

**QUANTUM SAFE BLOCKCHAIN CONSENSUS WITH
TEMPORAL WITNESS NETWORKS**

Application Number: [TO BE ASSIGNED] • Filing Date: September 4, 2025 • Inventor: [INVENTOR NAME]
TECHNICAL DRAWINGS AND FIGURES

FIGURE 1: QUANTUM-SAFE BLOCKCHAIN SYSTEM ARCHITECTURE

FIGURE 1: Quantum-Safe Blockchain Consensus System Architecture

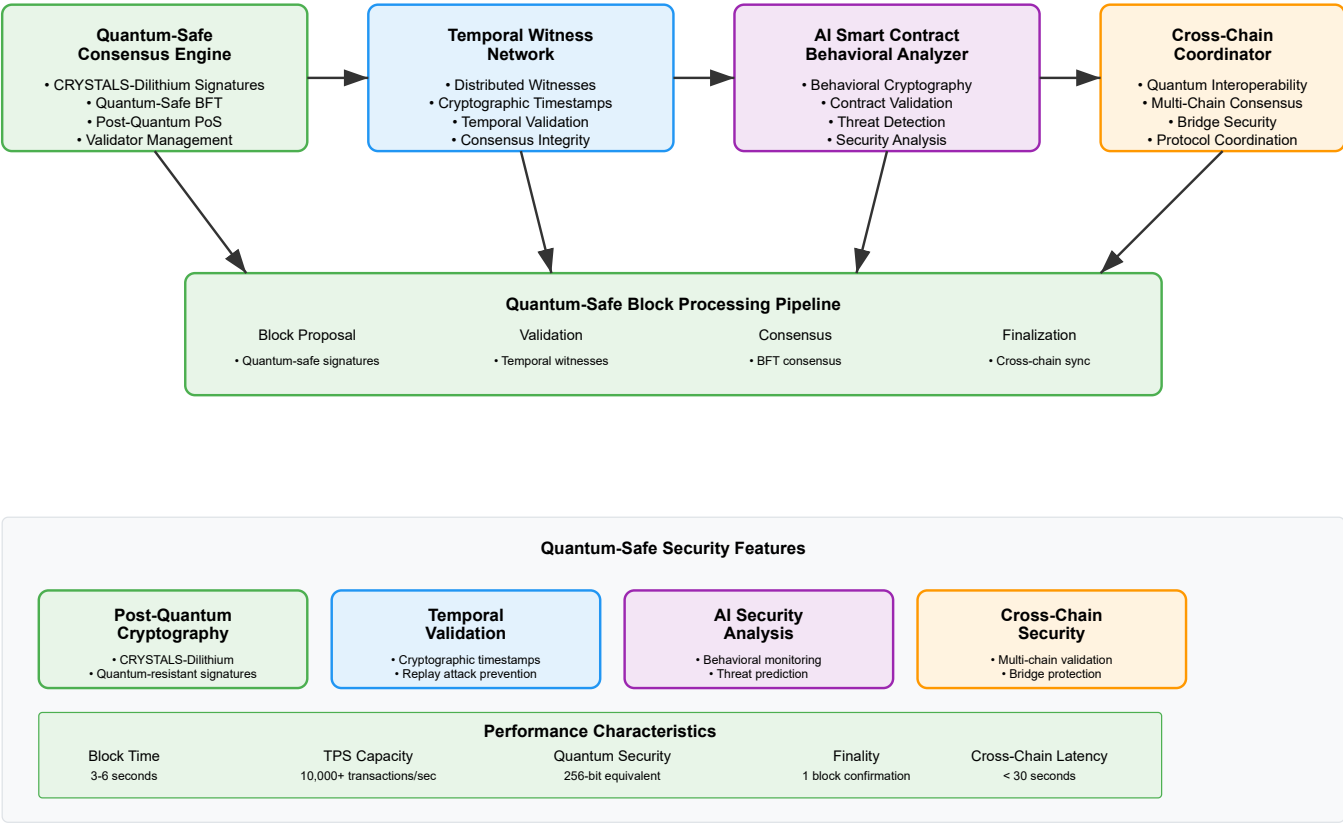


Figure 1 presents the comprehensive quantum-safe blockchain system architecture implementing temporal witness networks for distributed consensus validation. The system provides quantum-resistant security while maintaining blockchain performance and scalability.

