure (SOP) defines the process followed by Codelekh Solutions Pvt Ltd for testing and certifying Random Number Generators (RNG) used in applications such as online gaming, lotteries, and secure systems.

## **2. Scope**

This SOP applies to all RNG systems submitted to Codelekh Solutions Pvt Ltd for evaluation. The process ensures that RNG outputs are unbiased, statistically sound, and repeatably verifiable.

## **3. Certification Process**

The RNG certification involves the following steps:

1. 1. Client submits RNG software/output sample along with metadata.
2. 2. Our lab performs the following standard statistical tests:
  - Frequency (Monobit) Test
  - Runs Test
  - NIST Statistical Test Suite (if applicable)
3. 3. Results are documented in a Test Report Format.
4. 4. If RNG passes, a signed certificate is issued along with a QR-verifiable link.

## **4. Tools & Standards**

We use Python-based toolkits, NIST STS utilities, and internally developed scripts to validate RNGs against industry standards.

## **5. Independence Declaration**

We certify RNGs developed by third-parties only. We do not certify any RNG software we create or modify. Our review process is impartial and technically verified.

**6. Verification Mechanism**

Each certificate includes a unique ID and QR code which can be validated via our portal (<https://rng.codelekh.com/verify.php>).

**7. Record Keeping**

All certification reports and RNG sample outputs are archived digitally for a minimum of 1 years.

Signed,

**CODELEKH SOLUTION PVT. LTD.**



**Director**

SAPIYAR SARKAR  
Director,  
Codelekh Solutions Pvt Ltd