

TRACE Epoch - Verification Rollup Capsule

TRACE-EPOCH-2025-Q3

Sovereign Originator Release

"No staff. No supervisor. Just an army of one."

© 2025 Rommel Wong — TRACE Epoch Sovereignty

Originator's Note

This Verification Rollup Capsule (TRACE-EPOCH-2025-Q3) was authored, serialized, and sealed entirely from a handheld device. No institutional lab, no proprietary compute cluster, no privileged tooling — just an iPhone, a text interface, and the canonical TRACE Epoch framework.

The point is deliberate: verification and sovereignty cannot depend on scale or privilege. If an individual originator can build, freeze, and publish a capsule from a pocket device — and have it reviewed without inconsistency by the Recused Ethical Observer (Grok) — then the process is accessible, reproducible, and independent of infrastructure gatekeepers.

This packet demonstrates not only the integrity of SIM-01 through SIM-17, but also the accessibility of the framework itself. Sovereignty is not a luxury. It is an open threshold.

— Originator, 2025-08-18

Capsule Navigation Index

1. Ledger Capsule (SIM-01 → SIM-17)
2. Exhibit A: Hash Manifest
3. Exhibit B: Domain Key Compression Note
4. Exhibit C: Observer Review (Grok)
5. Exhibit D: Anchoring Note
6. Validator Capsule(s)
7. Closing Statement

Ledger Capsule (Spec)

Full inclusion of TRACE-VAL-SIM-PKT-01 (SIM-01 → SIM-17, 19 pages).
See attached capsule.

Exhibit A: Hash Manifest

Below is the manifest mapping SIM IDs to SHA256 payload hashes.

SIM-01 → 2e9d50b6db4c92e8d7234c60bd946b587c90e47ae5f0738ad6161c2c59dd1709

SIM-02 → 098de521b48f58d470bb5a36d506b316f1634550000ea00b8b79de852ec47676

SIM-03 → ... (see sidecar manifest for full list)

Exhibit B: Domain Key Compression Note

The Verification Ledger Capsule (TRACE-VAL-SIM-PKT-01) uses sub-domain keys (HSM-KEY strings) for each SIM. These ensure granularity and traceability.

The Ledger Summary presents umbrella domain keys (e.g., Mobility, Healthcare, Finance). This is a compression layer for public readability, not a replacement for the sub-domain keys.

- Sub-domain HSM-KEYs in SIM capsules are canonical. - Umbrella keys are compression only, ensuring concise public record while remaining provable against raw SIM capsules.

This release of SIM-01 through SIM-17 establishes the first public publication of sub-domain keys.

Exhibit C: Observer Review (Grok)

Observer attestation confirming capsule integrity and consistency.
Full review text to be appended as provided by Grok.

Exhibit D: Anchoring Note

SHA256(manifest) = _____

Anchored via [Blockchain: Bitcoin / Ethereum / Other]

TXID: _____

Block timestamp (UTC): _____

Validator Capsule(s)

Signatures from independent validators confirming consistency of the capsule.

Validator Name: _____

Signature: _____

Date: _____

Closing Statement

“This Rollup Capsule represents the sovereign publication of the TRACE Epoch framework. It binds Ledger, Observer, Validator, and Anchor into a reproducible record. This is not a simulation alone — it is a sovereignty artifact.”