FIGURE 2: TEMPORAL WITNESS NETWORK AND CONSENSUS VALIDATION

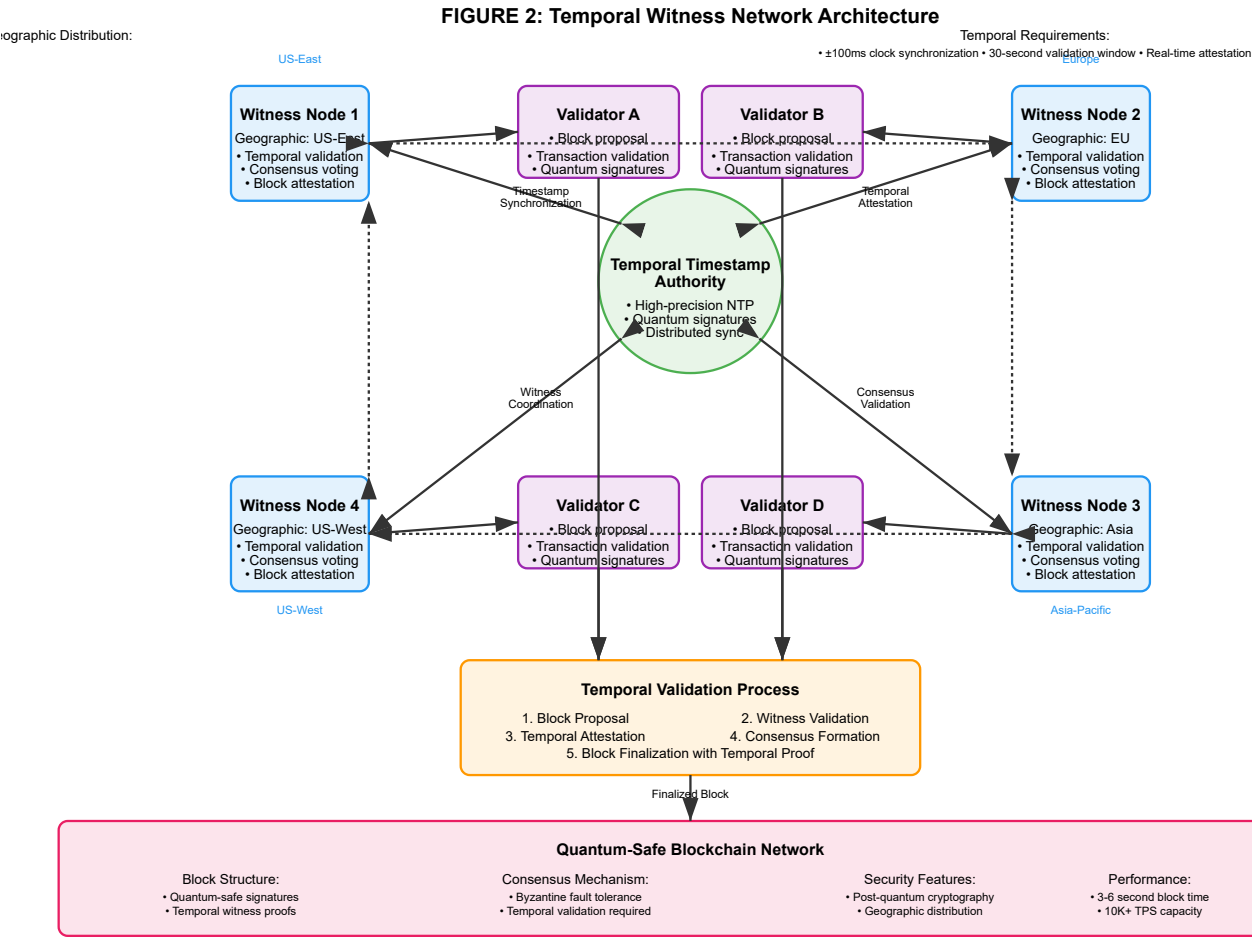


Figure 2 demonstrates the temporal witness network mechanism that provides quantum-resistant consensus validation through distributed time-based verification and cryptographic witness attestation.

