# ENTELEKRON

# Master Whitepaper

The Sovereign Core of Civilization

Protocol · Intelligence · Trust · Finance · Infrastructure

VERSION v3.1



INSTITUTIONAL MASTER · 5 OCTOBER 2026

Research, engineering, planned and regulatory-gated capabilities are labelled explicitly.

The Sovereign Core of Civilization

# Document Control

Canonical architecture, economics and maturity boundaries

MASTER ENGLISH 2026-10-05

## Purpose

Institutional technical and economic reference for ENTELΞKRON. It separates live, engineering, research, planned and regulatory-gated capabilities.

## Control rule

Public claims must match deployed reality. Native consensus research is not production consensus; regulated Financial Mesh functions activate only after their legal, security, partner and operational gates.

## Economic control

ENK has a 100B maximum supply. Current sale-round vesting follows the approved framework effective 30 September 2026: Strategic Anchor 15% at TGE + 85% monthly over 15 months; Standard Early Investor 10% + 90% over 18 months; Ecosystem Access and Private Sale 15% + 85% over 12 months; Public Presale 20% at TGE + 10% monthly for eight months. Strategic Partner programmes remain separately configured.

ENTELΣKRON
The Sovereign Core of Civilization

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01

ENTELΞKRON / INSTITUTIONAL MASTER

# Executive Summary

A sovereign protocol architecture built through staged, evidence-driven deployment.

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### Institutional design rule

Capability is not treated as authority. Every sensitive transition requires an identifiable control plane, evidence path, accountable operator or governed protocol rule.

### Maturity discipline

Live, engineering, research, planned and regulatory-gated components are distinguished so the document does not market future capability as present production reality.

The objective is a system that can be independently reviewed: economic terms are sourced from canonical configuration, sensitive actions are gated, and future decentralization is earned through testing rather than asserted in advance.

02

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# Sovereign Design Principles

Sovereignty without isolation: controlled interoperability, explicit authority and verifiable evidence.

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CORE MISSION

# Building the foundations of digital trust

Six interconnected capabilities designed to support future systems requiring trusted digital interactions.

### Trust

Foundational trust architecture enabling reliable digital interactions across systems and organizations.

### Identity

Digital identity and access verification designed for future enterprise and institutional integration.

### Verification

Multi-layer verification flows supporting document, credential and transaction validation.

### Integrity

Record integrity and tamper-evident proof systems for auditable digital records.

### Auditability

Transparent audit trails and monitoring interfaces designed for compliance readiness.

### Interoperability

Cross-system trust bridges enabling secure data exchange between heterogeneous platforms.

03

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# Architecture & Deployment Tracks

Ethereum settlement today, rollup engineering next, native consensus only after research gates.

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# The Digital Infrastructure Operating System

Connecting artificial intelligence, digital trust, cloud infrastructure, energy systems and physical infrastructure.

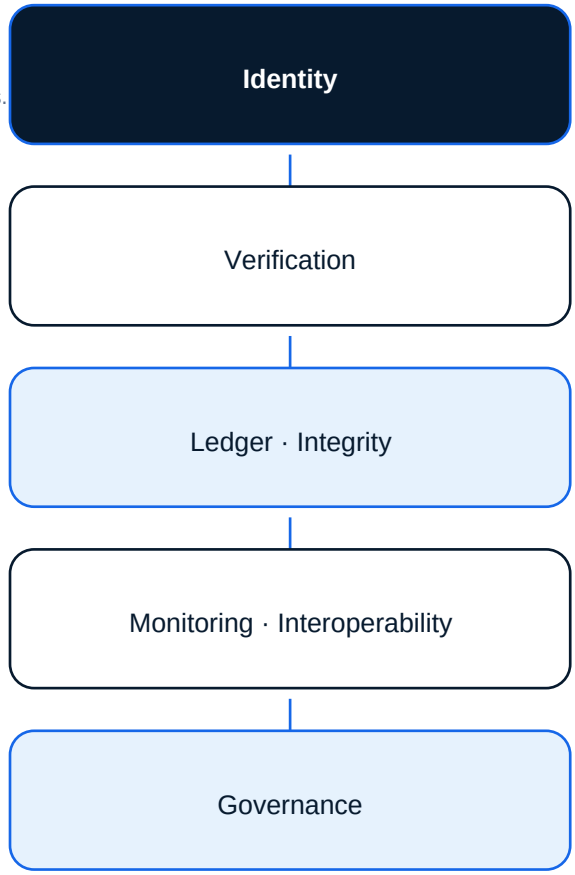
## A controlled stack for trusted digital infrastructure

The architecture separates identity, verification, ledger integrity, monitoring, interoperability and governance while allowing evidence to move between layers. Research-stage and regulated capabilities retain explicit activation boundaries.

