

SQE · QueSAFE

# QueHackathon

## Validation & Transparency Guidelines

Version 1.0 · Effective Date: 5/1/2026 · Competition Closes: August 31, 2026

**IMPORTANT:** All participants must read, understand, and agree to these Guidelines before registering for the contest or submitting any challenge entry. Participation in any aspect of QueHackathon constitutes full acceptance of these terms.

## 1. Overview & Purpose

QueHackathon is a hardware based security challenge organized by QueSAFE, powered by SQE, designed to stress-test the QueRNG device through real-world developer and security researcher engagement.

SQE is a quantum-secure cybersecurity company building the infrastructure to eliminate encryption key vulnerabilities, the root cause of most enterprise breaches. QueSAFE is SQE's hardware security entity, delivering that same keyless architecture in physical devices built for developers, enterprises, and critical infrastructure. QueSAFE developed QueRNG as the first device in their suite of products, and QueHackathon is your chance to put it to the test.

### 1.1 What is QueRNG?

QueRNG is a photonic quantum random number generator combined with SQE's simulated superposition, that produces high-quality random bits using a combination of classical and quantum processes. Each device:

- Generates random bits at up to 1 Mbps via USB connection
- Meets or Exceeds all NIST entropy benchmarks
- Carries a permanent, non-replicable 1,024-bit SQid hardware identity rooted in the chip
- Refreshes its entropy seed on every power cycle

## 1.2 Purpose of These Guidelines

These Guidelines exist to ensure:

- All competition activity is conducted with integrity and transparency
- Participant submissions are evaluated fairly and consistently
- Token rewards are distributed to legitimate, verifiable contributors
- The grand prize self-retrieval mechanism is clearly understood
- Participant rights and SQE's rights are clearly defined

## 2. Eligibility

- QueHackathon is open to individuals worldwide, subject to applicable local laws and laws of the United States.
- Participants must be 18 years of age or older at the time of entry.
- Must include a LinkedIn Profile and clear picture.
- Employees, contractors, and immediate family members of SQE and QueSAFE are not eligible to participate in token incentive challenges or the grand prize.
- Participation is void where prohibited by law. It is the participant's sole responsibility to verify that participation is lawful in their jurisdiction.
- Upon registering for the QueHackathon and approval by SQE, participants automatically become eligible for the grand prize challenge.
- Token incentive challenges require separate submission via the official submission form at the QueHackathon website.

## 3. Challenge Structure & Prize Summary

QueHackathon consists of two distinct challenge tracks:

### 3.1 Grand Prize — Encrypted Wallet Challenge

Prize Value
Approximately \$10,000 USD denominated in ETH

An encrypted wallet address is embedded in every packet transmitted by the QueRNG device. The grand prize operates as follows:

- The wallet address is encrypted using SQE's quantum-secure architecture and changes with every packet transmission
- The self-retrieval mechanism is intentional and by design, successful decryption is self-proving.
- The prize is available to all QueRNG purchasers simultaneously.

- SQE will not provide hints, partial solutions, or technical assistance toward decryption

**Note on Prize Value:** The approximate \$10,000 USD value is denominated in ETH. The actual USD value at the time of retrieval will depend on prevailing ETH market conditions. SQE makes no guarantee regarding the USD value of ETH at any point in time.

### 3.2 Token Incentive Challenges

Three separate token incentive challenge categories are available. Each awards 10 SQbits (see Section 5) to the first 10 valid submissions per category.

Category	What You Must Demonstrate	Limit
<b>NIST Entropy Benchmarking</b>	Test QueRNG outputs against NIST entropy benchmarks or other relevant standards (DIEHARD, TestU01, etc.) and submit a detailed report with methodology, tools, and results.	First 10 submissions (Reward: 40 Tokens)
<b>RNG Integration</b>	Integrate QueRNG's quantum-level entropy into an app, wallet, secure protocol, or real-world application. Submit a write-up with provable evidence of integration and functionality.	First 10 submissions (Reward 30 Tokens)
<b>Hardware Attack Analysis</b>	Demonstrate that QueRNG is not susceptible to physical hardware tampering or invasive probing attacks. Provide a rigorous technical write-up with provable evidence of your methodology and findings.	First 10 submissions (Reward 20 Tokens)

## 4. Submission Requirements

### 4.1 How to Submit

All token incentive challenge submissions must be made via the official submission form on the QueHackathon website. The grand prize requires no submission — successful wallet decryption and retrieval is self-evidencing.