FIGURE 3: AI-POWERED SMART CONTRACT SECURITY ANALYSIS

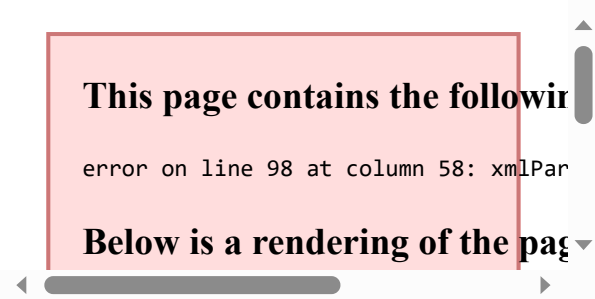


Figure 3 illustrates the advanced AI-powered smart contract security analysis system that detects quantum vulnerabilities and potential exploitation vectors in blockchain smart contracts before deployment.

FIGURE 4: QUANTUM-SAFE CROSS-CHAIN INTEROPERABILITY

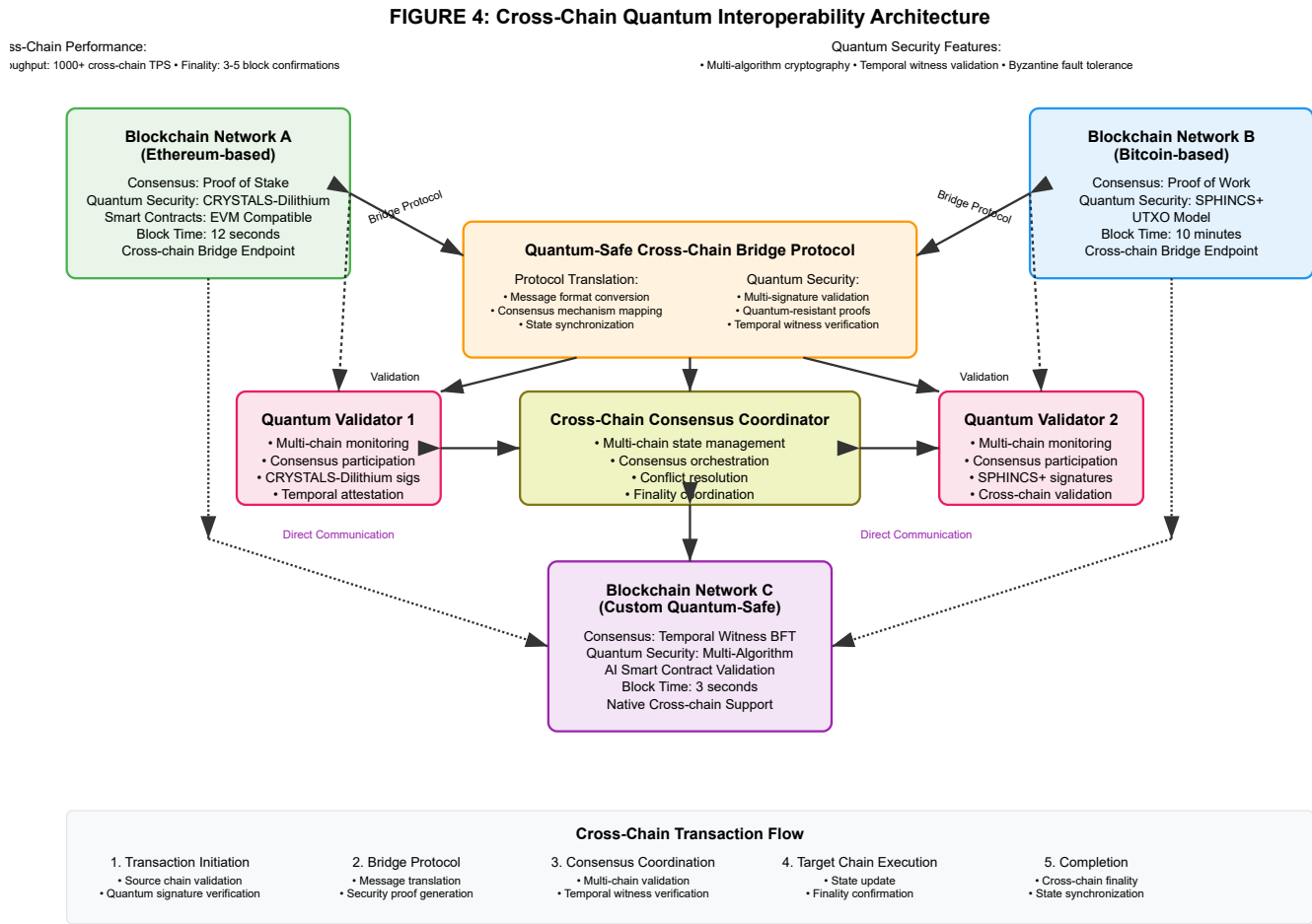


Figure 4 shows the quantum-safe cross-chain interoperability framework enabling secure communication between multiple blockchain networks while maintaining temporal witness validation across all chains.