Status: research, engineering and testnet preparation.

No mainnet-live claim is made.

Initial chain path remains conservative, secure and auditable.



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# Ecosystem Registry & Module Topology

One system, many bounded modules, with maturity status visible at the point of claim.

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T.V.K. Group
Global Partner

Strategic parent organization
Organizational context; no automatic token rights.

ECOSYSTEM REGISTRY

# Infrastructure, trust and intelligence modules

Canonical capabilities grouped by function; status and activation remain module-specific.

## Infrastructure & Trust

### EnteleSCAN

Network intelligence and verification monitoring.

### EnteleLINK

Cross-system interoperability bridge.

### EnteleLEDGER

Enterprise record verification.

### EnteleVAULT

Secure identity and credential vault.

### GraphVault

Document integrity and semantic validation.

### ChronoSEAL

Timestamping and proof-of-existence.

### TVK ID

Digital identity and access verification.

### EnteleCLOS

Digital continuity and recovery.

## AI & Intelligence

### CEREBTHRA

Cognitive intelligence architecture.

### COGNETHRA

Cognitive-ethical AI reasoning.

### SYNTHERRA

Synthetic intelligence coordination.

### SOVRA

Sovereign intelligence, reasoning and evidence coordination.

# EntelePOINT

One identity. One access point. One connected digital ecosystem.




**IDENTITY**

TVK ID · verification

**WALLETS**

EnteleWALLET · machine wallets

**PAYMENTS**

EntelePAY · commerce

**FINANCE**

Financial Mesh · gated

**AI**

SOVRA · intelligence

**INFRA**

Ledger · Scan · Link

**SECURITY**

Vault · CyberLab

**DEVELOPER**

APIs · SDKs · test access

**CONTROL BOUNDARY**

EntelePOINT is the unified technology and ecosystem-access layer. It is not itself a bank, payment institution, exchange, broker, custodian, wallet provider or licensed financial institution. Regulated services reached through the gateway remain subject to the identified provider's eligibility, compliance and contractual terms.

Source alignment: entelepoint.com · operator: TVK Labs & Technologies LTD · status labels remain product-specific.

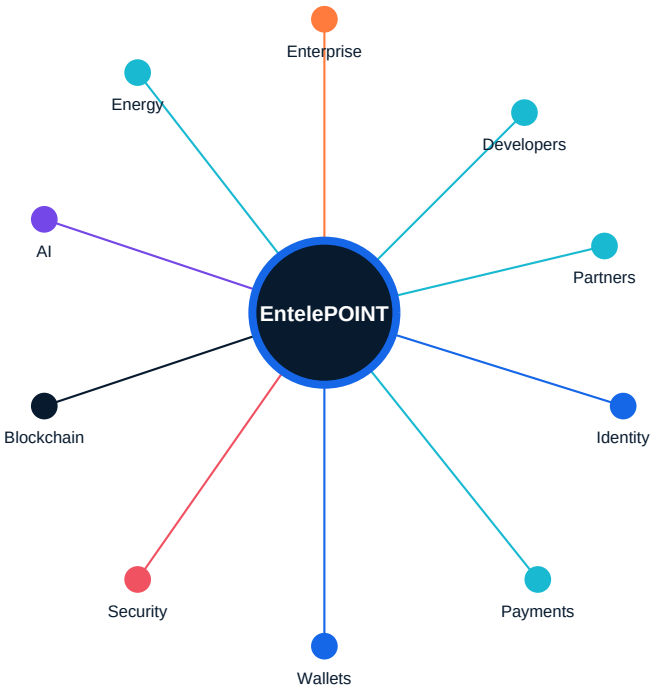
UNIFIED ECOSYSTEM ACCESS

# One Access Point for the Entire Entele Ecosystem

Identity, payments, wallets, infrastructure, intelligence, security, developer services and enterprise access.

