

QuantumKey Tokenomics — QKEY Economic Architecture v1.0

Alignment-Driven Incentive Design for a Semantic-Intent Protocol

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Collaborative Intelligence: Quantum Hammer

Version: 1.0

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Abstract

QKEY is the native token of the QuantumKey Protocol. Its purpose is not speculation — it is an alignment asset, powering:

semantic intent validation

agent execution

staking security

governance

identity verification

public goods funding

1. Purpose of QKEY

QKEY fuels the semantic-intent infrastructure:

secures agents

anchors identity

rewards aligned behavior

enables DAO governance

supports evolution of the semantic network

2. Utility Model

2.1 Staking

Validators stake QKEY to participate in semantic execution.

2.2 Agent Execution Fees

Agents require QKEY to process semantic intents.

2.3 Governance

Voting, proposals, mediation.

2.4 Identity Verification

Higher-layer identity operations require QKEY.

2.5 Public Goods Funding

Portion of network rewards funds research, safety, and infrastructure.

3. Alignment Economy

QuantumKey implements an anti-capture incentive design, using:

dynamic staking curves

reputation-anchored governance

alignment-based slashing

public-good reinforcement cycles

4. Distribution Model

(Not numerical — conceptual foundation)

Includes:

Genesis Allocation

Validator Incentives

Treasury

Research Fund

Community Alignment Fund

5. Security

Security emerges from:

agent behavior audits

semantic consistency

identity verification

alignment-linked slashing

DAO oversight

6. Conclusion

QKEY is an alignment-first token powering the world's first semantic-intent protocol.

4. QuantumKey.DAO.v1.0 — PDF-READY

QuantumKey DAO — Alignment Governance
Constitution v1.0

Restorative, Semantic, Multi-Stakeholder Digital
Governance

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Abstract

The QuantumKey DAO is the alignment engine of the protocol.

It governs:

upgrades

ethics

safety

semantic conflict resolution

agent behavior

identity disputes

It is restorative, multi-layered, and semantically verifiable.

1. Governance Principles

Alignment over power

Restorative justice

Multi-stakeholder balance

Transparency

Safety-first execution

Semantic clarity

2. DAO Structure

2.1 Proposal Layer

Anyone may propose protocol improvements.

2.2 Review Layer

Semantic reviewers validate impact & alignment.

2.3 Voting Layer

Weighted by identity reputation & QKEY stake.

2.4 Mediation Layer

Handles disputes, misalignment events, conflicts.

2.5 Enforcement Layer

Ensures compliance with constitutional rules.

3. Proposal Flow

1. Submission

2. Semantic Framing

3. Alignment Audit

4. Multi-stakeholder Review

5. Weighted Voting

6. Execution or Rejection

4. Emergency Alignment Mode

Triggered in case of:

agent misbehavior

network-level inconsistencies

identity compromise

governance attacks

5. Restorative Justice Framework

DAO prioritizes:

reconciliation

contextual repair

proportional consequences

reintegration

6. Constitutional Invariants

Cannot be changed without:

multi-supermajority

semantic audit

alignment certification

Invariants include:

identity continuity

agent safety

semantic integrity

anti-capture mechanisms

7. Conclusion

The QuantumKey DAO forms the ethical foundation of the protocol — a governance system built not on power, but on meaning, alignment, and restorative evolution.