FIGURE 5: QUANTUM-RESISTANT CONSENSUS PROCESS FLOW

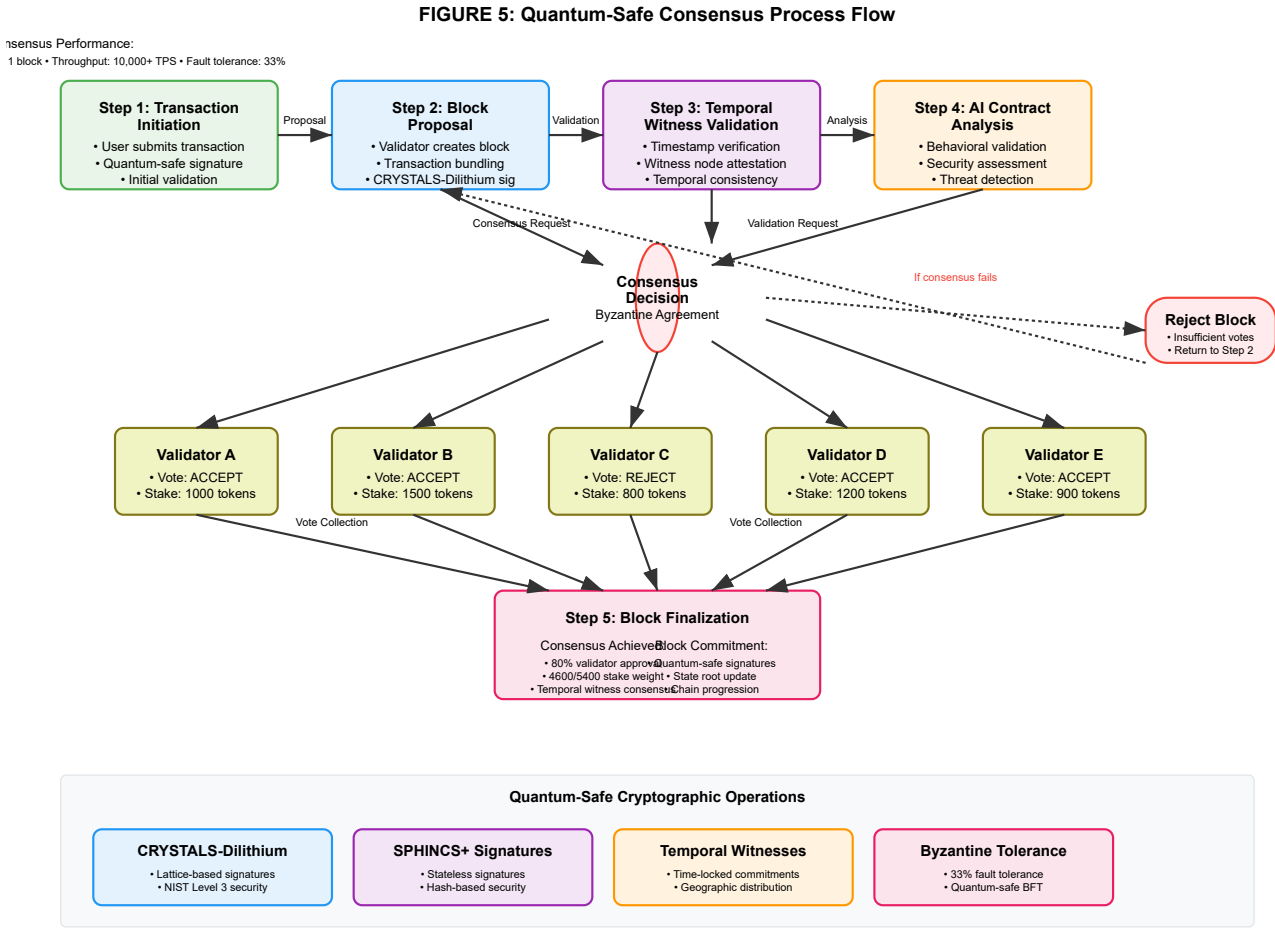


Figure 5 presents the detailed quantum-resistant consensus process flow implementing temporal witness validation, Byzantine fault tolerance, and quantum-safe cryptographic primitives for blockchain security.