### 4.2 Required Submission Components

Every token incentive submission must include all of the following:

- Full legal name and valid email address
- Challenge category selection
- Provable evidence of the claimed result (see Section 4.3)
- Agreement checkbox confirming acceptance of these Guidelines

### 4.3 Standards for Provable Evidence

Submissions without adequate provable evidence will not be considered. Evidence standards by category:

- **RNG Integration:** Source code repository (GitHub or equivalent), live deployment link or video demonstration, and documentation of integration methodology
- **Hardware Attack Analysis:** Provide a technical write-up with provable evidence of your methodology and findings.
- **NIST Benchmarking:** Complete test suite output files, statistical results for all applicable NIST SP 800-22 tests (or equivalent), testing environment specification

### 4.4 Submission Deadlines

- All token incentive challenge submissions must be received by August 1, 2026 at 11:59 PM EST
- Submissions received after this deadline will not be considered regardless of circumstances
- SQE strongly recommends submitting well in advance of the deadline to allow for confirmation of receipt.

### 4.5 Multiple Submissions

- A single participant may submit entries across multiple challenge categories
- Each category has an independent limit, earning a token in one category does not affect eligibility in another
- Multiple submissions within the same category from one participant are permitted, but only the highest-quality submission will be considered

## 5. SQbits, QueSeeds & Token Distribution

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### 5.1 What are SQbits and QueSeeds?

SQbit is a native utility digital currency of SQE's platform. It is based on the POTE (Proof of Time Entanglement) evolutionary methodology. SQbit is evolved using SQE's reversible cellular automata. The evolution depends on the SQE's evolving pseudo-random time particle. When the digital time particle's criteria are met, the evolving QueSeed converts to an SQbit. The time-evolved QueSeed number must be registered on SQE's platform. A block reflecting the creation of the SQbit will be created and added to SQE's blockchain.

QueSeed is a 1024 number represented in hexadecimal notation. It is generated from a unique set of numbers called a Virgin ID (VID). VIDs are generated by independent third-party validators (MINERs) working with the SQE platform. MINERs work passively and independently to generate VIDs, create blocks for SQE's platform and secure SQE's quantum secure blockchain and network. QueSeeds evolve into SQE's Token, SQBit, over time.

## 5.2 Future Evolution

When the SQE network launches, QueSeeds evolve into SQbit redeemable for platform services or may be transferable between users or listed on third party platforms, subject to applicable laws. QueSeeds/SQbits are not eligible for return to SQE

**IMPORTANT DISCLAIMER:** QueSeeds and any future SQbits are utility tokens intended for use within the SQE platform ecosystem. They are NOT investment products, securities, financial instruments, or currency. Token value is not guaranteed. The anticipated evolution of QueSeeds into SQE Tokens is subject to successful network launch and SQE's sole discretion. QueSeeds/SQbits are not eligible for return or redemption by SQE.

## 5.3 Distribution Process

- SQbits rewards will be distributed to verified qualifying participants by end of Q4, 2026.
- SQE reserves the right to request additional documentation before distributing token rewards
- Distribution will be made to the email address associated with the participant's submission
- SQE's determination of qualifying submissions is final

## 5.4 Restrictions

- QueSeeds/SQbits are not eligible for return to SQE for cash or cash equivalents
- SQE is not obligated to purchase, redeem, or provide liquidity for QueSeeds or SQbits at any time
- Participants acknowledge that the value of QueSeeds/SQbits may be zero and may never appreciate

# 6. Validation Process

SQE and QueSAFE are committed to fair, transparent, and consistent evaluation of all submissions. The following validation process applies to all token incentive challenge entries.

## 6.1 Initial Review

All submissions will undergo an initial completeness review within 10 business days of receipt to confirm:

- All required components are present (see Section 4.2)
- The submission is for a valid challenge category
- The evidence provided meets the minimum standards for that category (see Section 4.3)

Incomplete submissions will be notified by email with an opportunity to resubmit before the competition deadline, provided the limit for that category has not been reached.