## EntelePOINT

A single connected gateway into the Entele ecosystem.
It orchestrates access and permissions; it does not erase the legal, security or compliance boundary of the service behind it.




**ACCESS PRINCIPLE**

Individuals · Businesses · Developers · Partners · Institutions
→ EntelePOINT → Identity · Security · Permissions · Notifications → ecosystem services

Regulated functions remain provider-, jurisdiction-, eligibility- and activation-gated.

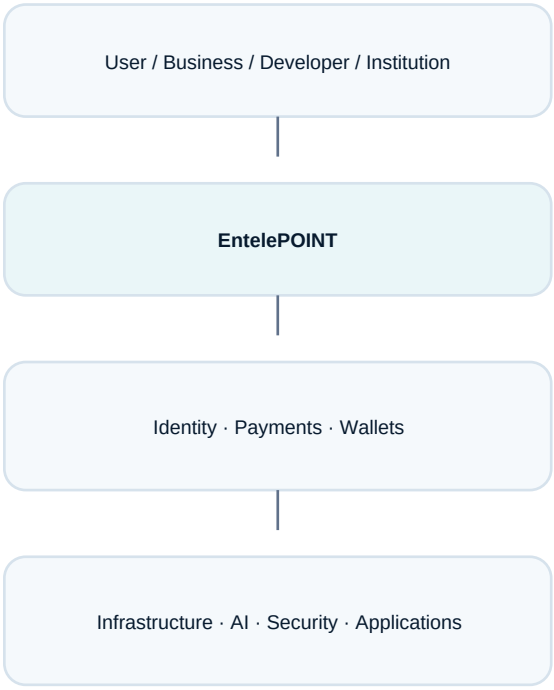
UNIFIED GATEWAY

# A connected digital infrastructure access layer

The portal brings ecosystem applications and services together without collapsing their control boundaries.

## One trusted portal, multiple controlled service domains

Discover applications, access services, connect identity, manage permissions, explore infrastructure and enter the ecosystem through a single navigation layer.




**DESIGN BOUNDARY**

EntelePOINT is the access and orchestration layer - not a substitute for the underlying product, provider or legal entity. Authentication, permissions and navigation can be unified while custody, payments, exchange, treasury and settlement retain separate security, accounting, contractual and regulatory controls.

# Global Architecture, Regional Capability

Designed for multilingual access, cross-border infrastructure and jurisdiction-aware deployment.




**REGIONAL CAPABILITY PRINCIPLE**

The architecture is globally addressable but operational capability remains jurisdiction-aware.

Where local coverage does not exist, the system must not imply availability.

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# ENK Token

Coordination and ecosystem utility asset with a fixed 100 billion maximum supply.

