Quantum EVM: Proof-of-Coherence Consensus

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Abstract

This document introduces the concept of **Quantum-Native Consensus via Proof-of-Coherence (PoC)**. The core idea is to combine quantum random number generators (QRNG) with AI-based verification of coherence fingerprints, in order to provide verifiable physical randomness for blockchain consensus. This minimal disclosure is intended to establish prior art and secure the terminology in the public domain.

Public Claim / Disclosure

This publication serves as a public disclosure (anti-patent) of the concept of **Quantum-Native Consensus via Proof-of-Coherence (PoC)**. The description was first made publicly available in August 2025 by Andrew Kobal (AILAND Group). The purpose is to ensure the concept remains in the public domain and cannot be patented in a restrictive way.

References

[1] Pironio, S. et al. (2010). Random numbers certified by Bell’s theorem. Nature 464, 1021–1024.
[2] Herrero-Collantes, M. & Garcia-Escartin, J. C. (2017). Quantum Random Number Generators. Rev. Mod. Phys. 89, 015004.