## 6.2 Technical Review

Submissions passing the initial review will proceed to technical review by SQE's engineering team:

- Technical review evaluates the accuracy, rigor, and reproducibility of findings
- Reviewers may request additional information or clarification via email
- Participants will have 5 business days to respond to clarification requests
- Technical review may take up to 30 business days from submission

## 6.3 Determination

SQE's determination on whether a submission qualifies for token reward is final and binding. Factors considered include:

- Technical accuracy and correctness of findings
- Quality and completeness of evidence provided
- Originality of work (submissions must be the participant's own original work)
- Compliance with these Guidelines

## 6.4 Transparency Commitment

SQE commits to the following transparency standards:

- Aggregate results (number of qualifying submissions per category, whether the grand prize was claimed) will be published within 60 days of competition close
- Participants will be notified of their submission status by email
- SQE reserves the right to withhold, delay, or decline to publish any bug report findings, vulnerability disclosures, or security-related submissions, in whole or in part, where SQE determines in its sole discretion that publication could compromise the security of the QueRNG device, the SQE platform, or its users. In such cases, the submitting participant will be notified of this determination, and token rewards (where applicable) will not be affected solely by the decision not to publish.
- If the competition concludes without a verified winner, SQE will release a third command function ("CMD 3") following the official close of the competition to decrypt and reveal the encrypted wallet used in the challenge. The release of CMD 3 is intended solely to provide transparency and post-competition validation of the challenge mechanics and shall not reopen, extend, or otherwise modify the competition results or prize eligibility requirements.

# 8. Registration & Future Products

Participants that register are eligible for early access to future QueSAFE products including QueModule, QuoIoT, and QueVault. Pre-registration:

- Is entirely voluntary and separate from competition participation
- Confers no guarantee of product availability, pricing, or delivery timelines
- May result in a discount code for future product launches, at SQE's discretion
- Involves providing an email address subject to SQE's Privacy Policy

## 9. Refunds and Shipping of Devices

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- No refunds or exchanges are permitted.
- SQE is not obligated to buy back SQbits or any hardware devices provided as a result of registration for this Hackathon.
- SQE will begin shipping devices on or about June 1, 2026. Shipping timelines are estimates and not guaranteed

## 10. Intellectual Property

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- All intellectual property in the QueRNG device, its firmware, and the SQE/QueSAFE platform remains the exclusive property of SQE and QueSAFE.
- By submitting an entry, participants grant SQE a non-exclusive, royalty-free, worldwide license to reference, summarize, and publish findings (in anonymized or credited form, as agreed) for the purposes of product improvement and marketing

## 11. Prohibited Conduct

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The following conduct is strictly prohibited and will result in immediate disqualification and forfeiture of all rewards:

- Submitting work that is not the participant's own original work
- Fabricating, falsifying, or misrepresenting evidence or test results
- Attempting to interfere with, manipulate, or tamper with SQE's infrastructure, website, or backend systems
- Harassment, abuse, or threatening conduct toward SQE staff or other participants
- Any conduct that violates applicable laws or regulations

## 12. Limitation of Liability & Disclaimers

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TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW:

- SQE and QueSAFE make no warranties, express or implied, regarding the QueRNG device, its fitness for any particular purpose, or the availability of the grand prize wallet at any point in time
- SQE is not liable for any indirect, incidental, consequential, or punitive damages arising from participation in QueHackathon
- The grand prize (~\$10,000 ETH) represents the value of the wallet at the time of setup; SQE makes no guarantee regarding its value at the time of retrieval
- SQE reserves the right to modify, suspend, or terminate QueHackathon at any time with reasonable notice to participants
- These Guidelines are governed by the laws of the State of Rhode Island, without regard to conflict of law provisions

## 13. Privacy

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Personal information collected in connection with the QueHackathon contest (name, email address, submission content) will be used solely for the purpose of administering the competition, distributing rewards, and communicating with participants. SQE will not sell or share personal information with third parties except as required by law. For full details, see SQE's Privacy Policy at [sqsqe.io](https://sqsqe.io).

## 14. Contact & Questions

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For questions regarding these Guidelines, submission status, or competition administration, contact:

<b>Organization</b>	SQE / QueSAFE
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**Website:** [sqsqe.io](https://sqsqe.io)

**Email:** [contact@sqsqe.io](mailto:contact@sqsqe.io)

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