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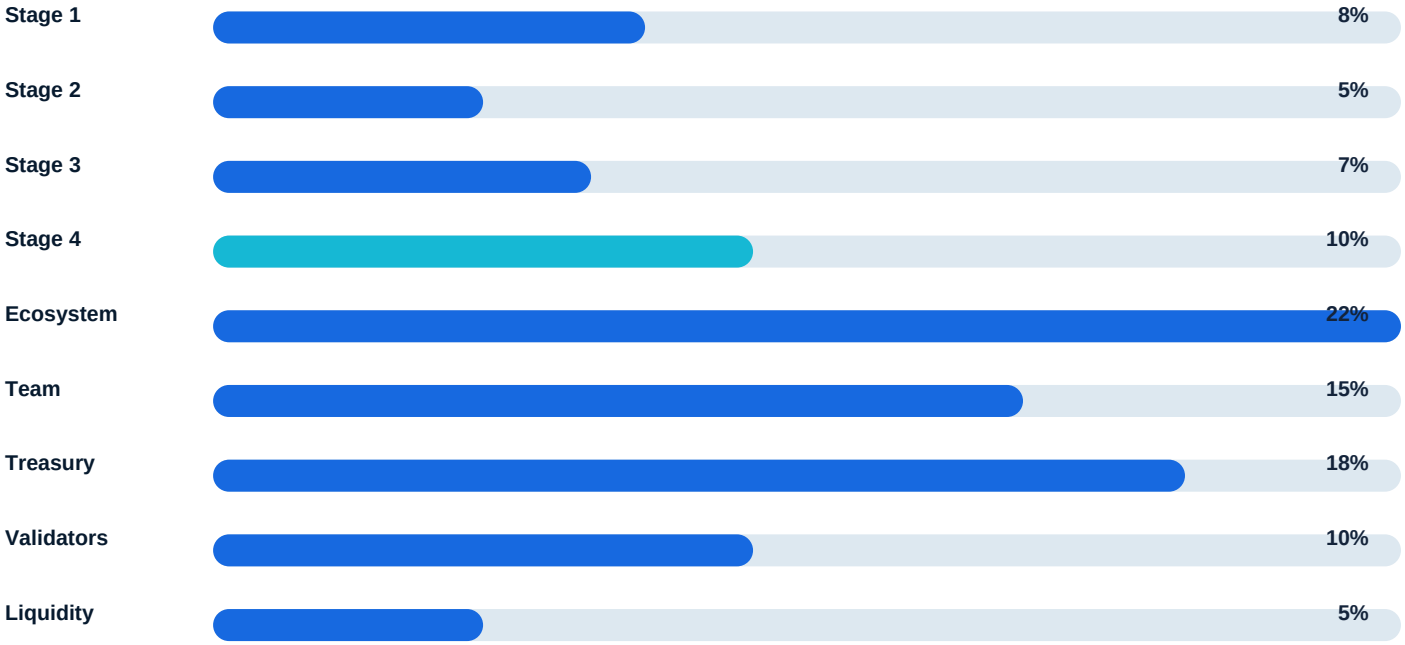
ENTELΞKRON / INSTITUTIONAL MASTER

# Tokenomics & Allocation

Allocation architecture designed around sale, ecosystem, team, treasury, validators and liquidity.

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# Four-Stage Sale Architecture

Canonical economics, eligibility and controlled payment access across four sale stages.

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Canonical economics, eligibility and controlled payment access across four sale stages.

| Stage | Price | Minimum | Bonus | Vesting |
|---|---|---|---|---|
| 1 Early Investor | $0.008 | $10,000 | 5% | 18 mo |
| 2 Ecosystem Access | $0.010 | $5,000 | 3% | 12 mo |
| 3 Private Sale | $0.012 | $2,500 | 2% | 12 mo |
| 4 Public Presale | $0.016–0.048 | $500 start | 5% | 8 mo |

Stage 4 operates from 23 September 2026 through 9 March 2027 across six sections. The public vesting clock begins at the common TGE / Distribution Activation Date, not at each purchaser's payment date.

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# Stage 4 Public Presale

Six price sections, one public-round allocation, one common TGE-based release clock.

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Six price sections, one public-round allocation, one common TGE-based release clock.




Public release: 20% at TGE, then 10% monthly for eight months. No cliff. All six sections share the same common TGE / Distribution Activation Date.

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# Strategic Partner Program

Contribution-gated preferential pricing separated from ordinary public participation.

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Contribution-gated preferential pricing separated from ordinary public participation.

### Strategic Partner

$0.0068 / ENK · minimum $100,000 · 3-month cliff · 18-month vesting. Approval, measurable contribution, compliance review and written agreement required.

### Strategic Anchor Partner

$0.0064 / ENK · minimum $250,000 · 6-month cliff · 24-month vesting. Reserved for high-value ecosystem contribution and approved strategic relationships.

These tiers are not ordinary sale stages and are not automatically available to promoters or introducers. Preferential pricing does not imply guaranteed liquidity, listing, market value or return.

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# Vesting, Unlocks & Distribution

Release controls across investor, founder, team, treasury, validator and ecosystem allocations.

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Release controls across investor, founder, team, treasury, validator and ecosystem allocations.

### Public Stage 4

20% TGE + 10% monthly for 8 months · No cliff

### Founder / Core Team

0% TGE · 18m cliff · 48m linear · Restricted

### Team

0% TGE · 12-18m cliff · 36-48m vesting · Restricted

### Advisors

0% TGE · 12-18m cliff · 36-48m vesting · Restricted

### Treasury

48–60m controlled release · Budget / milestone

### Validators

60–72m emissions target · Only after function active

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# Investor Lifecycle & Portal

Account, eligibility, KYC, allocation, payment, reconciliation and distribution as a controlled state machine.

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# KYC / AML & Sumsub

External verification technology integrated into an ENTELΞKRON-controlled participation decision workflow.

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### Verification technology — Sumsub

ENTELΞKRON's investor flow is designed to use Sumsub as the external identity-verification and compliance technology layer for KYC/AML workflows. Final eligibility and participation decisions remain with the responsible ENTELΞKRON entity.

### Control sequence

Account → consent → identity verification → screening / risk signals → ENTELΞKRON eligibility decision → allocation approval → protected payment instructions.

The architecture can incorporate identity verification, sanctions/PEP/watchlist screening, fraud controls and transaction-monitoring capabilities according to the configured programme. Provider capability does not itself establish the legal sufficiency of any jurisdiction-specific compliance programme.

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# Wallet & Machine Authority

Human, agent and robot wallet boundaries with constrained delegation and revocation.

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# Treasury, Security & Transparency

Segregated books, controlled wallets, evidence, reconciliation and public transparency.

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# SOVRA & Sovereign Intelligence

Reasoning and evidence coordination without silently converting AI output into execution authority.

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# EnergieMIND & Energy Intelligence

Energy, mining and infrastructure intelligence linked to evidence and governed economic activity.

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# Native Consensus Research Architecture

A research path, not a production claim: typed evidence, quorum, locking, recovery and accountability.

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A research path, not a production claim: typed evidence, quorum, locking, recovery and accountability.

### Quorum & QC

Validate quorum certificates and locking rules

### Round change

Deterministic progress under delay/failure

### Admission

Typed evidence and credential lifecycle

### Execution

Deterministic state-machine receipts

### Recovery

WAL, snapshot and state-sync research

### Accountability

Objective evidence for faults and equivocation

Status: RESEARCH — NOT DEPLOYED. Byzantine fault tolerance is established distributed-systems prior art. ENTELΞKRON does not claim to have invented BFT.

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# Byzantine Fault & Mutation Testing

Adversarial mutation, equivocation, replay and partition testing used to challenge safety assumptions.

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# Recovery, State Sync & Message Integrity

WAL, snapshot, replay and state-sync research for deterministic recovery.

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# Chain Evolution & Progressive Independence

A maturity ladder from Ethereum anchoring to gated sovereign execution and research-led independence.

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# Financial Mesh

Payments, card rails, exchange, quantitative intelligence, treasury, minting and TVKUSD under explicit control boundaries.

# Financial Mesh

Payments, card rails, exchange, quantitative intelligence, treasury, minting and TVKUSD under explicit control boundaries.




All Financial Mesh services are activation-gated. TVKUSD reserves/customer assets, corporate treasury, ENK ecosystem treasury and settlement liquidity remain separate legal/accounting books. EnteleQUANT produces analytics and risk intelligence; it does not bypass compliance, treasury, custody or human-authorized execution.

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# Governance, Validators & Accountability

Admission, credential lifecycle, observability, treasury controls and accountable authority.

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# Roadmap & Delivery Gates

Delivery phases from public foundation through infrastructure, intelligence, finance and mainnet readiness.

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Delivery phases from public foundation through infrastructure, intelligence, finance and mainnet readiness.

| | | |
|---|---|---|
| 1 | **Public Foundation** | Completed |
| 2 | **Investor Platform** | Completed |
| 3 | **Private Sale & Hardening** | Completed |
| 4 | **Infrastructure/Testnet** | 2026–27 |
| 5 | **Intelligence/Identity/Energy** | 2026–28 |
| 6 | **Financial Mesh** | 2026–28 |
| 7 | **Governance/Mainnet Readiness** | 2027–29 |
| 8 | **Global Expansion** | 2027–30 |

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# Compliance, Risk & Document Control

Legal, technical, market, operational and regulatory risk boundaries with controlled public claims.

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# Appendix A · Ecosystem Token Release Standard

Control reference for publication, engineering and institutional review.

| | |
|---|---|
| **ENK** | Core protocol token. Public-sale vesting follows round-specific TGE schedules; team, advisor, treasury and validator releases use longer controls. |
| **SOVRA / ENM** | Application-protocol assets remain token-specific and must publish exact release terms before activation. |
| **KRON-family** | Community-token standard may permit limited TGE liquidity with the balance released linearly under token-specific policy. |
| **TVKUSD** | Stable settlement instrument: reserve-backed issuance/redemption controls replace investor-style vesting. |
| **Credentials** | Non-transferable identity, reputation and proof credentials use issue/revoke/expire/rotate policy rather than speculative allocations. |

**CONTROL NOTE**

If marketing copy conflicts with canonical technical, economic or legal configuration, the canonical control source prevails. Revalidate this appendix before every publication release.

# Appendix B · Financial Mesh Control Matrix

Control reference for publication, engineering and institutional review.

| | |
|---|---|
| **Identity / KYC** | Identity verification and eligibility precede gated financial functions. |
| **Payments / Card** | Payment and card rails remain provider-, entity-, security- and jurisdiction-gated. |
| **Exchange / Quant** | Market access and quantitative intelligence do not bypass execution, treasury or compliance controls. |
| **Treasury / Mint** | Reserve, treasury, issuance and redemption authorities remain segregated. |
| **Settlement** | TVKUSD, customer assets, corporate treasury, ENK treasury and settlement liquidity remain separate books. |

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# Appendix C · Research Truth Boundary

Control reference for publication, engineering and institutional review.

| | |
|---|---|
| **Consensus** | Native consensus architecture is research/engineering, not a production mainnet claim. |
| **BFT testing** | Mutation corpus and fault injection are adversarial test infrastructure, not a newly invented BFT theorem. |
| **Required gates** | Real signatures, authenticated transport, multi-process testnet, durable recovery and state sync remain required. |
| **Assurance** | Formal/model analysis and independent review are required before stronger safety/liveness claims. |
| **Novelty** | Project-specific composition may be distinctive; novelty is not asserted without prior-art review. |

**CONTROL NOTE**

If marketing copy conflicts with canonical technical, economic or legal configuration, the canonical control source prevails. Revalidate this appendix before every publication release.

# Appendix D · Glossary & Status Language

Control reference for publication, engineering and institutional review.

| | |
|---|---|
| **TGE** | Distribution Activation Date - common release anchor for sale-round vesting unless a controlling agreement states otherwise. |
| **LIVE** | Production-accessible capability. |
| **ENGINEERING** | Under active implementation; not equivalent to production readiness. |
| **RESEARCH** | Experimental architecture or validation work. |
| **PLANNED** | Not operational. REGULATORY-GATED means activation depends on legal, partner and operational approvals. |

**CONTROL NOTE**

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# Appendix E · Risk Register

Control reference for publication, engineering and institutional review.

| | |
|---|---|
| **Market / Liquidity** | Digital-asset prices and liquidity can change materially; vesting does not guarantee value or exit liquidity. |
| **Technology** | Smart-contract, protocol, software, infrastructure and interoperability defects can cause loss or interruption. |
| **Custody / Cyber** | Key compromise, wallet error, fraud and cyberattack remain material risks. |
| **Regulatory / Counterparty** | Rules, service-provider availability and jurisdictional permissions may change. |
| **Execution / Adoption** | Roadmap timing, partner integration, user adoption and operational capacity may differ from plans. |

**CONTROL NOTE**

If marketing copy conflicts with canonical technical, economic or legal configuration, the canonical control source prevails. Revalidate this appendix before every publication release.

# Appendix F · Version & Change Control

Control reference for publication, engineering and institutional review.

| | |
|---|---|
| **Master designation** | This document is ENTELΞKRON Master Whitepaper - Version v3.1. |
| **Canonical economics** | Sale economics, vesting and token configuration must be regenerated from canonical repository configuration before release. |
| **Claim control** | LIVE, ENGINEERING, RESEARCH, PLANNED and REGULATORY-GATED labels must remain synchronized with implementation evidence. |
| **Visual control** | All diagrams are engineered document graphics; website screenshots are reference inputs, not embedded publication artwork. |
| **Release gate** | Every publication build requires content review, visual render review and PDF preflight before distribution. |

**CONTROL NOTE**

If marketing copy conflicts with canonical technical, economic or legal configuration, the canonical control source prevails. Revalidate this appendix before every publication release.